

# CATALOGUE ALARMES ANTI-INTRUSION

Standard : +226 25652835  
GSM: +22670245169  
WhatsApp +22678885761

[contact@elecprotech.com](mailto:contact@elecprotech.com)  
[elecprotech@gmail.com](mailto:elecprotech@gmail.com)  
[www.elecprotech.com](http://www.elecprotech.com)



**ahuva**  
TECHNOLOGY



# PRODUITS

## SANS FILS



# **CONTROLEURS** SANS FILS

# DHI-ARC3000H-FW2(868)

## Alarm hub



- Supports 150 wireless peripherals (6 sirens, 64 wireless keyfobs).
- Peripherals status display (signal strength, battery level, temperature, program version).
- Wired, Wi-Fi, 4G, 3G or GPRS network connection.
- Dual SIM and Single Standby.
- Automatic network replenishment (ANR).
- Video linkage on App.
- Frequency hopping function and two-way communication technology ensure communication stability.
- Cloud update and automatic recovery from update failure.

### System Overview

An all new industrial design and advanced technological system, makes the new generation of wireless alarm products easier to install, look better, communicate more reliably and perform more stably. From the comfort of the mobile apps DMSS (for end users) and COS Pro (for installers), receive notifications in real-time, control and manage your devices, perform remote operations, and more.

### Scene

Mainly applied for villas, shops, apartments, etc.

### Technical Specification

#### Input/Output

|               |                                                                  |
|---------------|------------------------------------------------------------------|
| Wireless Zone | 150-channel wireless peripherals (6 sirens, 64 wireless keyfobs) |
|---------------|------------------------------------------------------------------|

#### Port

|                 |                                                                                                                        |
|-----------------|------------------------------------------------------------------------------------------------------------------------|
| Network Port    | 1 × RJ-45 10 M/100 M Ethernet port                                                                                     |
| Network Mode    | Single SIM (GSM:900/1800MHz, WCDMA:B1/B5/B8, LTE-FDD:B1/B3/B5/B7/B8/B20, LTE-TDD:B38/B40/B41); dual SIM single standby |
| Storage Battery | Built-in lithium battery                                                                                               |
| Indicator Light | 1 for multiple statuses (alarm, arming, disarming, networking, and malfunction)                                        |
| Button          | 1 × reset, 1 × power, 1 × AP                                                                                           |
| Buzzer          | Built-in                                                                                                               |

#### Function

|               |                             |
|---------------|-----------------------------|
| Tamper Alarm  | Yes                         |
| SMS           | Yes (up to 5 phone numbers) |
| Calling Alarm | Yes (up to 5 phone numbers) |
| Video Linkage | Yes                         |

|                                                    |                                                                                          |
|----------------------------------------------------|------------------------------------------------------------------------------------------|
| Network Protocol                                   | TCP/IP, including PPTP, L2TP, DHCP, UPNP, and NTP                                        |
| Remote Upgrade                                     | Cloud update                                                                             |
| Arm and Disarm                                     | App; keyfob; schedule                                                                    |
| Power Failure Protection for Configured Parameters | Yes                                                                                      |
| User Management                                    | Share function for App users                                                             |
| Cache                                              | Max. 50 entries (ANR)                                                                    |
| Low Battery Alarm                                  | Yes                                                                                      |
| Search                                             | Search for push messages, device status, and program version, and detect signal strength |

#### Wireless

|                         |                                              |
|-------------------------|----------------------------------------------|
| Carrier Frequency       | 868.0 MHz–868.6 MHz                          |
| Communication Distance  | Up to 2,000 m (6,561.68 ft) in an open space |
| Communication Mechanism | Two-way                                      |
| Encryption Mode         | AES128                                       |
| Wi-Fi                   | 2.4G                                         |
| Frequency Hopping       | Yes                                          |

#### General

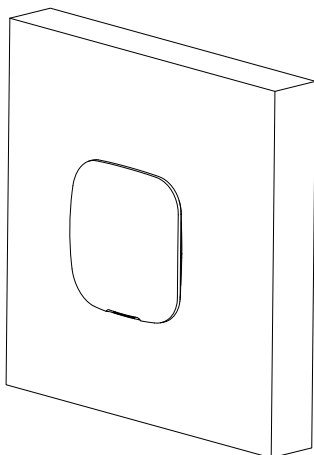
|                       |                                                                   |
|-----------------------|-------------------------------------------------------------------|
| Power Supply          | 12 V DC, 1.5 A (Europe, UK and USA power adapters are optional)   |
| Operating Temperature | –10 °C to +50 °C (+14 °F to +122 °F) (indoor)                     |
| Operating Humidity    | 10%–90% (RH)                                                      |
| Product Dimensions    | 163.0 mm × 163.0 mm × 32.0 mm (6.42" × 6.42" × 1.26") (L × W × H) |
| Packaging Dimensions  | 219.0 mm × 187.0 mm × 91.0 mm (8.62" × 7.36" × 3.58") (L × W × H) |
| Installation          | Wall mount; Desktop                                               |
| Net Weight            | 0.38 kg (0.84 lb)                                                 |

|                |                                      |
|----------------|--------------------------------------|
| Gross Weight   | 0.8 kg (1.76 lb)                     |
| Certifications | CE                                   |
| Casing         | PC + ABS                             |
| Battery Life   | Storage battery standby for 12 hours |

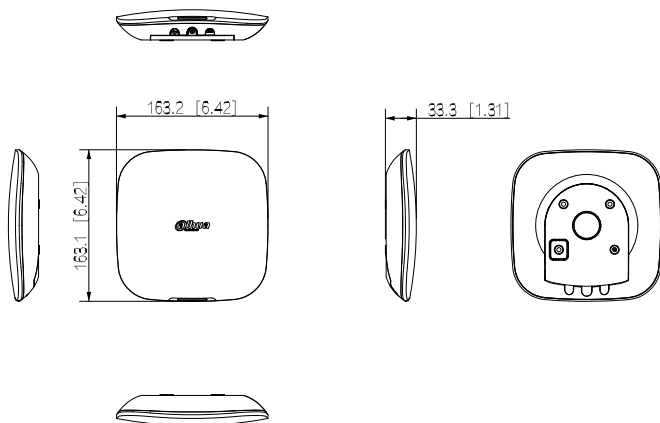
## Ordering Information

| Type      | Model                 | Description    |
|-----------|-----------------------|----------------|
| Alarm hub | DHI-ARC3000H-FW2(868) | Alarm hub (4G) |

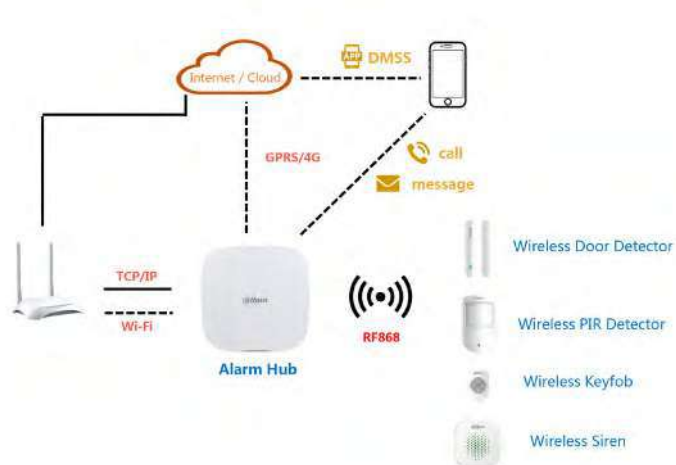
## Installation



## Dimensions (mm[inch])



## Application



# DHI-ARC3000H-FW2

## Alarm hub



- Supports 150 wireless peripherals (6 sirens, 64 wireless keyfobs).
- Peripherals status display (signal strength, battery level, temperature, program version).
- Wired, Wi-Fi, 4G, 3G or GPRS network connection.
- Dual SIM and Single Standby.
- Automatic network replenishment (ANR).
- Video linkage on App.
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- Cloud update and automatic recovery from update failure.

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### Scene

Mainly applied for villas, shops, apartments, etc.

### Technical Specification

#### Input/Output

|               |                                                                  |
|---------------|------------------------------------------------------------------|
| Wireless Zone | 150-channel wireless peripherals (6 sirens, 64 wireless keyfobs) |
|---------------|------------------------------------------------------------------|

#### Port

|                 |                                                                                                                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network Port    | 1 × RJ-45 10 M/100 M Ethernet port                                                                                                                                                                                         |
| Network Mode    | Europe: GSM:900/1800 MHz, WCDMA:B1/B5/B8, LTE-FDD:B1/B3/B5/B7/B8/B20, LTE-TDD:B38/B40/B41;<br>USA: GSM:850/900/1800/1900 MHz, WCDMA:B1/B2/B5/B8, LTE-FDD:B1/B2/B3/B4/B5/B7/B8/B28, LTE-TDD:B40;<br>Dual SIM single standby |
| Storage Battery | Built-in lithium battery                                                                                                                                                                                                   |
| Indicator Light | 1 for multiple statuses (alarm, arming, disarming, networking, and malfunction)                                                                                                                                            |
| Button          | 1 × reset, 1 × power, 1 × AP                                                                                                                                                                                               |
| Buzzer          | Built-in                                                                                                                                                                                                                   |

#### Function

|              |                             |
|--------------|-----------------------------|
| Tamper Alarm | Yes                         |
| SMS          | Yes (up to 5 phone numbers) |

|                                                    |                                                                                          |
|----------------------------------------------------|------------------------------------------------------------------------------------------|
| Calling Alarm                                      | Yes (up to 5 phone numbers)                                                              |
| Video Linkage                                      | Yes                                                                                      |
| Network Protocol                                   | TCP/IP, including PPTP, L2TP, DHCP, UPNP, and NTP                                        |
| Remote Upgrade                                     | Cloud update                                                                             |
| Arm and Disarm                                     | App; keyfob; schedule                                                                    |
| Power Failure Protection for Configured Parameters | Yes                                                                                      |
| User Management                                    | Share function for App users                                                             |
| Cache                                              | Max. 50 entries (ANR)                                                                    |
| Low Battery Alarm                                  | Yes                                                                                      |
| Search                                             | Search for push messages, device status, and program version, and detect signal strength |

#### Wireless

|                         |                                              |
|-------------------------|----------------------------------------------|
| Carrier Frequency       | 433.1 MHz–434.6 MHz                          |
| Communication Distance  | Up to 1,200 m (3,937.01 ft) in an open space |
| Communication Mechanism | Two-way                                      |
| Encryption Mode         | AES128                                       |
| Wi-Fi                   | 2.4G                                         |
| Frequency Hopping       | Yes                                          |

#### General

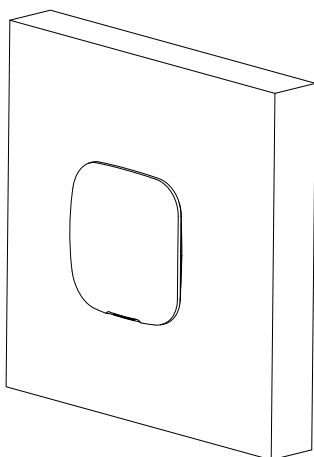
|                       |                                                                   |
|-----------------------|-------------------------------------------------------------------|
| Power Supply          | 12 V DC, 1.5 A (Europe, UK and USA power adapters are optional)   |
| Operating Temperature | −10 °C to +50 °C (+14 °F to +122 °F) (indoor)                     |
| Operating Humidity    | 10%–90% (RH)                                                      |
| Product Dimensions    | 163.0 mm × 163.0 mm × 32.0 mm (6.42" × 6.42" × 1.26") (L × W × H) |
| Packaging Dimensions  | 219.0 mm × 187.0 mm × 91.0 mm (8.62" × 7.36" × 3.58") (L × W × H) |

|                |                                      |
|----------------|--------------------------------------|
| Installation   | Wall mount; Desktop                  |
| Net Weight     | 0.38 kg (0.84 lb)                    |
| Gross Weight   | 0.8 kg (1.76 lb)                     |
| Certifications | CE                                   |
| Casing         | PC + ABS                             |
| Battery Life   | Storage battery standby for 12 hours |

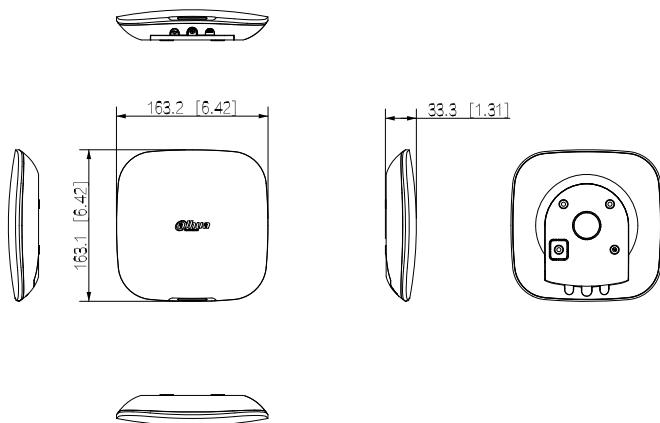
## Ordering Information

| Type      | Model            | Description    |
|-----------|------------------|----------------|
| Alarm hub | DHI-ARC3000H-FW2 | Alarm hub (4G) |

## Installation



## Dimensions (mm[inch])



## Application



# DHI-ARC3000H-GW2(868)

## Alarm hub



- Supports 150 wireless peripherals (6 sirens, 64 wireless keyfobs).
- Peripherals status display (signal strength, battery level, temperature, program version).
- Wired, Wi-Fi or GPRS network connection.
- Dual SIM and Single Standby.
- Automatic network replenishment (ANR).
- Video linkage on App.
- Frequency hopping function and two-way communication technology ensure communication stability.
- Cloud update and automatic recovery from update failure.

### System Overview

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### Scene

Mainly applied for villas, shops, apartments, etc.

### Technical Specification

#### Input/Output

|               |                                                                  |
|---------------|------------------------------------------------------------------|
| Wireless Zone | 150-channel wireless peripherals (6 sirens, 64 wireless keyfobs) |
|---------------|------------------------------------------------------------------|

#### Port

|                 |                                                                                 |
|-----------------|---------------------------------------------------------------------------------|
| Network Port    | 1 × RJ-45 10 M/100 M Ethernet port                                              |
| Network Mode    | Single SIM 2G (GSM:B3/B8); dual SIM single standby                              |
| Storage Battery | Built-in lithium battery                                                        |
| Indicator Light | 1 for multiple statuses (alarm, arming, disarming, networking, and malfunction) |
| Button          | 1 × reset, 1 × power, 1 × AP                                                    |
| Buzzer          | Built-in                                                                        |

#### Function

|                  |                                                   |
|------------------|---------------------------------------------------|
| Tamper Alarm     | Yes                                               |
| SMS              | Yes (up to 5 phone numbers)                       |
| Calling Alarm    | Yes (up to 5 phone numbers)                       |
| Video Linkage    | Yes                                               |
| Network Protocol | TCP/IP, including PPTP, L2TP, DHCP, UPNP, and NTP |

|                                                    |                                                                                          |
|----------------------------------------------------|------------------------------------------------------------------------------------------|
| Remote Upgrade                                     | Cloud update                                                                             |
| Arm and Disarm                                     | App; keyfob; schedule                                                                    |
| Power Failure Protection for Configured Parameters | Yes                                                                                      |
| User Management                                    | Share function for App users                                                             |
| Cache                                              | Max. 50 entries (ANR)                                                                    |
| Low Battery Alarm                                  | Yes                                                                                      |
| Search                                             | Search for push messages, device status, and program version, and detect signal strength |

#### Wireless

|                         |                                              |
|-------------------------|----------------------------------------------|
| Carrier Frequency       | 868.0 MHz–868.6 MHz                          |
| Communication Distance  | Up to 2,000 m (6,561.68 ft) in an open space |
| Communication Mechanism | Two-way                                      |
| Encryption Mode         | AES128                                       |
| Wi-Fi                   | 2.4G                                         |
| Frequency Hopping       | Yes                                          |

#### General

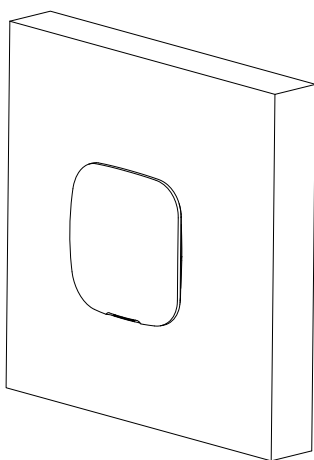
|                       |                                                                   |
|-----------------------|-------------------------------------------------------------------|
| Power Supply          | 12 V DC, 1.5 A (Europe, UK and USA power adapters are optional)   |
| Operating Temperature | –10 °C to +50 °C (+14 °F to +122 °F) (indoor)                     |
| Operating Humidity    | 10%–90% (RH)                                                      |
| Product Dimensions    | 163.0 mm × 163.0 mm × 32.0 mm (6.42" × 6.42" × 1.26") (L × W × H) |
| Packaging Dimensions  | 219.0 mm × 187.0 mm × 91.0 mm (8.62" × 7.36" × 3.58") (L × W × H) |
| Installation          | Wall mount; Desktop                                               |
| Net Weight            | 0.38 kg (0.84 lb)                                                 |
| Gross Weight          | 0.8 kg (1.76 lb)                                                  |

|                |                                      |
|----------------|--------------------------------------|
| Certifications | CE                                   |
| Casing         | PC + ABS                             |
| Battery Life   | Storage battery standby for 12 hours |

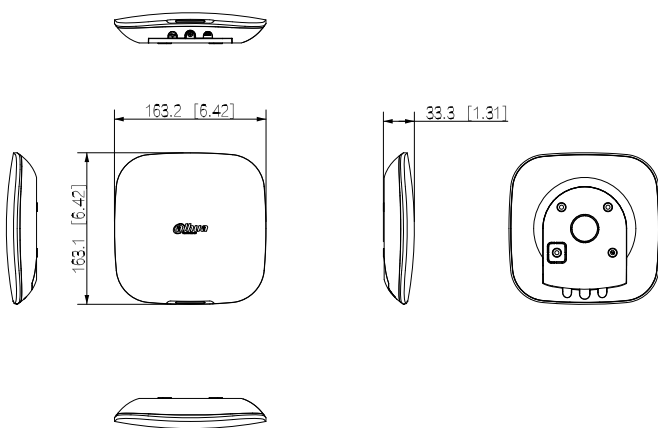
## Ordering Information

| Type      | Model                 | Description    |
|-----------|-----------------------|----------------|
| Alarm hub | DHI-ARC3000H-GW2(868) | Alarm hub (2G) |

## Installation



## Dimensions (mm[inch])



## Application



# DHI-ARC3000H-GW2

## Alarm hub



- Supports 150 wireless peripherals (6 sirens, 64 wireless keyfobs).
- Peripherals status display (signal strength, battery level, temperature, program version).
- Wired, Wi-Fi or GPRS network connection.
- Dual SIM and Single Standby.
- Automatic network replenishment (ANR).
- Video linkage on App.
- Frequency hopping function and two-way communication technology ensure communication stability.
- Cloud update and automatic recovery from update failure.

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### Scene

Mainly applied for villas, shops, apartments, etc.

### Technical Specification

#### Input/Output

|               |                                                                  |
|---------------|------------------------------------------------------------------|
| Wireless Zone | 150-channel wireless peripherals (6 sirens, 64 wireless keyfobs) |
|---------------|------------------------------------------------------------------|

#### Port

|                 |                                                                                 |
|-----------------|---------------------------------------------------------------------------------|
| Network Port    | 1 × RJ-45 10 M/100 M Ethernet port                                              |
| Network Mode    | Single SIM 2G (GSM:B3/B8); dual SIM single standby                              |
| Storage Battery | Built-in lithium battery                                                        |
| Indicator Light | 1 for multiple statuses (alarm, arming, disarming, networking, and malfunction) |
| Button          | 1 × reset, 1 × power, 1 × AP                                                    |
| Buzzer          | Built-in                                                                        |

#### Function

|                  |                                                   |
|------------------|---------------------------------------------------|
| Tamper Alarm     | Yes                                               |
| SMS              | Yes (up to 5 phone numbers)                       |
| Calling Alarm    | Yes (up to 5 phone numbers)                       |
| Video Linkage    | Yes                                               |
| Network Protocol | TCP/IP, including PPTP, L2TP, DHCP, UPNP, and NTP |

|                                                    |                                                                                          |
|----------------------------------------------------|------------------------------------------------------------------------------------------|
| Remote Upgrade                                     | Cloud update                                                                             |
| Arm and Disarm                                     | App; keyfob; schedule                                                                    |
| Power Failure Protection for Configured Parameters | Yes                                                                                      |
| User Management                                    | Share function for App users                                                             |
| Cache                                              | Max. 50 entries (ANR)                                                                    |
| Low Battery Alarm                                  | Yes                                                                                      |
| Search                                             | Search for push messages, device status, and program version, and detect signal strength |

#### Wireless

|                         |                                              |
|-------------------------|----------------------------------------------|
| Carrier Frequency       | 433.1 MHz–434.6 MHz                          |
| Communication Distance  | Up to 1,200 m (3,937.01 ft) in an open space |
| Communication Mechanism | Two-way                                      |
| Encryption Mode         | AES128                                       |
| Wi-Fi                   | 2.4G                                         |
| Frequency Hopping       | Yes                                          |

#### General

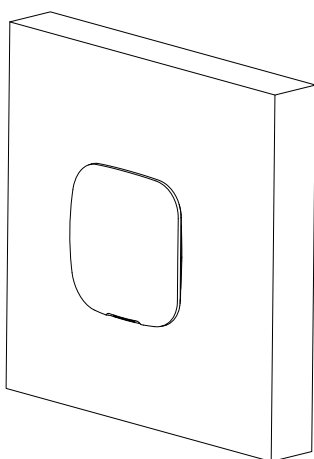
|                       |                                                                   |
|-----------------------|-------------------------------------------------------------------|
| Power Supply          | 12 V DC, 1.5 A (Europe, UK and USA power adapters are optional)   |
| Operating Temperature | –10 °C to +50 °C (+14 °F to +122 °F) (indoor)                     |
| Operating Humidity    | 10%–90% (RH)                                                      |
| Product Dimensions    | 163.0 mm × 163.0 mm × 32.0 mm (6.42" × 6.42" × 1.26") (L × W × H) |
| Packaging Dimensions  | 219.0 mm × 187.0 mm × 91.0 mm (8.62" × 7.36" × 3.58") (L × W × H) |
| Installation          | Wall mount; Desktop                                               |
| Net Weight            | 0.38 kg (0.84 lb)                                                 |
| Gross Weight          | 0.8 kg (1.76 lb)                                                  |

|                |                                      |
|----------------|--------------------------------------|
| Certifications | CE                                   |
| Casing         | PC + ABS                             |
| Battery Life   | Storage battery standby for 12 hours |

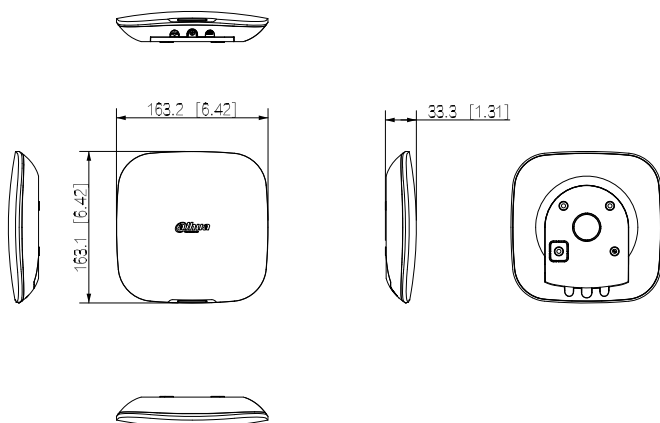
## Ordering Information

| Type      | Model            | Description    |
|-----------|------------------|----------------|
| Alarm hub | DHI-ARC3000H-GW2 | Alarm hub (2G) |

## Installation



## Dimensions (mm[inch])



## Application



# DHI-ARC3000H-W2(868)

## Alarm hub



- Supports 150 wireless peripherals (6 sirens, 64 wireless keyfobs).
- Peripherals status display (signal strength, battery level, temperature, program version).
- Automatic network replenishment (ANR).
- Video linkage on App.
- Frequency hopping function and two-way communication technology ensure communication stability.
- Cloud update and automatic recovery from update failure.

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### Scene

Mainly applied for villas, shops, apartments, etc.

### Technical Specification

#### Input/Output

|               |                                                                  |
|---------------|------------------------------------------------------------------|
| Wireless Zone | 150-channel wireless peripherals (6 sirens, 64 wireless keyfobs) |
|---------------|------------------------------------------------------------------|

#### Port

|                 |                                                                                 |
|-----------------|---------------------------------------------------------------------------------|
| Network Port    | 1 × RJ-45 10 M/100 M Ethernet port                                              |
| Storage Battery | Built-in lithium battery                                                        |
| Indicator Light | 1 for multiple statuses (alarm, arming, disarming, networking, and malfunction) |
| Button          | 1 × reset, 1 × power, 1 × AP                                                    |
| Buzzer          | Built-in                                                                        |

#### Function

|                                                    |                                                   |
|----------------------------------------------------|---------------------------------------------------|
| Tamper Alarm                                       | Yes                                               |
| Video Linkage                                      | Yes                                               |
| Network Protocol                                   | TCP/IP, including PPTP, L2TP, DHCP, UPNP, and NTP |
| Remote Upgrade                                     | Cloud update                                      |
| Arm and Disarm                                     | App; keyfob; schedule                             |
| Power Failure Protection for Configured Parameters | Yes                                               |

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| User Management   | Share function for App users                                                             |
| Cache             | Max. 50 entries (ANR)                                                                    |
| Low Battery Alarm | Yes                                                                                      |
| Search            | Search for push messages, device status, and program version, and detect signal strength |

#### Wireless

|                         |                                              |
|-------------------------|----------------------------------------------|
| Carrier Frequency       | 868.0 MHz–868.6 MHz                          |
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| Communication Mechanism | Two-way                                      |
| Encryption Mode         | AES128                                       |
| Wi-Fi                   | 2.4G                                         |
| Frequency Hopping       | Yes                                          |

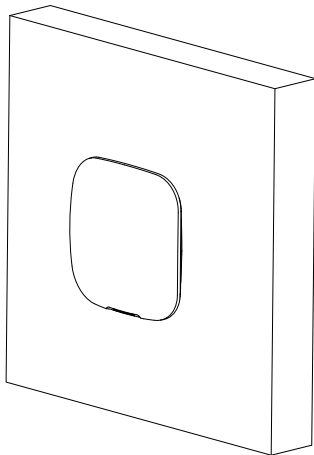
#### General

|                       |                                                                   |
|-----------------------|-------------------------------------------------------------------|
| Power Supply          | 12 V DC, 1.5 A (Europe, UK and USA power adapters are optional)   |
| Operating Temperature | –10 °C to +50 °C (+14 °F to +122 °F) (indoor)                     |
| Operating Humidity    | 10%–90% (RH)                                                      |
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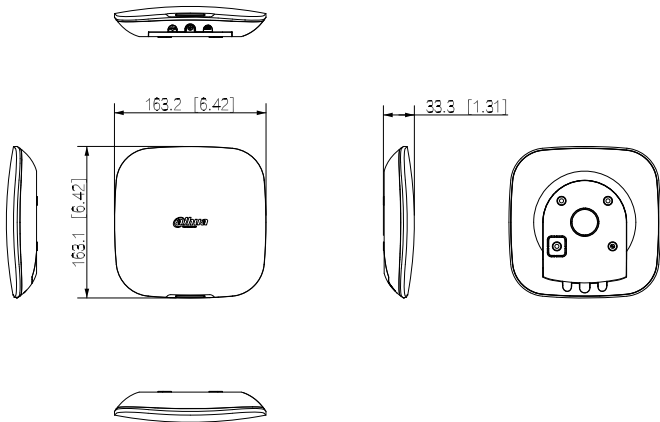
Ordering Information

| Type      | Model                | Description         |
|-----------|----------------------|---------------------|
| Alarm hub | DHI-ARC3000H-W2(868) | Alarm hub (general) |

Installation



Dimensions (mm[inch])



Application



# DHI-ARC3000H-W2

## Alarm hub



### System Overview

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| Buzzer          | Built-in                                                                        |

#### Function

|                                                    |                                                   |
|----------------------------------------------------|---------------------------------------------------|
| Tamper Alarm                                       | Yes                                               |
| Video Linkage                                      | Yes                                               |
| Network Protocol                                   | TCP/IP, including PPTP, L2TP, DHCP, UPNP, and NTP |
| Remote Upgrade                                     | Cloud update                                      |
| Arm and Disarm                                     | App; keyfob; schedule                             |
| Power Failure Protection for Configured Parameters | Yes                                               |

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|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| User Management   | Share function for App users                                                             |
| Cache             | Max. 50 entries (ANR)                                                                    |
| Low Battery Alarm | Yes                                                                                      |
| Search            | Search for push messages, device status, and program version, and detect signal strength |

#### Wireless

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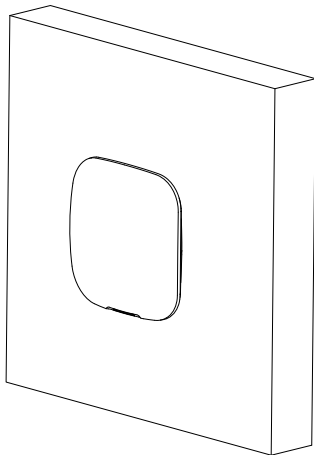
#### General

|                       |                                                                   |
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| Operating Humidity    | 10%–90% (RH)                                                      |
| Product Dimensions    | 163.0 mm × 163.0 mm × 32.0 mm (6.42" × 6.42" × 1.26") (L × W × H) |
| Packaging Dimensions  | 219.0 mm × 187.0 mm × 91.0 mm (8.62" × 7.36" × 3.58") (L × W × H) |
| Installation          | Wall mount; desktop                                               |
| Net Weight            | 0.38 kg (0.84 lb)                                                 |
| Gross Weight          | 0.8 kg (1.76 lb)                                                  |
| Certifications        | CE                                                                |
| Casing                | PC + ABS                                                          |
| Battery Life          | Storage battery standby for 12 hours                              |

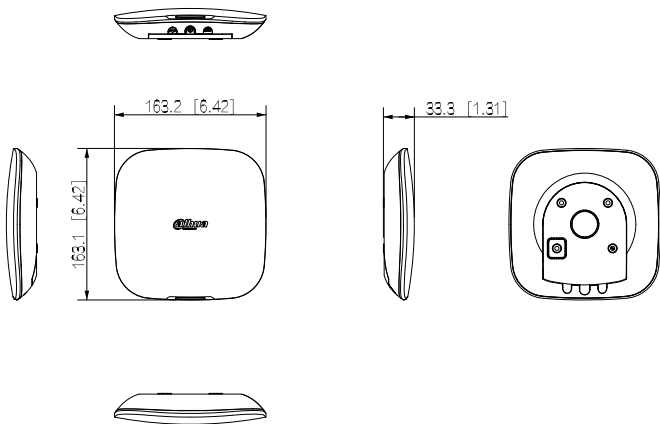
Ordering Information

| Type      | Model           | Description         |
|-----------|-----------------|---------------------|
| Alarm hub | DHI-ARC3000H-W2 | Alarm hub (general) |

Installation



Dimensions (mm[inch])



Application



## DHI-ARC5408C-(C)W

### Network Video Alarm Controller



### Features

- 8 on-board zones, 1 alarm out (expandable to 8)
- 32 wireless zones, bi-directional communication, up to 700m transmission distance (open space/no interference)
- 8 wireless keypads + 8 wired keypads
- 16 wireless key fobs (remote control)
- 4 wireless sirens + 1 wired siren
- 4CH@720P HDCVI/CVS/IPC
- 1/1ch audio in/out
- TCP/IP, WCDMA(-C only), PSTN
- 1x2.5" HDD (Max 2TB)
- Metal housing

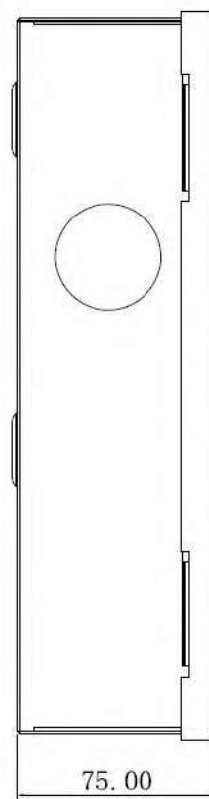
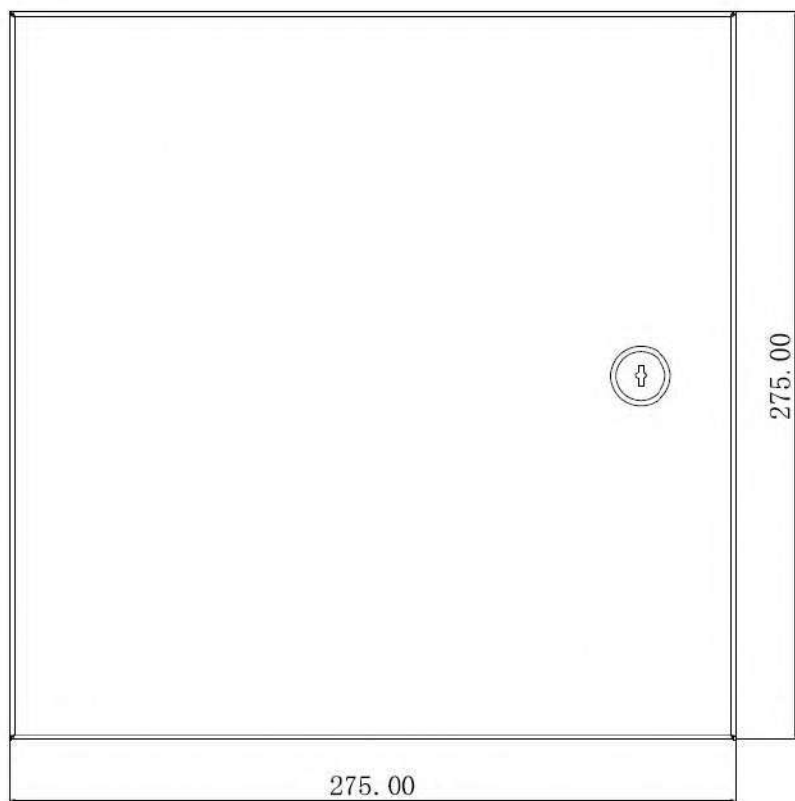
# DHI-ARC5408C-(C)W

## Technical Specifications

| Model                                   | DHI-ARC5408C-(C)W                                                                                             |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Wired Zones                             | 8 on-board zones                                                                                              |
| Wireless Zones                          | 32 wireless zones (433MHz)                                                                                    |
| Alarm Output                            | 1-ch relay output (30VDC 1A), extend to 8-ch                                                                  |
| Wireless Remote Control Number/Distance | 16, the transmission is up to 80m (open space/no interference)                                                |
| User Management                         | 1 installer user, 1 administrator, 1 duress user, 20 operator users                                           |
| Video in/out                            | input: 4CH@720P HDCVI/CVS/IPC<br>output: 1 VGA                                                                |
| Video Compression and Quality           | H.264, up to 1080P, Each channel can have two streams                                                         |
| Video Playback                          | Support up to 4CH @720P (or 2-ch 1080P)                                                                       |
| Motion Detect                           | Each screen can set 396 (22*18) detection areas; multi-level sensitivity; 1-6 optional                        |
| Region Masking                          | 4 regions for each channel                                                                                    |
| Audio coding standard                   | G.711A                                                                                                        |
| Audio in/out                            | 1-ch linear audio input/1-ch linear audio output                                                              |
| Audio talk                              | 1-ch multiplex audio talk                                                                                     |
| USB                                     | 1 USB2.0                                                                                                      |
| HDD                                     | 1 SATA 2.5 inch                                                                                               |
| Network                                 | 1-ch 10M/100M Ethernet port, RJ45 port<br>-C (WCDMA 3G network)                                               |
| Protocol                                | TCP/IP                                                                                                        |
| Log                                     | 5000                                                                                                          |
| Independent Security service center     | 2 groups phone call security center<br>1 group active registration center<br>2 groups network security center |
| Siren                                   | Support                                                                                                       |
| PSTN Detect                             | Support                                                                                                       |
| Anti-cut, Anti-circuit                  | Support                                                                                                       |
| SMS                                     | -C Support                                                                                                    |
| Remote Upgrade                          | Support                                                                                                       |
| Tamper Alarm                            | Vandal proof                                                                                                  |
| Load Capability                         | 12VDC 0.5A<br>12VDC 1.0A                                                                                      |
| Siren output power                      | 12VDC 0.5A                                                                                                    |
| Alternate Power                         | External: +12V 7AH Lead-acid battery<br>Internal: 11V 5200mAH lithium battery                                 |
| Power                                   | DC14.5V, Max 50W                                                                                              |
| Working Environment                     | -10°C~+55°C                                                                                                   |
| Overall dimensions\weight               | 275mm*275mm*75mm /<3kg                                                                                        |
| Installation                            | Wall mounting                                                                                                 |

## DHI-ARC5408C-(C)W

### Dimension





# **DETECTEURS**

## **SANS FILS**

# DHI-ARD323-W2(868)

Wireless door detector



- Signal strength detection.
- Low battery alarm.
- Temperature measurement.
- Frequency hopping function and two-way communication technology ensure communication stability.
- Cloud update and automatic recovery from update failure.

## System Overview

Wireless door detector is a detector consisting of a sensor and a magnet that can trigger an alarm when an armed door is opened. It can display the open and close state of doors and windows on the DMSS App in real time, and provides timely notifications of alarm events when armed, acting as a monitoring mechanism

## Scene

Mainly applied for villas, shops, apartments, etc.

## Technical Specification

### Port

|                 |                           |
|-----------------|---------------------------|
| Indicator Light | 1 × green alarm indicator |
| Button          | 1 × power button          |

### Function

|                   |                           |
|-------------------|---------------------------|
| Tamper Alarm      | Yes                       |
| Remote Upgrade    | Cloud update              |
| Low Battery Alarm | Yes                       |
| Test Mode         | Yes                       |
| Search            | Signal strength detection |

### Wireless

|                         |                                              |
|-------------------------|----------------------------------------------|
| Carrier Frequency       | 868.0 MHz–868.6 MHz                          |
| Communication Distance  | Up to 1,200 m (3,937.01 ft) in an open space |
| Communication Mechanism | Two-way                                      |
| Frequency Hopping       | Yes                                          |
| Encryption Mode         | AES128                                       |

## General

|                       |                                                                                             |
|-----------------------|---------------------------------------------------------------------------------------------|
| Power Supply          | CR123A battery                                                                              |
| Power Consumption     | Max. 125 mW                                                                                 |
| Operating Temperature | –10 °C to +55 °C (+14 °F to +131 °F) (indoor)                                               |
| Operating Humidity    | 10%–90% (RH)                                                                                |
| Product Dimensions    | 100.2mm × 20.8mm × 20.3mm (3.94" × 0.82" × 0.80") (L × W × H)                               |
| Packaging Dimensions  | 135.0 mm × 98.5 mm × 27.8mm (5.31" × 3.88" × 1.09") (L × W × H)                             |
| Installation          | Bracket mount                                                                               |
| Net Weight            | 70 g (0.15 lb)                                                                              |
| Gross Weight          | 115 g (0.25 lb)                                                                             |
| Certifications        | CE                                                                                          |
| Battery Life          | 4 years (The external input type is NO)<br>2 years (The external input type is NC or Pulse) |
| Casing Material       | PC + ABS                                                                                    |

## Temperature

|                     |                                              |
|---------------------|----------------------------------------------|
| Measuring Range     | –15 °C to +65 °C (+5 °F to +149 °F) (indoor) |
| Measuring Precision | ±1 °C (±1.8 °F)                              |
| Resolution          | 1 °C (33.8 °F)                               |

## Specification

|                   |                 |
|-------------------|-----------------|
| Sensor            | Reed Switch     |
| Scenario          | Non-metal doors |
| Movement Distance | < 40 mm (1.57") |

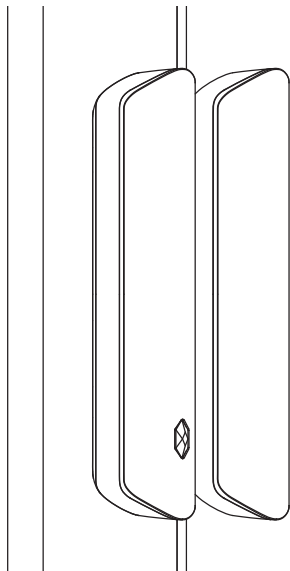
Peripherals

|               |                             |
|---------------|-----------------------------|
| External Zone | 1-channel dry contact input |
|---------------|-----------------------------|

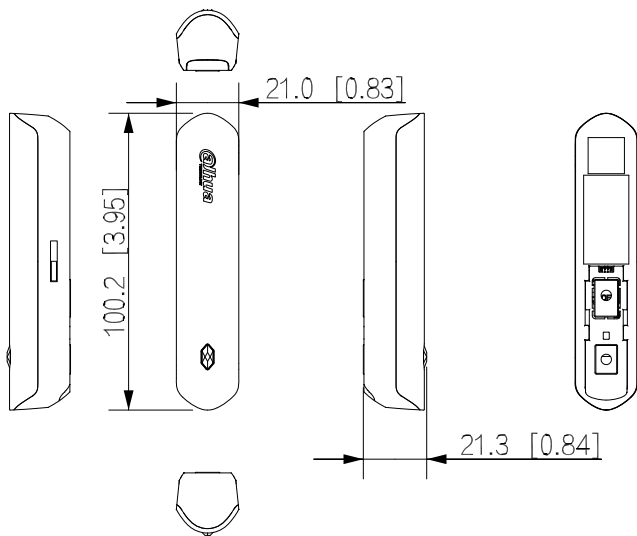
Ordering Information

| Type                   | Part Number        | Description           |
|------------------------|--------------------|-----------------------|
| Wireless door detector | DHI-ARD323-W2(868) | Wireless door contact |

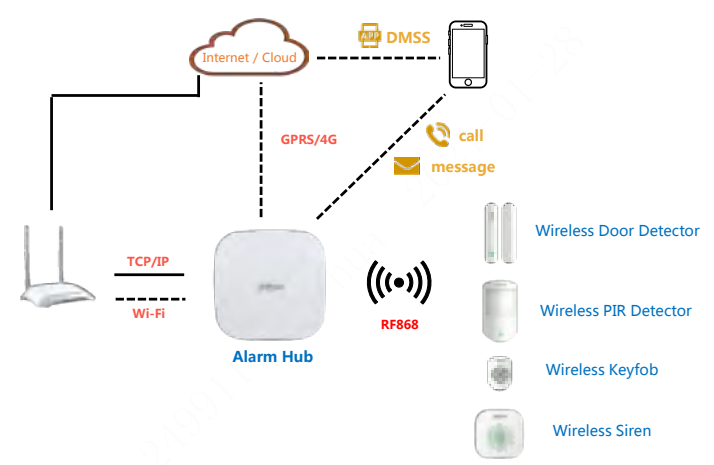
Installation



Dimensions (mm[inch])



Application



# DHI-ARD323-W2(868S)

Wireless door detector



- Signal strength detection.
- Low battery alarm.
- Temperature measurement.
- Frequency hopping function and two-way communication technology ensure communication stability.
- Cloud update and automatic recovery from update failure.

## System Overview

Wireless door detector is a detector consisting of a sensor and a magnet that can trigger an alarm when an armed door is opened. It can display the open and close state of doors and windows on the DMSS App in real time, and provides timely notifications of alarm events when armed, acting as a monitoring mechanism

## Scene

Mainly applied for villas, shops, apartments, etc.

## Technical Specification

### Port

|                 |                           |
|-----------------|---------------------------|
| Indicator Light | 1 × green alarm indicator |
| Button          | 1 × power button          |

### Function

|                   |                           |
|-------------------|---------------------------|
| Tamper Alarm      | Yes                       |
| Remote Upgrade    | Cloud update              |
| Low Battery Alarm | Yes                       |
| Test Mode         | Yes                       |
| Search            | Signal strength detection |

### Wireless

|                         |                                              |
|-------------------------|----------------------------------------------|
| Carrier Frequency       | 868.0 MHz–868.6 MHz                          |
| Communication Distance  | Up to 1,200 m (3,937.01 ft) in an open space |
| Communication Mechanism | Two-way                                      |
| Frequency Hopping       | Yes                                          |
| Encryption Mode         | AES128                                       |

## General

|                       |                                                                                             |
|-----------------------|---------------------------------------------------------------------------------------------|
| Power Supply          | CR123A battery                                                                              |
| Power Consumption     | Max. 125 mW                                                                                 |
| Operating Temperature | −10 °C to +55 °C (+14 °F to +131 °F) (indoor)                                               |
| Operating Humidity    | 10%–90% (RH)                                                                                |
| Product Dimensions    | 100.2mm × 20.8mm × 20.3mm (3.94" × 0.82" × 0.80") (L × W × H)                               |
| Packaging Dimensions  | 135.0 mm × 98.5 mm × 27.8mm (5.31" × 3.88" × 1.09") (L × W × H)                             |
| Installation          | Bracket mount                                                                               |
| Net Weight            | 70 g (0.15 lb)                                                                              |
| Gross Weight          | 115 g (0.25 lb)                                                                             |
| Certifications        | CE                                                                                          |
| Battery Life          | 4 years (The external input type is NO)<br>2 years (The external input type is NC or Pulse) |
| Casing Material       | PC + ABS                                                                                    |

## Temperature

|                     |                                              |
|---------------------|----------------------------------------------|
| Measuring Range     | −15 °C to +65 °C (+5 °F to +149 °F) (indoor) |
| Measuring Precision | ±1 °C (±1.8 °F)                              |
| Resolution          | 1 °C (33.8 °F)                               |

## Specification

|                   |                 |
|-------------------|-----------------|
| Sensor            | Reed Switch     |
| Scenario          | Non-metal doors |
| Movement Distance | < 40 mm (1.57") |

Peripherals

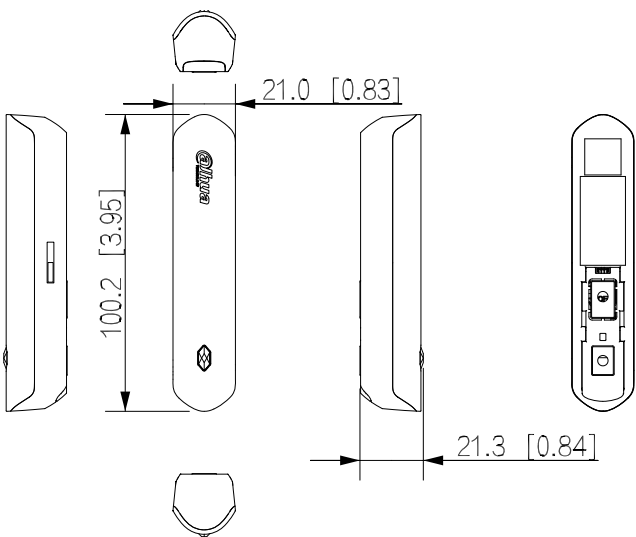
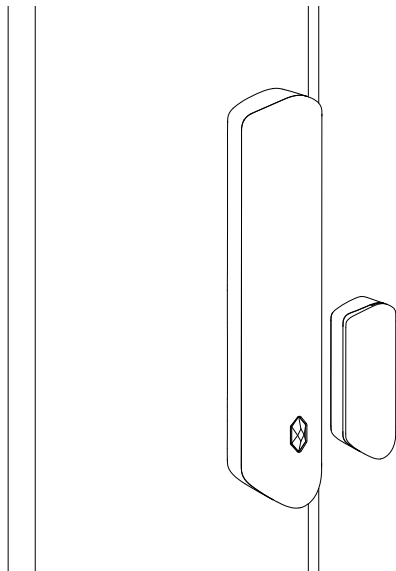
External Zone

1-channel dry contact input

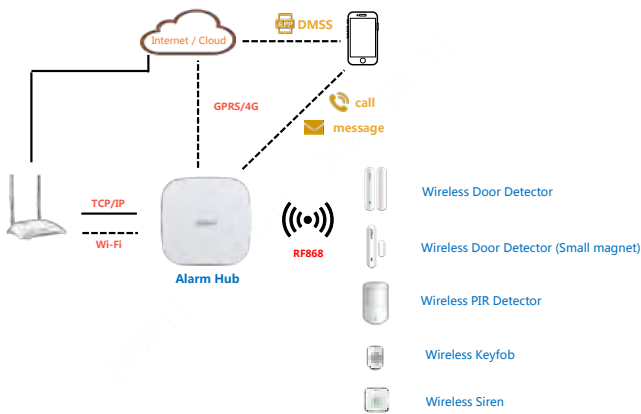
Ordering Information

| Type                   | Part Number         | Description           |
|------------------------|---------------------|-----------------------|
| Wireless door detector | DHI-ARD323-W2(868S) | Wireless door contact |

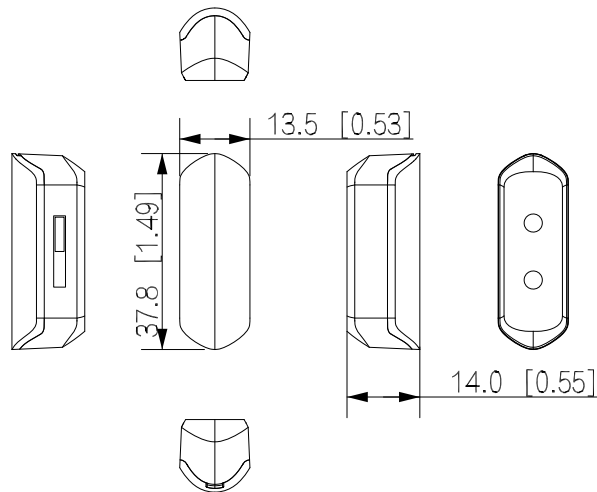
Installation



Application



Dimensions (mm[inch])



# DHI-ARD323-W2(S)

Wireless door detector



- Signal strength detection.
- Low battery alarm.
- Temperature measurement.
- Frequency hopping function and two-way communication technology ensure communication stability.
- Cloud update and automatic recovery from update failure.

## System Overview

Wireless door detector is a detector consisting of a sensor and a magnet that can trigger an alarm when an armed door is opened. It can display the open and close state of doors and windows on the DMSS App in real time, and provides timely notifications of alarm events when armed, acting as a monitoring mechanism.

## Scene

Mainly applied for villas, shops, apartments, etc.

## Technical Specification

### Port

|                 |                           |
|-----------------|---------------------------|
| Indicator Light | 1 × green alarm indicator |
| Button          | 1 × power button          |

### Function

|                   |                           |
|-------------------|---------------------------|
| Tamper Alarm      | Yes                       |
| Remote Upgrade    | Cloud update              |
| Low Battery Alarm | Yes                       |
| Test Mode         | Yes                       |
| Search            | Signal strength detection |

### Wireless

|                         |                                              |
|-------------------------|----------------------------------------------|
| Carrier Frequency       | 433.1 MHz–434.6 MHz                          |
| Communication Distance  | Up to 1,000 m (3,280.84 ft) in an open space |
| Communication Mechanism | Two-way                                      |
| Frequency Hopping       | Yes                                          |
| Encryption Mode         | AES128                                       |

## General

|                       |                                                                                             |
|-----------------------|---------------------------------------------------------------------------------------------|
| Power Supply          | CR123A battery                                                                              |
| Power Consumption     | Max. 70 mW                                                                                  |
| Operating Temperature | −10 °C to +55 °C (+14 °F to +131 °F) (indoor)                                               |
| Operating Humidity    | 10%–90% (RH)                                                                                |
| Product Dimensions    | 100.2mm × 20.8mm × 20.3mm (3.94" × 0.82" × 0.80") (L × W × H)                               |
| Packaging Dimensions  | 135.0 mm × 98.5 mm × 27.8mm (5.31" × 3.88" × 1.09") (L × W × H)                             |
| Installation          | Bracket mount                                                                               |
| Net Weight            | 70 g (0.15 lb)                                                                              |
| Gross Weight          | 115 g (0.25 lb)                                                                             |
| Certifications        | CE                                                                                          |
| Battery Life          | 4 years (The external input type is NO)<br>2 years (The external input type is NC or Pulse) |
| Casing                | PC + ABS                                                                                    |

## Temperature

|                     |                                              |
|---------------------|----------------------------------------------|
| Measuring Range     | −15 °C to +65 °C (+5 °F to +149 °F) (indoor) |
| Measuring Precision | ±1 °C (±1.8 °F)                              |
| Resolution          | 1 °C (33.8 °F)                               |

## Specification

|                   |                 |
|-------------------|-----------------|
| Sensor            | Reed Switch     |
| Scenario          | Non-metal doors |
| Movement Distance | < 40 mm (1.57") |

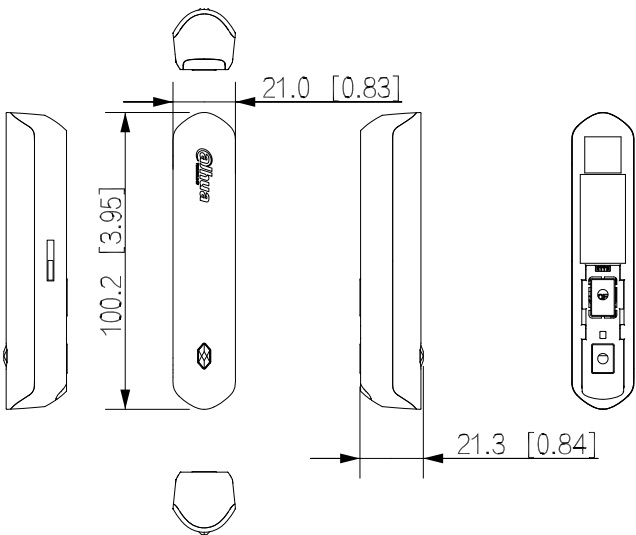
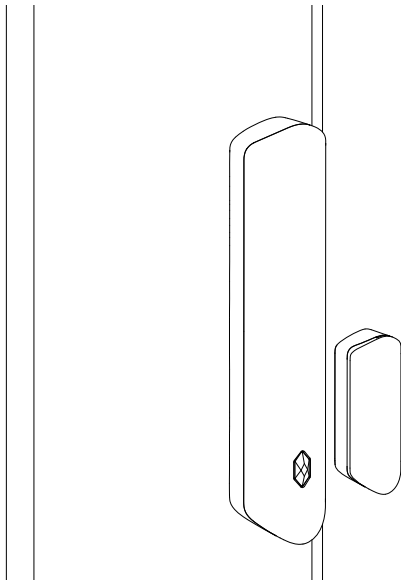
Peripherals

|               |                             |
|---------------|-----------------------------|
| External Zone | 1-channel dry contact input |
|---------------|-----------------------------|

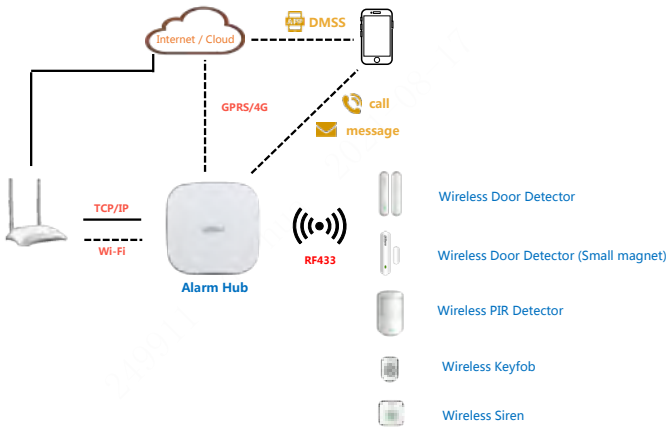
Ordering Information

| Type                   | Model            | Description            |
|------------------------|------------------|------------------------|
| Wireless door detector | DHI-ARD323-W2(S) | Wireless door detector |

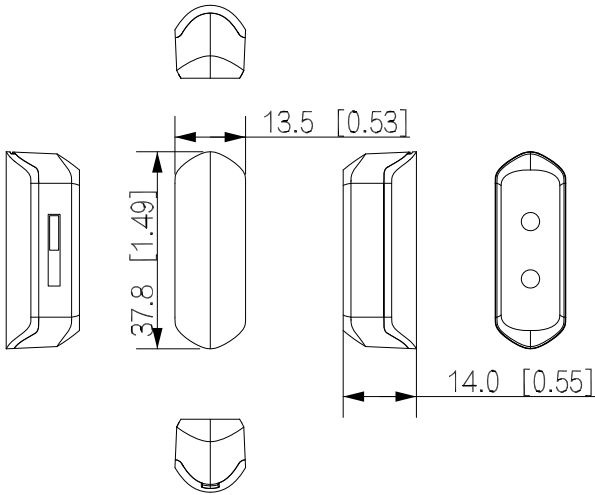
Installation



Application



Dimensions (mm[inch])



# DHI-ARD323-W2

## Wireless door detector



- Signal strength detection.
- Low battery alarm.
- Temperature measurement.
- Frequency hopping function and two-way communication technology ensure communication stability.
- Cloud update and automatic recovery from update failure.

### System Overview

Wireless door detector is a detector consisting of a sensor and a magnet that can trigger an alarm when an armed door is opened. It can display the open and close state of doors and windows on the DMSS App in real time, and provides timely notifications of alarm events when armed, acting as a monitoring mechanism.

### Scene

Mainly applied for villas, shops, apartments, etc.

### Technical Specification

#### Port

|                 |                           |
|-----------------|---------------------------|
| Indicator Light | 1 × green alarm indicator |
| Button          | 1 × power button          |

#### Function

|                   |                           |
|-------------------|---------------------------|
| Tamper Alarm      | Yes                       |
| Remote Upgrade    | Cloud update              |
| Low Battery Alarm | Yes                       |
| Test Mode         | Yes                       |
| Search            | Signal strength detection |

#### Wireless

|                         |                                              |
|-------------------------|----------------------------------------------|
| Carrier Frequency       | 433.1 MHz–434.6 MHz                          |
| Communication Distance  | Up to 1,000 m (3,280.84 ft) in an open space |
| Communication Mechanism | Two-way                                      |
| Frequency Hopping       | Yes                                          |
| Encryption Mode         | AES128                                       |

### General

|                       |                                                                                             |
|-----------------------|---------------------------------------------------------------------------------------------|
| Power Supply          | CR123A battery                                                                              |
| Power Consumption     | Max. 70 mW                                                                                  |
| Operating Temperature | −10 °C to +55 °C (+14 °F to +131 °F) (indoor)                                               |
| Operating Humidity    | 10%–90% (RH)                                                                                |
| Product Dimensions    | 100.2mm × 20.8mm × 20.3mm (3.94" × 0.82" × 0.80") (L × W × H)                               |
| Packaging Dimensions  | 135.0 mm × 98.5 mm × 27.8mm (5.31" × 3.88" × 1.09") (L × W × H)                             |
| Installation          | Bracket mount                                                                               |
| Net Weight            | 70 g (0.15 lb)                                                                              |
| Gross Weight          | 115 g (0.25 lb)                                                                             |
| Certifications        | CE                                                                                          |
| Battery Life          | 4 years (The external input type is NO)<br>2 years (The external input type is NC or Pulse) |
| Casing                | PC + ABS                                                                                    |

### Temperature

|                     |                                              |
|---------------------|----------------------------------------------|
| Measuring Range     | −15 °C to +65 °C (+5 °F to +149 °F) (indoor) |
| Measuring Precision | ±1 °C (±1.8 °F)                              |
| Resolution          | 1 °C (33.8 °F)                               |

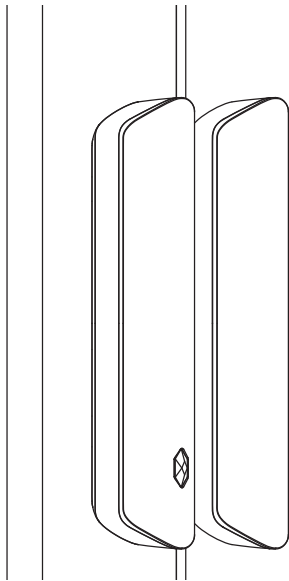
### Specification

|                   |                 |
|-------------------|-----------------|
| Sensor            | Reed Switch     |
| Scenario          | Non-metal doors |
| Movement Distance | < 40 mm (1.57") |

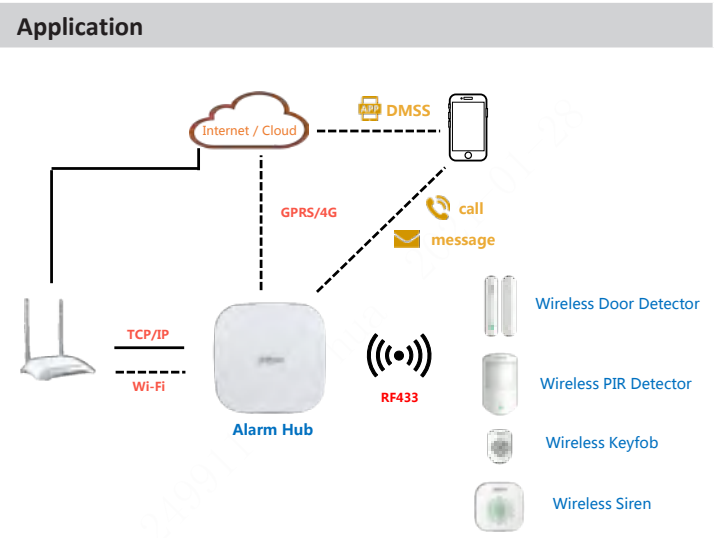
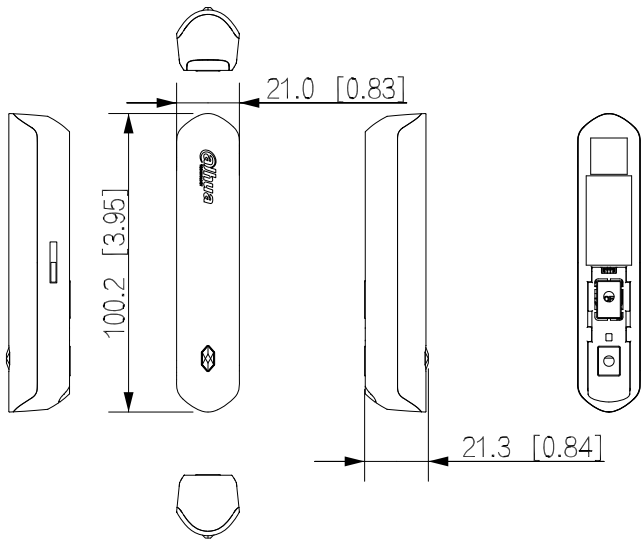
|               |                             |
|---------------|-----------------------------|
| Peripherals   |                             |
| External Zone | 1-channel dry contact input |

| Ordering Information   |               |                        |
|------------------------|---------------|------------------------|
| Type                   | Model         | Description            |
| Wireless door detector | DHI-ARD323-W2 | Wireless door detector |

Installation



Dimensions (mm[inch])



# DHI-ARD324-W2(868)

## Wireless Door Detector Plus



### System Overview

Wireless Door Detector Plus detects the status of doors and windows, recognizing when they are opening, shocking and tilting. It can connect with wired detectors in one of 3 ways: normally open, normally closed, and pulse. Easy to install and use, all the configurations can be done through the APP.

### Technical Specification

#### Input/Output

|             |                                                |
|-------------|------------------------------------------------|
| Alarm Input | 1(Normally Closed;Normally Open;Impulse Count) |
|-------------|------------------------------------------------|

#### Function

|                               |                                             |
|-------------------------------|---------------------------------------------|
| Indicator Light               | 1 × green alarm indicator                   |
| Button                        | 1 × power switch                            |
| Remote Update                 | Cloud update                                |
| Low Battery Detection         | Yes                                         |
| Tamper                        | Yes                                         |
| Measuring Range (Temperature) | Indoor: -15 °C to +65 °C (+5 °F to +149 °F) |
| Measuring Accuracy            | ±1 °C (±1.8 °F)                             |

#### Technical

|                   |                                     |
|-------------------|-------------------------------------|
| Sensor            | Triaxial accelerometer, reed switch |
| Movement Distance | < 40 mm (1.57")                     |
| Test Mode         | Yes                                 |
| Scenario          | Non-metal doors                     |
| Operating Current | 12 uA                               |
| Alarm Current     | 2.3 mA                              |

- Displays the temperature of the surrounding environment and supports the overheating alarm.
- Frequency hopping and two-way communication technology ensure that communication is stable.
- Supports cloud update and automatically restores when cloud update fails.
- Supports jamming detection and communication encryption.
- Supports tilt and shock detection, and generates alarms when the event happens.

### Wireless

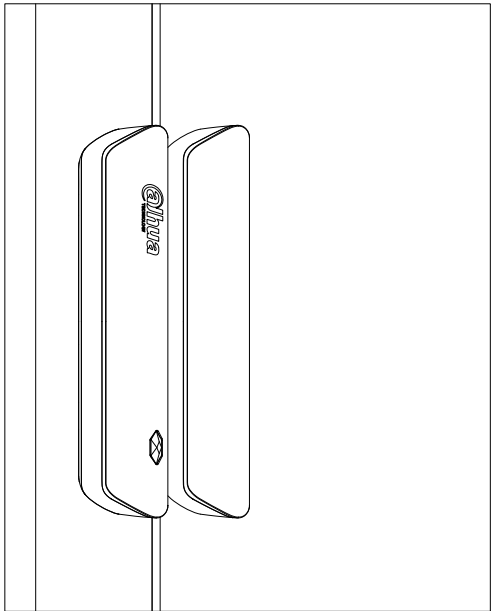
|                         |                                             |
|-------------------------|---------------------------------------------|
| Carrier Frequency       | 868.0 MHz~868.6 MHz                         |
| Communication Mechanism | Two-way                                     |
| Communication Distance  | Up to 1,200 m (3937.01 ft) in an open space |
| Encryption Mode         | AES128                                      |
| Frequency Hopping       | Yes                                         |

### General

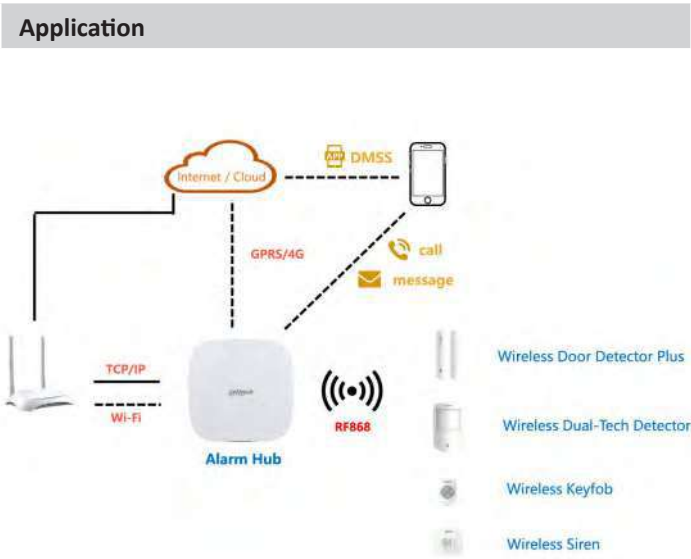
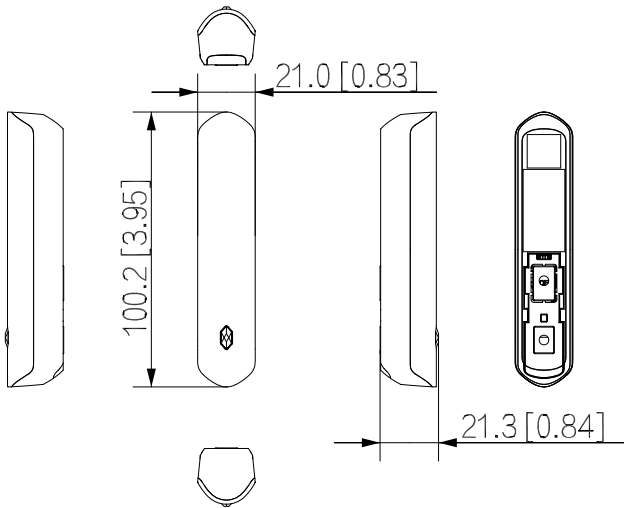
|                       |                                                                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Supply          | CR123A × 1                                                                                                                                         |
| Battery Life          | If triggered twice a day with a battery efficiency of 70%:<br>3 years (The external input type is NO)<br>1.5 years (The external input type is NC) |
| Power Consumption     | 167 mW                                                                                                                                             |
| Operating Temperature | Indoor: -10 °C to +55 °C (+14 °F to +131 °F)                                                                                                       |
| Operating Humidity    | 10%~90% (RH)                                                                                                                                       |
| Storage Temperature   | -10 °C to +55 °C (+14 °F to +131 °F)                                                                                                               |
| Storage Humidity      | 10%~90% (RH)                                                                                                                                       |
| Product Dimensions    | 100.2 mm × 20.8 mm × 20.3 mm (3.94" × 0.82" × 0.80")                                                                                               |
| Packaging Dimensions  | 135.0 mm × 98.5 mm × 27.8 mm (5.32" × 3.87" × 1.09")                                                                                               |
| Net Weight            | 70 g (0.15 lb)                                                                                                                                     |
| Gross Weight          | 115 g (0.25 lb)                                                                                                                                    |
| Installation          | Bracket mount                                                                                                                                      |
| Casing Material       | PC + ABS                                                                                                                                           |
| Certifications        | CE                                                                                                                                                 |

| Ordering Information   |                    |                             |
|------------------------|--------------------|-----------------------------|
| Type                   | Part Number        | Description                 |
| Wireless Door Detector | DHI-ARD324-W2(868) | Wireless Door Detector Plus |

Installation



Dimensions (mm[inch])



# DHI-ARD324-W2(868S)

## Wireless Door Detector Plus



- Displays the temperature of the surrounding environment and supports the overheating alarm.
- Frequency hopping and two-way communication technology ensure that communication is stable.
- Supports cloud update and automatically restores when cloud update fails.
- Supports jamming detection and communication encryption.
- Supports tilt and shock detection, and generates alarms when the event happens.

### System Overview

Wireless Door Detector Plus detects the status of doors and windows, recognizing when they are opening, shocking and tilting. It can connect with wired detectors in one of 3 ways: normally open, normally closed, and pulse. Easy to install and use, all the configurations can be done through the APP.

### Technical Specification

#### Input/Output

|             |                                                |
|-------------|------------------------------------------------|
| Alarm Input | 1(Normally Closed;Normally Open;Impulse Count) |
|-------------|------------------------------------------------|

#### Function

|                               |                                             |
|-------------------------------|---------------------------------------------|
| Indicator Light               | 1 × green alarm indicator                   |
| Button                        | 1 × power switch                            |
| Remote Update                 | Cloud update                                |
| Low Battery Detection         | Yes                                         |
| Tamper                        | Yes                                         |
| Measuring Range (Temperature) | Indoor: -15 °C to +65 °C (+5 °F to +149 °F) |
| Measuring Accuracy            | ±1 °C (±1.8 °F)                             |

#### Technical

|                   |                                     |
|-------------------|-------------------------------------|
| Sensor            | Triaxial Accelerometer, Reed Switch |
| Movement Distance | < 40 mm (1.57")                     |
| Test Mode         | Yes                                 |
| Scenario          | Non-metal doors                     |
| Operating Current | 12 uA                               |
| Alarm Current     | 2.3 mA                              |

### Wireless

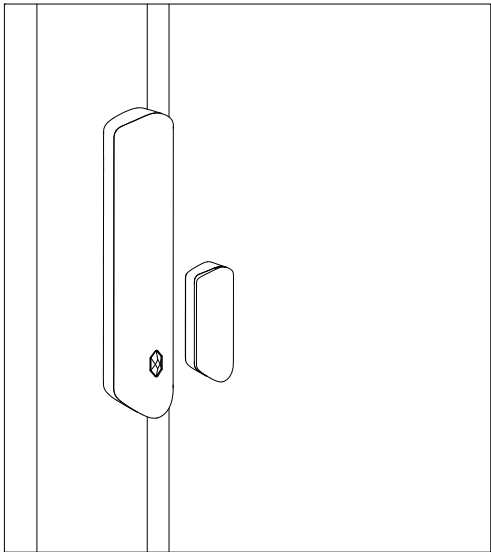
|                         |                                             |
|-------------------------|---------------------------------------------|
| Carrier Frequency       | 868.0 MHz~868.6 MHz                         |
| Communication Mechanism | Two-way                                     |
| Communication Distance  | Up to 1,200 m (3937.01 ft) in an open space |
| Encryption Mode         | AES128                                      |
| Frequency Hopping       | Yes                                         |

### General

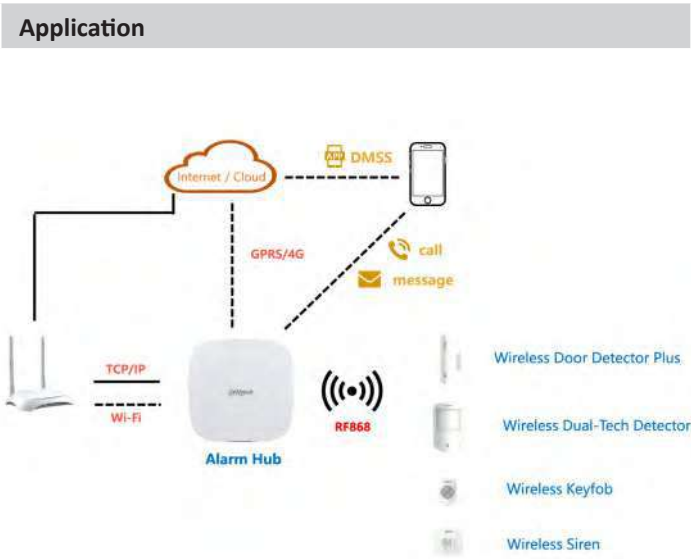
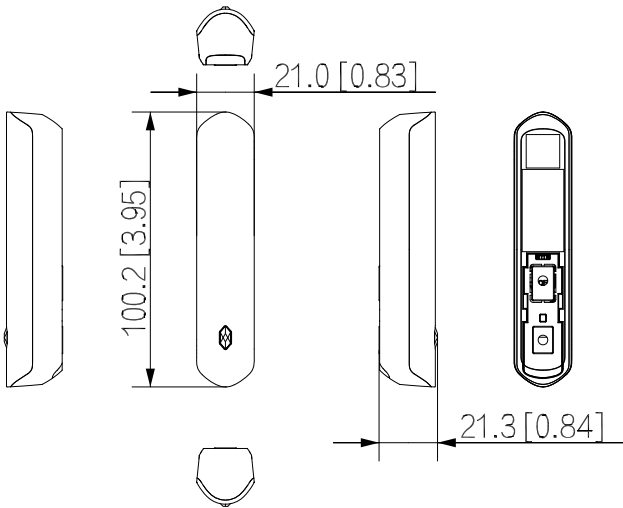
|                       |                                                                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Supply          | CR123A × 1                                                                                                                                         |
| Battery Life          | If triggered twice a day with a battery efficiency of 70%:<br>3 years (The external input type is NO)<br>1.5 years (The external input type is NC) |
| Power Consumption     | 167 mW                                                                                                                                             |
| Operating Temperature | Indoor: -10 °C to +55 °C (+14 °F to +131 °F)                                                                                                       |
| Operating Humidity    | 10%~90% (RH)                                                                                                                                       |
| Storage Temperature   | -10 °C to +55 °C (+14 °F to +131 °F)                                                                                                               |
| Storage Humidity      | 10%~90% (RH)                                                                                                                                       |
| Product Dimensions    | 100.2 mm × 20.8 mm × 20.3 mm (3.94" × 0.82" × 0.80")                                                                                               |
| Packaging Dimensions  | 135.0 mm × 98.5 mm × 27.8 mm (5.32" × 3.87" × 1.09")                                                                                               |
| Net Weight            | 70 g (0.15 lb)                                                                                                                                     |
| Gross Weight          | 115 g (0.25 lb)                                                                                                                                    |
| Installation          | Bracket mount                                                                                                                                      |
| Casing Material       | PC + ABS                                                                                                                                           |
| Certifications        | CE                                                                                                                                                 |

| Ordering Information   |                     |                             |
|------------------------|---------------------|-----------------------------|
| Type                   | Part Number         | Description                 |
| Wireless Door Detector | DHI-ARD324-W2(868S) | Wireless Door Detector Plus |

Installation



Dimensions (mm[inch])



# DHI-ARD324-W2(S)

## Wireless Door Detector Plus



### System Overview

Wireless Door Detector Plus detects the status of doors and windows, recognizing when they are opening, shocking and tilting. It can connect with wired detectors in one of 3 ways: normally open, normally closed, and pulse. Easy to install and use, all the configurations can be done through the APP.

### Technical Specification

#### Input/Output

|             |                                                |
|-------------|------------------------------------------------|
| Alarm Input | 1(Normally Closed;Normally Open;Impulse Count) |
|-------------|------------------------------------------------|

#### Function

|                               |                                             |
|-------------------------------|---------------------------------------------|
| Indicator Light               | 1 × green alarm indicator                   |
| Button                        | 1 × power switch                            |
| Remote Update                 | Cloud update                                |
| Low Battery Detection         | Yes                                         |
| Tamper                        | Yes                                         |
| Measuring Range (Temperature) | Indoor: -15 °C to +65 °C (+5 °F to +149 °F) |
| Measuring Accuracy            | ±1 °C (±1.8 °F)                             |

#### Technical

|                   |                                     |
|-------------------|-------------------------------------|
| Sensor            | Triaxial accelerometer, reed switch |
| Movement Distance | < 40 mm (1.57")                     |
| Test Mode         | Yes                                 |
| Scenario          | Non-metal doors                     |
| Operating Current | 12 uA                               |
| Alarm Current     | 2.3 mA                              |

- Displays the temperature of the surrounding environment and supports the overheating alarm.
- Frequency hopping and two-way communication technology ensure that communication is stable.
- Supports cloud update and automatically restores when cloud update fails.
- Supports jamming detection and communication encryption.
- Supports tilt and shock detection, and generates alarms when the event happens.

### Wireless

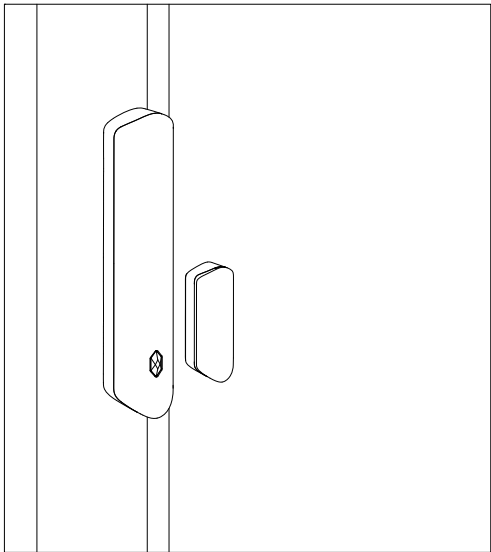
|                         |                                         |
|-------------------------|-----------------------------------------|
| Carrier Frequency       | 433.1 MHz–434.6 MHz                     |
| Communication Mechanism | Two-way                                 |
| Communication Distance  | Up to 1000m(3280.84ft) in an open space |
| Encryption Mode         | AES128                                  |
| Frequency Hopping       | Yes                                     |

### General

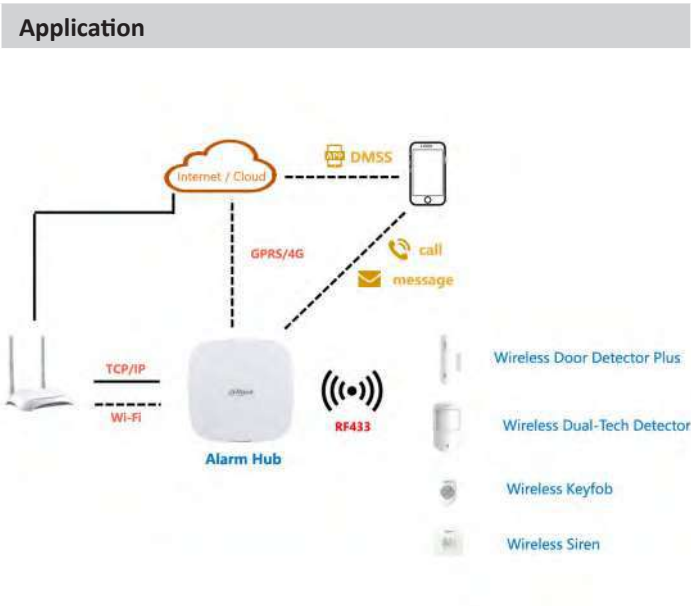
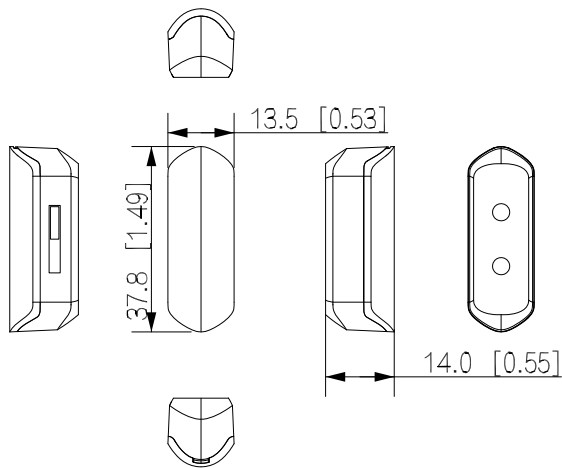
|                       |                                                                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Supply          | CR123A × 1                                                                                                                                         |
| Battery Life          | If triggered twice a day with a battery efficiency of 70%:<br>3 years (The external input type is NO)<br>1.5 years (The external input type is NC) |
| Power Consumption     | 104mW                                                                                                                                              |
| Operating Temperature | Indoor: -10 °C to +55 °C (+14 °F to +131 °F)                                                                                                       |
| Operating Humidity    | 10%–90% (RH)                                                                                                                                       |
| Storage Temperature   | -10 °C to +55 °C (+14 °F to +131 °F)                                                                                                               |
| Storage Humidity      | 10%–90% (RH)                                                                                                                                       |
| Product Dimensions    | 100.2 mm × 20.8 mm × 20.3 mm (3.94" × 0.82" × 0.80")                                                                                               |
| Packaging Dimensions  | 135.0 mm × 98.5 mm × 27.8 mm (5.32" × 3.87" × 1.09")                                                                                               |
| Net Weight            | 70 g (0.15 lb)                                                                                                                                     |
| Gross Weight          | 115 g (0.25 lb)                                                                                                                                    |
| Installation          | Bracket mount                                                                                                                                      |
| Casing Material       | PC + ABS                                                                                                                                           |
| Certifications        | CE                                                                                                                                                 |

| Ordering Information   |                  |                             |
|------------------------|------------------|-----------------------------|
| Type                   | Part Number      | Description                 |
| Wireless Door Detector | DHI-ARD324-W2(S) | Wireless Door Detector Plus |

Installation



Dimensions (mm[inch])



# DHI-ARD324-W2

## Wireless Door Detector Plus



- Displays the temperature of the surrounding environment and supports the overheating alarm.
- Frequency hopping and two-way communication technology ensure that communication is stable.
- Supports cloud update and automatically restores when cloud update fails.
- Supports jamming detection and communication encryption.
- Supports tilt and shock detection, and generates alarms when the event happens.

### System Overview

Wireless Door Detector Plus detects the status of doors and windows, recognizing when they are opening, shocking and tilting. It can connect with wired detectors in one of 3 ways: normally open, normally closed, and pulse. Easy to install and use, all the configurations can be done through the APP.

### Technical Specification

#### Input/Output

|             |                                                |
|-------------|------------------------------------------------|
| Alarm Input | 1(Normally Closed;Normally Open;Impulse Count) |
|-------------|------------------------------------------------|

#### Function

|                               |                                             |
|-------------------------------|---------------------------------------------|
| Indicator Light               | 1 × green alarm indicator                   |
| Button                        | 1 × power switch                            |
| Remote Update                 | Cloud update                                |
| Low Battery Detection         | Yes                                         |
| Tamper                        | Yes                                         |
| Measuring Range (Temperature) | Indoor: -15 °C to +65 °C (+5 °F to +149 °F) |
| Measuring Accuracy            | ±1 °C (±1.8 °F)                             |

#### Technical

|                   |                                     |
|-------------------|-------------------------------------|
| Sensor            | Triaxial accelerometer, reed switch |
| Movement Distance | < 40 mm (1.57")                     |
| Test Mode         | Yes                                 |
| Scenario          | Non-metal doors                     |
| Operating Current | 12 uA                               |
| Alarm Current     | 2.3 mA                              |

### Wireless

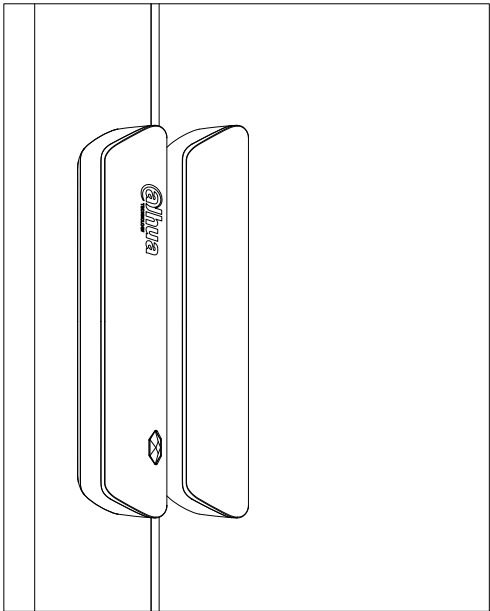
|                         |                                         |
|-------------------------|-----------------------------------------|
| Carrier Frequency       | 433.1 MHz–434.6 MHz                     |
| Communication Mechanism | Two-way                                 |
| Communication Distance  | Up to 1000m(3280.84ft) in an open space |
| Encryption Mode         | AES128                                  |
| Frequency Hopping       | Yes                                     |

### General

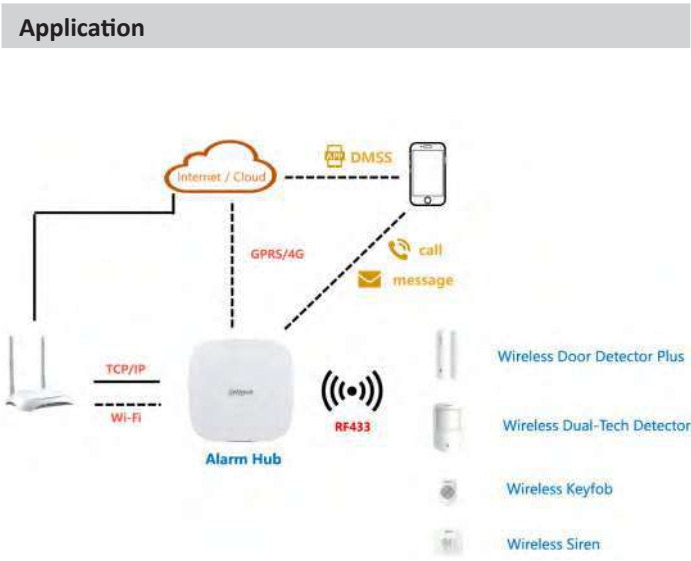
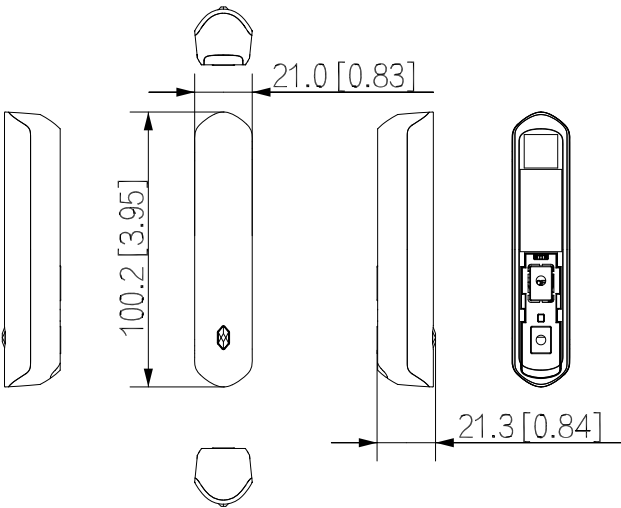
|                       |                                                                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Supply          | CR123A × 1                                                                                                                                         |
| Battery Life          | If triggered twice a day with a battery efficiency of 70%:<br>3 years (The external input type is NO)<br>1.5 years (The external input type is NC) |
| Power Consumption     | 104 mW                                                                                                                                             |
| Operating Temperature | Indoor: -10 °C to +55 °C (+14 °F to +131 °F)                                                                                                       |
| Operating Humidity    | 10%–90% (RH)                                                                                                                                       |
| Storage Temperature   | -10 °C to +55 °C (+14 °F to +131 °F)                                                                                                               |
| Storage Humidity      | 10%–90%                                                                                                                                            |
| Product Dimensions    | 100.2 mm × 20.8 mm × 20.3 mm (3.94" × 0.82" × 0.80")                                                                                               |
| Packaging Dimensions  | 135.0 mm × 98.5 mm × 27.8 mm (5.32" × 3.87" × 1.09")                                                                                               |
| Net Weight            | 70 g (0.15 lb)                                                                                                                                     |
| Gross Weight          | 115 g (0.25 lb)                                                                                                                                    |
| Installation          | Bracket mount                                                                                                                                      |
| Casing Material       | PC + ABS                                                                                                                                           |
| Certifications        | CE                                                                                                                                                 |

| Ordering Information   |               |                             |
|------------------------|---------------|-----------------------------|
| Type                   | Part Number   | Description                 |
| Wireless Door Detector | DHI-ARD324-W2 | Wireless Door Detector Plus |

Installation



Dimensions (mm[inch])



# DHI-ARD512-W2(868)

## Dahua Wireless Glass Break Detector



- Detects when the glass is broken, triggering alarms for different types of glass such as tempered, double-glazed, laminated, wired, plate and float glass.
- Detects high and low frequency sounds at the same time, and uses algorithms to reduce the occurrence of false alarms.
- Two-channel alarm input.
- Cloud update and automatic recovery from update failure.
- The two-way wireless encrypted communication mechanism improves the security and stability of communication.
- With the wireless frequency hopping mechanism, the device automatically hops to other available frequency bands when the original frequency band is being interfered with by other wireless radios, to ensure communication remains stable.

### System Overview

The Wireless Glass Break Detector recognizes when different types of glass are breaking, triggering alarms in real time. With its advanced technology, it picks up the low-frequency and high-frequency that glass breaks at, reducing the occurrence of false alarms caused by noise interference from the environment. It also comes with 2 external ports that can connect to third-party wired detectors. When placed in a home or building, it helps protect families and work places from intrusions.

### Technical Specification

#### Port

|             |                                             |
|-------------|---------------------------------------------|
| Alarm Input | 2 (NO/NC)                                   |
| Microphone  | Highly-sensitive omnidirectional microphone |

#### Function

|                       |                  |
|-----------------------|------------------|
| Button                | 1 × power button |
| Remote Update         | Cloud update     |
| Low Battery Detection | Yes              |
| Tamper                | Yes              |

#### Technical

|                                        |                                                                                                                                                                                                           |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Detection Range                        | Max. 9 m (29.53 ft)                                                                                                                                                                                       |
| Specifications of Glass to be Detected | Glass type: Tempered, double-glazed, laminated, wired, plate and float<br>Glass thickness: 2.4 mm–6.4 mm (0.09"–0.25")<br>Glass size: 0.3 m × 0.3 m to 3 m × 3 m (0.98 ft × 0.98 ft to 9.84 ft × 9.84 ft) |
| Test Mode                              | Yes                                                                                                                                                                                                       |
| LED Indicator                          | 1 × green alarm indicator                                                                                                                                                                                 |
| Scenario                               | Indoor                                                                                                                                                                                                    |
| Operating Current                      | 45 uA                                                                                                                                                                                                     |
| Alarm Current                          | 50 mA                                                                                                                                                                                                     |

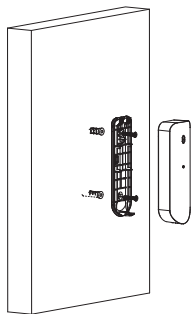
### Wireless

|                         |                       |
|-------------------------|-----------------------|
| Carrier Frequency       | 868.0 MHz–868.6 MHz   |
| Communication Mechanism | Two-way               |
| Communication Distance  | 1,600 m (5,249.34 ft) |
| Encryption Mode         | AES128                |
| Frequency Hopping       | Yes                   |

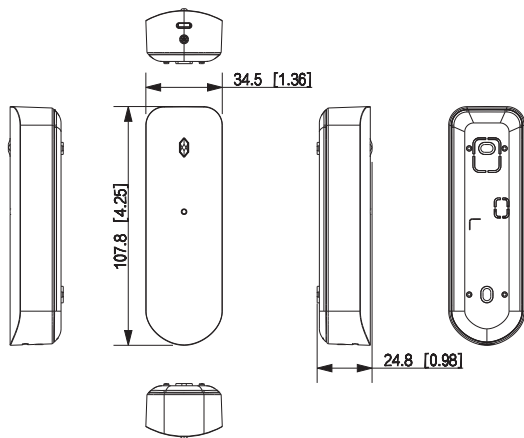
### General

|                       |                                                                                                                 |
|-----------------------|-----------------------------------------------------------------------------------------------------------------|
| Power Supply          | 1 × CR123A battery                                                                                              |
| Battery Model         | CR123A                                                                                                          |
| Battery Life          | 3 years (The external input type is NO)<br>1 year (Both external sensors are enabled, and the input type is NC) |
| Power Consumption     | Max. 150 mW                                                                                                     |
| Operating Temperature | –10 °C to +55 °C (+14 °F to +131 °F) (indoor)                                                                   |
| Operating Humidity    | 10%–90% (RH)                                                                                                    |
| Product Dimensions    | 107.8 mm × 34.5 mm × 24.8 mm (4.24" × 1.36" × 0.98")                                                            |
| Net Weight            | 45 g (0.10 lb)                                                                                                  |
| Gross Weight          | 130 g (0.29 lb)                                                                                                 |
| Installation          | Surface mount                                                                                                   |
| Casing Material       | PC and ABS                                                                                                      |
| Appearance Color      | White                                                                                                           |
| Certifications        | CE                                                                                                              |
| Anti-corrosion Level  | Basic Protection                                                                                                |
| Packaging Dimensions  | 95 mm × 43 mm × 139 mm (3.74" × 1.69" × 5.47")                                                                  |

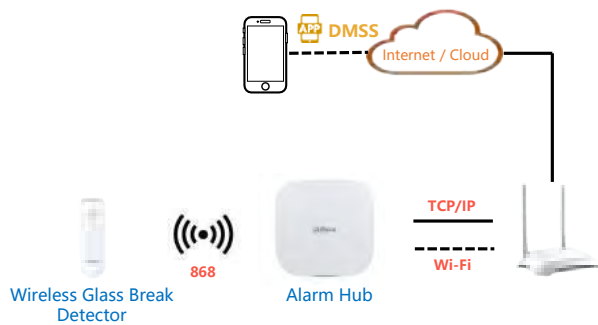
Installation



Dimensions (mm/inch)



Application



# DHI-ARD512-W2

## Dahua Wireless Glass Break Detector



### System Overview

The Wireless Glass Break Detector recognizes when different types of glass are breaking, triggering alarms in real time. With its advanced technology, it picks up the low-frequency and high-frequency that glass breaks at, reducing the occurrence of false alarms caused by noise interference from the environment. It also comes with 2 external ports that can connect to third-party wired detectors. When placed in a home or building, it helps protect families and work places from intrusions.

### Technical Specification

#### Port

|             |                                             |
|-------------|---------------------------------------------|
| Alarm Input | 2 (NO/NC)                                   |
| Microphone  | Highly-sensitive omnidirectional microphone |

#### Function

|                       |                  |
|-----------------------|------------------|
| Button                | 1 × power button |
| Remote Update         | Cloud update     |
| Low Battery Detection | Yes              |
| Tamper                | Yes              |

#### Technical

|                                        |                                                                                                                                                                                                           |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Detection Range                        | Max. 9 m (29.53 ft)                                                                                                                                                                                       |
| Specifications of Glass to be Detected | Glass type: Tempered, double-glazed, laminated, wired, plate and float<br>Glass thickness: 2.4 mm–6.4 mm (0.09"–0.25")<br>Glass size: 0.3 m × 0.3 m to 3 m × 3 m (0.98 ft × 0.98 ft to 9.84 ft × 9.84 ft) |
| Test Mode                              | Yes                                                                                                                                                                                                       |
| LED Indicator                          | 1 × green alarm indicator                                                                                                                                                                                 |
| Scenario                               | Indoor                                                                                                                                                                                                    |
| Operating Current                      | 45 uA                                                                                                                                                                                                     |
| Alarm Current                          | 50 mA                                                                                                                                                                                                     |

- Detects when the glass is broken, triggering alarms for different types of glass such as tempered, double-glazed, laminated, wired, plate and float glass.
- Detects high and low frequency sounds at the same time, and uses algorithms to reduce the occurrence of false alarms.
- Two-channel alarm input.
- Cloud update and automatic recovery from update failure.
- The two-way wireless encrypted communication mechanism improves the security and stability of communication.
- With the wireless frequency hopping mechanism, the device automatically hops to other available frequency bands when the original frequency band is being interfered with by other wireless radios, to ensure communication remains stable.

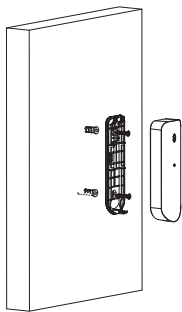
#### Wireless

|                         |                       |
|-------------------------|-----------------------|
| Carrier Frequency       | 433.1 MHz–434.6 MHz   |
| Communication Mechanism | Two-way               |
| Communication Distance  | 1,200 m (3,937.01 ft) |
| Encryption Mode         | AES128                |
| Frequency Hopping       | Yes                   |

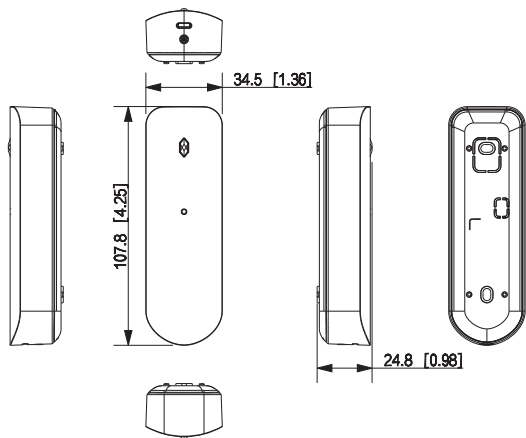
#### General

|                       |                                                                                                                 |
|-----------------------|-----------------------------------------------------------------------------------------------------------------|
| Power Supply          | 1 × CR123A battery                                                                                              |
| Battery Model         | CR123A                                                                                                          |
| Battery Life          | 3 years (The external input type is NO)<br>1 year (Both external sensors are enabled, and the input type is NC) |
| Power Consumption     | Max. 150 mW                                                                                                     |
| Operating Temperature | –10 °C to +55 °C (+14 °F to +131 °F) (indoor)                                                                   |
| Operating Humidity    | 10%–90% (RH)                                                                                                    |
| Product Dimensions    | 107.8 mm × 34.5 mm × 24.8 mm (4.24" × 1.36" × 0.98")                                                            |
| Net Weight            | 45 g (0.10 lb)                                                                                                  |
| Gross Weight          | 130 g (0.29 lb)                                                                                                 |
| Installation          | Surface mount                                                                                                   |
| Casing Material       | PC and ABS                                                                                                      |
| Appearance Color      | White                                                                                                           |
| Certifications        | CE                                                                                                              |
| Anti-corrosion Level  | Basic Protection                                                                                                |
| Packaging Dimensions  | 95 mm × 43 mm × 139 mm (3.74" × 1.69" × 5.47")                                                                  |

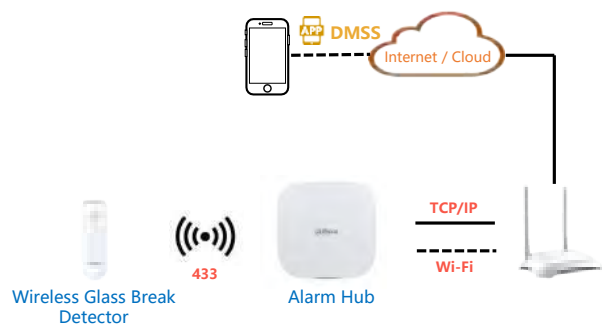
Installation



Dimensions (mm/inch)



Application



# DHI-ARD912-W2(868)

## Wireless Water Leak Detector



- Frequency hopping and two-way communication technology ensure that communication is stable.
- Supports jamming detection and communication encryption.
- Supports cloud update and automatically restores when cloud update fails.
- Displays the temperature of the surrounding environment and supports the overheating alarm.
- Sensitivity adjustment.

### System Overview

Wireless Water Leak Detector can be used to detect water leaks in indoor pipes, baths, sinks, washing machines, and dishwashers. It triggers alarms and sends timely notifications to keep you up to date on ongoing events. Hassle free, it is easy to install and does not require wiring. It also provides communication security, supporting the use of wireless communication with encryption technology.

### Technical Specification

#### Function

|                       |                                                            |
|-----------------------|------------------------------------------------------------|
| Indicator Light       | 1 for multiple statuses (pairing, power status, and alarm) |
| Button                | Power switch button                                        |
| Remote Update         | Cloud update                                               |
| Low Battery Detection | Yes                                                        |
| Tamper                | No                                                         |

#### Technical

|                   |                     |
|-------------------|---------------------|
| Sensor            | Water leak detector |
| Sensitivity       | Adjustable          |
| Operating Current | 28.5 uA             |
| Alarm Current     | 5.8 mA              |

#### Wireless

|                         |                                             |
|-------------------------|---------------------------------------------|
| Carrier Frequency       | 868.0 MHz–868.6 MHz                         |
| Communication Mechanism | Two-way                                     |
| Communication Distance  | Up to 1,200 m (3937.01 ft) in an open space |
| Encryption Mode         | AES128                                      |
| Frequency Hopping       | Yes                                         |

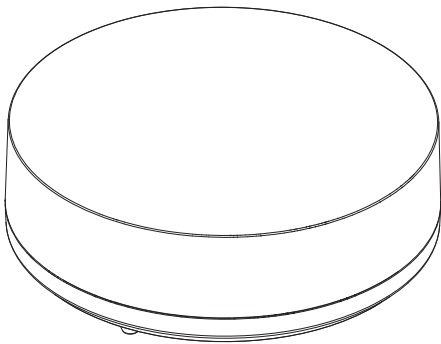
### General

|                       |                                                      |
|-----------------------|------------------------------------------------------|
| Power Supply          | CR123A × 1                                           |
| Battery Life          | 3 years when triggered once a day.                   |
| Power Consumption     | Max 144 mW                                           |
| Operating Temperature | Indoor: -10 °C to +55 °C (+14 °F to +131 °F)         |
| Operating Humidity    | 10%–90% (RH)                                         |
| Storage Temperature   | -10 °C to +55 °C (+14 °F to +131 °F)                 |
| Storage Humidity      | 10%–90% (RH)                                         |
| Product Dimensions    | 84.7 mm × 84.7 mm × 32.5 mm (3.33" × 3.33" × 1.28")  |
| Packaging Dimensions  | 135.0 mm × 98.0 mm × 56.0 mm (5.32" × 3.86" × 2.20") |
| Net Weight            | 0.1 kg (0.22 lb)                                     |
| Gross Weight          | 0.2 kg (0.44 lb)                                     |
| Installation          | Plane mount                                          |
| Casing Material       | PC + ABS                                             |
| Protection            | IPX5                                                 |
| Certifications        | CE                                                   |

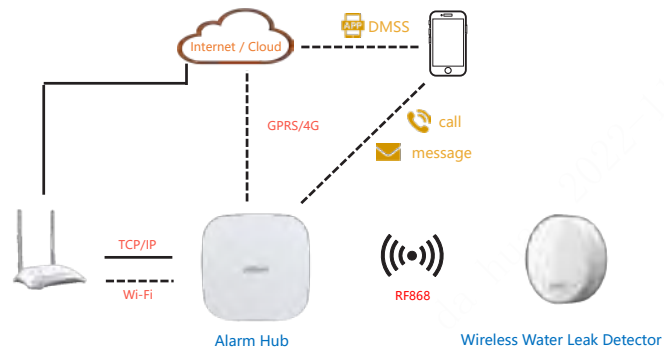
### Ordering Information

| Type                         | Part Number        | Description                  |
|------------------------------|--------------------|------------------------------|
| Wireless Water Leak Detector | DHI-ARD912-W2(868) | Wireless Water Leak Detector |

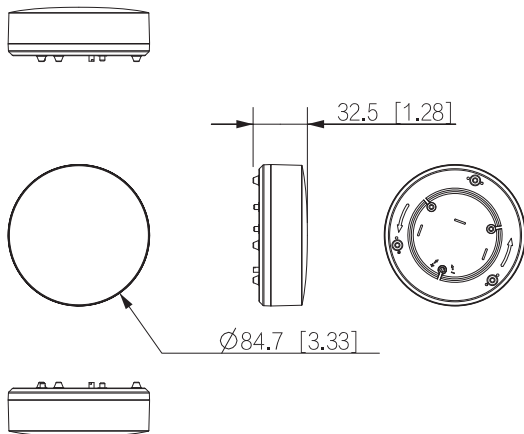
Installation



Application



Dimensions (mm[inch])



# DHI-ARD912-W2(868D)

## Wireless Water Leak Detector



- Frequency hopping and two-way communication technology ensure that communication is stable.
- Supports jamming detection and communication encryption.
- Supports cloud update and automatically restores when cloud update fails.
- Displays the temperature of the surrounding environment and supports the overheating alarm.
- Sensitivity adjustment.

### System Overview

Wireless Water Leak Detector can be used to detect water leaks in indoor pipes, baths, sinks, washing machines, and dishwashers. It triggers alarms and sends timely notifications to keep you up to date on ongoing events. Hassle free, it is easy to install and does not require wiring. It also provides communication security, supporting the use of wireless communication with encryption technology.

### Technical Specification

#### Function

|                       |                                                            |
|-----------------------|------------------------------------------------------------|
| Indicator Light       | 1 for multiple statuses (pairing, power status, and alarm) |
| Button                | Power switch button                                        |
| Remote Update         | Cloud update                                               |
| Low Battery Detection | Yes                                                        |
| Tamper                | No                                                         |

#### Technical

|                   |                     |
|-------------------|---------------------|
| Sensor            | Water leak detector |
| Sensitivity       | Adjustable          |
| Operating Current | 28.5 uA             |
| Alarm Current     | 5.8 mA              |

#### Wireless

|                         |                                             |
|-------------------------|---------------------------------------------|
| Carrier Frequency       | 868.0 MHz–868.6 MHz                         |
| Communication Mechanism | Two-way                                     |
| Communication Distance  | Up to 1,200 m (3937.01 ft) in an open space |
| Encryption Mode         | AES128                                      |
| Frequency Hopping       | Yes                                         |

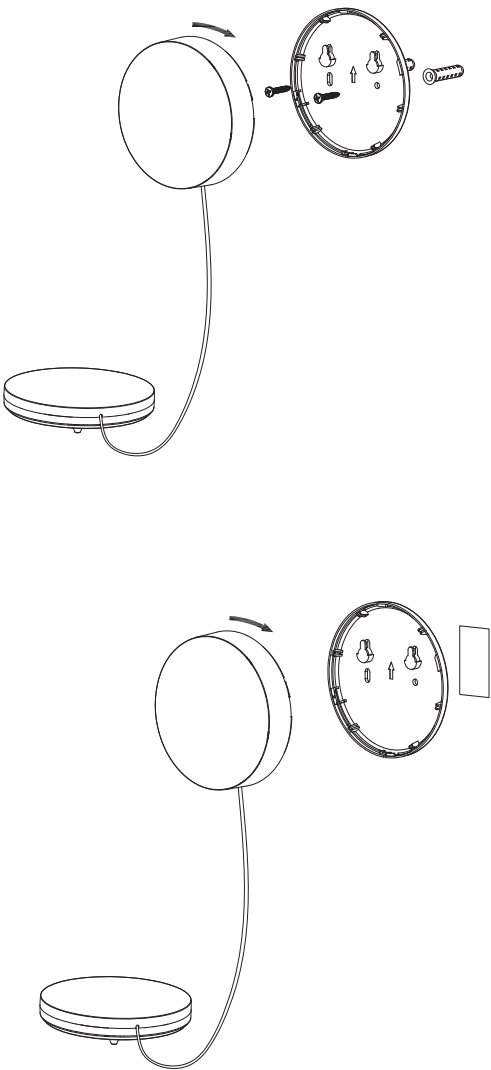
### General

|                       |                                                      |
|-----------------------|------------------------------------------------------|
| Power Supply          | CR123A × 1                                           |
| Battery Life          | 3 years when triggered once a day.                   |
| Power Consumption     | Max 144 mW                                           |
| Operating Temperature | Indoor: -10 °C to +55 °C (+14 °F to +131 °F)         |
| Operating Humidity    | 10%–90% (RH)                                         |
| Storage Temperature   | -10 °C to +55 °C (+14 °F to +131 °F)                 |
| Storage Humidity      | 10%–90% (RH)                                         |
| Product Dimensions    | 84.7 mm × 84.7 mm × 32.5 mm (3.33" × 3.33" × 1.28")  |
| Packaging Dimensions  | 135.0 mm × 98.0 mm × 56.0 mm (5.32" × 3.86" × 2.20") |
| Net Weight            | 0.1 kg (0.22 lb)                                     |
| Gross Weight          | 0.2 kg (0.44 lb)                                     |
| Installation          | Plane mount, wall mount                              |
| Casing Material       | PC + ABS                                             |
| Protection            | IPX5                                                 |
| Certifications        | CE                                                   |

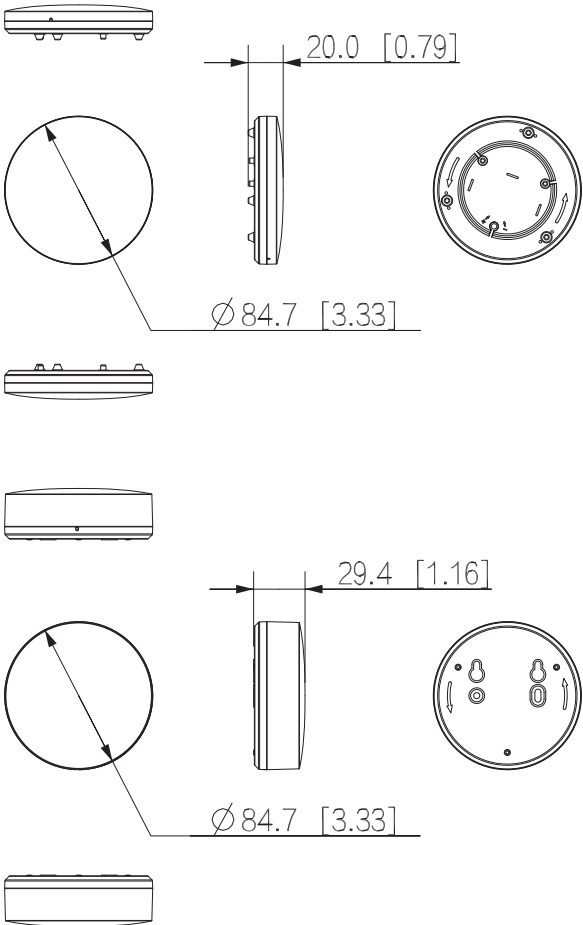
### Ordering Information

| Type                         | Part Number         | Description                  |
|------------------------------|---------------------|------------------------------|
| Wireless Water Leak Detector | DHI-ARD912-W2(868D) | Wireless Water Leak Detector |

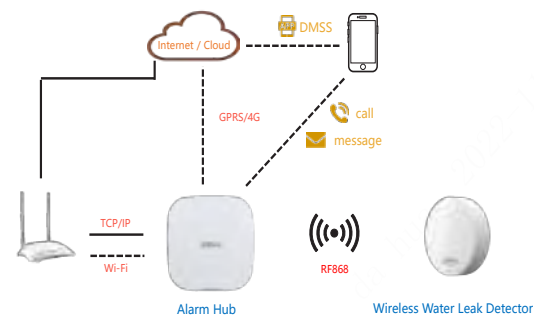
Installation



Dimensions (mm[inch])



Application



# DHI-ARD912-W2(D)

## Wireless Water Leak Detector



- Frequency hopping and two-way communication technology ensure that communication is stable.
- Supports jamming detection and communication encryption.
- Supports cloud update and automatically restores when cloud update fails.
- Displays the temperature of the surrounding environment and supports the overheating alarm.
- Sensitivity adjustment.

### System Overview

Wireless Water Leak Detector can be used to detect water leaks in indoor pipes, baths, sinks, washing machines, and dishwashers. It triggers alarms and sends timely notifications to keep you up to date on ongoing events. Hassle free, it is easy to install and does not require wiring. It also provides communication security, supporting the use of wireless communication with encryption technology.

### Technical Specification

#### Function

|                       |                                                            |
|-----------------------|------------------------------------------------------------|
| Indicator Light       | 1 for multiple statuses (pairing, power status, and alarm) |
| Button                | Power switch button                                        |
| Remote Update         | Cloud update                                               |
| Low Battery Detection | Yes                                                        |
| Tamper                | No                                                         |

#### Technical

|                   |                     |
|-------------------|---------------------|
| Sensor            | Water leak detector |
| Sensitivity       | Adjustable          |
| Operating Current | 28.5 uA             |
| Alarm Current     | 5.8 mA              |

#### Wireless

|                         |                                           |
|-------------------------|-------------------------------------------|
| Carrier Frequency       | 433.1 MHz–434.6 MHz                       |
| Communication Mechanism | Two-way                                   |
| Communication Distance  | Up to 800 m (2624.67 ft) in an open space |
| Encryption Mode         | AES128                                    |
| Frequency Hopping       | Yes                                       |

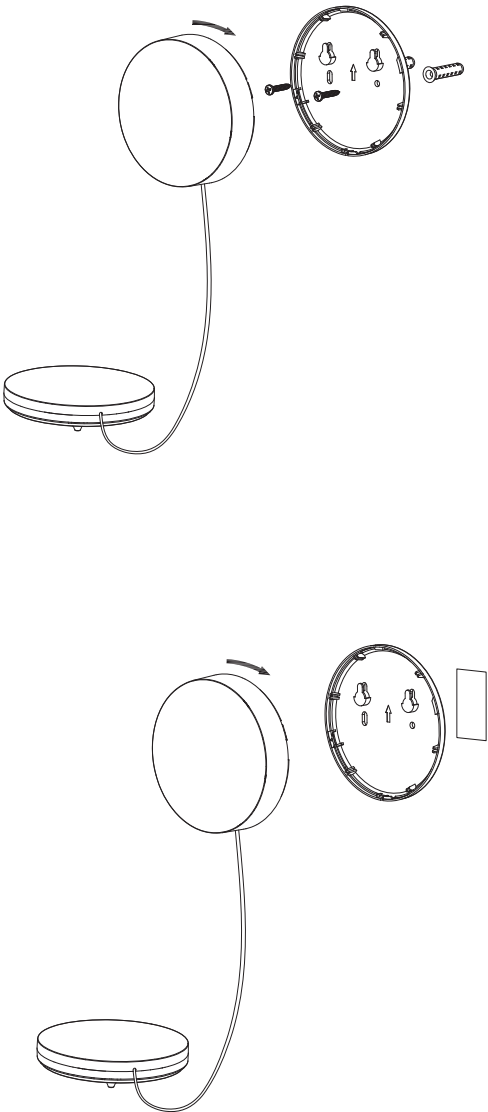
### General

|                       |                                                      |
|-----------------------|------------------------------------------------------|
| Power Supply          | CR123A × 1                                           |
| Battery Life          | 3 years when triggered once a day.                   |
| Power Consumption     | Max 144 mW                                           |
| Operating Temperature | Indoor: −10 °C to +55 °C (+14 °F to +131 °F)         |
| Operating Humidity    | 10%–90% (RH)                                         |
| Storage Temperature   | −10 °C to +55 °C (+14 °F to +131 °F)                 |
| Storage Humidity      | 10%–90% (RH)                                         |
| Product Dimensions    | 84.7 mm × 84.7 mm × 32.5 mm (3.33" × 3.33" × 1.28")  |
| Packaging Dimensions  | 135.0 mm × 98.0 mm × 56.0 mm (5.32" × 3.86" × 2.20") |
| Net Weight            | 0.1 kg (0.22 lb)                                     |
| Gross Weight          | 0.2 kg (0.44 lb)                                     |
| Installation          | Plane mount, wall mount                              |
| Casing Material       | PC + ABS                                             |
| Protection            | IPX5                                                 |
| Certifications        | CE, FCC                                              |

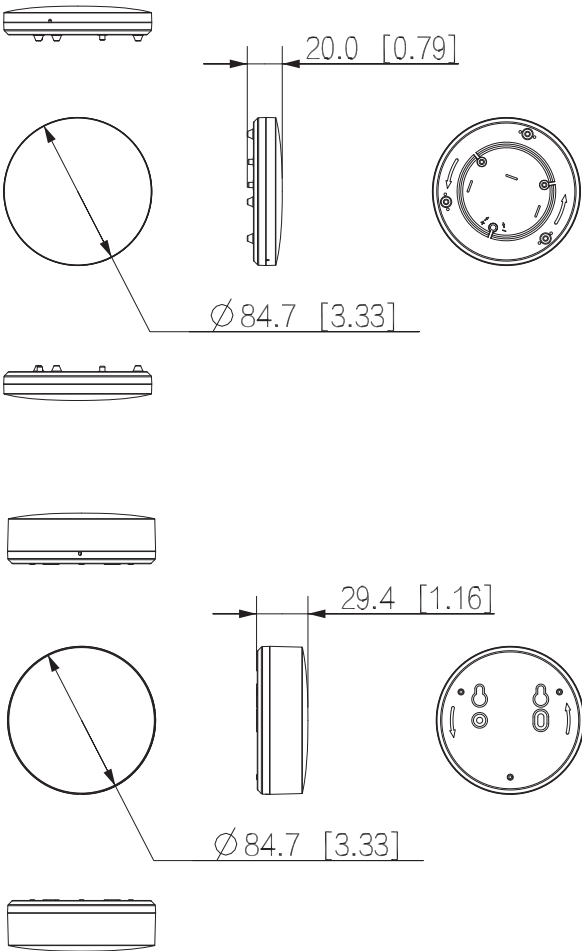
### Ordering Information

| Type                         | Part Number      | Description                  |
|------------------------------|------------------|------------------------------|
| Wireless Water Leak Detector | DHI-ARD912-W2(D) | Wireless Water Leak Detector |

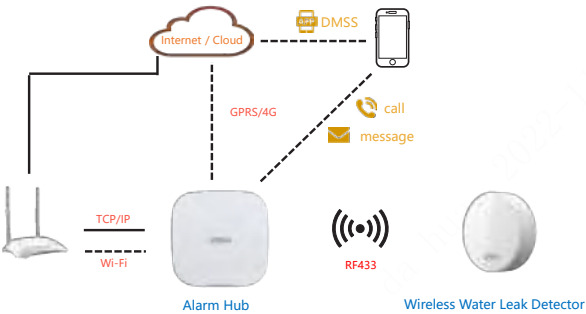
Installation



Dimensions (mm[inch])



Application



# DHI-ARD912-W2

## Wireless Water Leak Detector



### System Overview

Wireless Water Leak Detector can be used to detect water leaks in indoor pipes, baths, sinks, washing machines, and dishwashers. It triggers alarms and sends timely notifications to keep you up to date on ongoing events. Hassle free, it is easy to install and does not require wiring. It also provides communication security, supporting the use of wireless communication with encryption technology.

### Technical Specification

#### Function

|                       |                                                            |
|-----------------------|------------------------------------------------------------|
| Indicator Light       | 1 for multiple statuses (pairing, power status, and alarm) |
| Button                | Power switch button                                        |
| Remote Update         | Cloud update                                               |
| Low Battery Detection | Yes                                                        |
| Tamper                | No                                                         |

#### Technical

|                   |                     |
|-------------------|---------------------|
| Sensor            | Water leak detector |
| Sensitivity       | Adjustable          |
| Operating Current | 28.5 uA             |
| Alarm Current     | 5.8 mA              |

#### Wireless

|                         |                                           |
|-------------------------|-------------------------------------------|
| Carrier Frequency       | 433.1 MHz–434.6 MHz                       |
| Communication Mechanism | Two-way                                   |
| Communication Distance  | Up to 800 m (2624.67 ft) in an open space |
| Encryption Mode         | AES128                                    |
| Frequency Hopping       | Yes                                       |

- Frequency hopping and two-way communication technology ensure that communication is stable.
- Supports jamming detection and communication encryption.
- Supports cloud update and automatically restores when cloud update fails.
- Displays the temperature of the surrounding environment and supports the overheating alarm.
- Sensitivity adjustment.

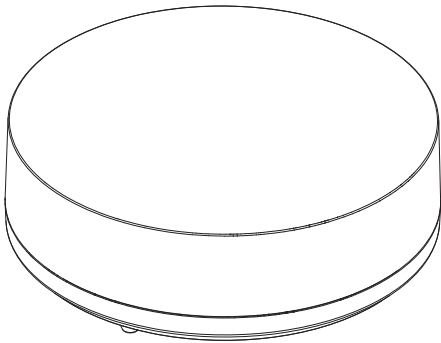
### General

|                       |                                                      |
|-----------------------|------------------------------------------------------|
| Power Supply          | CR123A × 1                                           |
| Battery Life          | 3 years when triggered once a day.                   |
| Power Consumption     | Max 144 mW                                           |
| Operating Temperature | Indoor: -10 °C to +55 °C (+14 °F to +131 °F)         |
| Operating Humidity    | 10%–90% (RH)                                         |
| Storage Temperature   | -10 °C to +55 °C (+14 °F to +131 °F)                 |
| Storage Humidity      | 10%–90% (RH)                                         |
| Product Dimensions    | 84.7 mm × 84.7 mm × 32.5 mm (3.33" × 3.33" × 1.28")  |
| Packaging Dimensions  | 135.0 mm × 98.0 mm × 56.0 mm (5.32" × 3.86" × 2.20") |
| Net Weight            | 0.1 kg (0.22 lb)                                     |
| Gross Weight          | 0.2 kg (0.44 lb)                                     |
| Installation          | Plane mount                                          |
| Casing Material       | PC + ABS                                             |
| Protection            | IPX5                                                 |
| Certifications        | CE, FCC                                              |

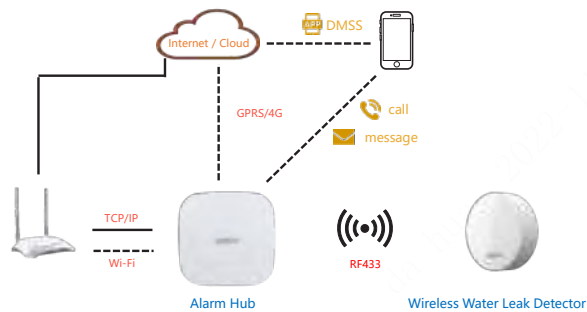
### Ordering Information

| Type                         | Part Number   | Description                  |
|------------------------------|---------------|------------------------------|
| Wireless Water Leak Detector | DHI-ARD912-W2 | Wireless Water Leak Detector |

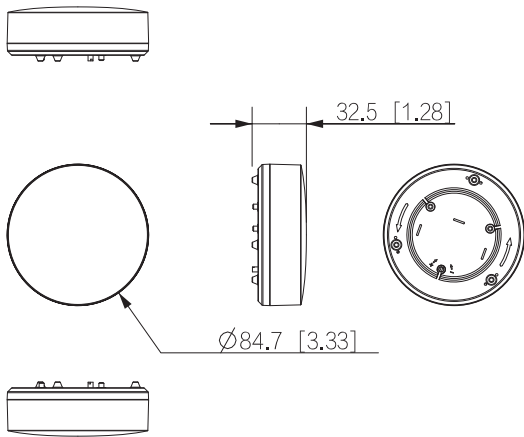
Installation



Application



Dimensions (mm[inch])



# DHI-ARD1233-W2(868)

## Wireless PIR detector



- Pet immunity function.
- Auto temperature compensation.
- 3-level sensitivity adjustment.
- Signal strength detection.
- Low battery alarm.
- Temperature measurement.
- Frequency hopping function and two-way communication technology ensure communication stability.
- Cloud update and automatic recovery from update failure.

### System Overview

Wireless PIR detector is a wireless motion detector that can detect if there is a human moving around the detector. It can detect human or large animals invading the armed area, and provides timely notifications of alarm events, acting as a monitoring mechanism.

### Scene

Mainly applied for villas, shops, apartments, etc.

### Technical Specification

#### Port

|                 |                           |
|-----------------|---------------------------|
| Indicator Light | 1 × green alarm indicator |
| Button          | 1 × power button          |

#### Function

|                   |                           |
|-------------------|---------------------------|
| Tamper Alarm      | Yes                       |
| Remote Upgrade    | Cloud update              |
| Search            | Signal strength detection |
| Test Mode         | Yes                       |
| Low Battery Alarm | Yes                       |

#### Wireless

|                         |                                              |
|-------------------------|----------------------------------------------|
| Carrier Frequency       | 868.0 MHz~868.6 MHz                          |
| Communication Distance  | Up to 1,600 m (5,249.34 ft) in an open space |
| Communication Mechanism | Two-way                                      |
| Encryption Mode         | AES128                                       |

|                   |     |
|-------------------|-----|
| Frequency Hopping | Yes |
|-------------------|-----|

### General

|                       |                                                                  |
|-----------------------|------------------------------------------------------------------|
| Power Supply          | CR123A battery                                                   |
| Power Consumption     | Max. 120 mW                                                      |
| Operating Temperature | -10 °C to +55 °C (+14 °F to +131 °F) (indoor)                    |
| Operating Humidity    | 10%~90% (RH).                                                    |
| Dimensions            | 104.0 mm × 60.0 mm × 50.0 mm (4.09" × 2.36" × 1.97") (L × W × H) |
| Package Dimensions    | 135.0 mm × 98.5 mm × 56.8 mm (5.31" × 3.88" × 2.24") (L × W × H) |
| Installation Mode     | Wall mount                                                       |
| Net Weight            | 100 g (0.22 lb)                                                  |
| Gross Weight          | 170 g (0.37 lb)                                                  |
| Certifications        | CE                                                               |
| Battery Life          | 4 years                                                          |
| Casing                | PC + ABS                                                         |

### Temperature

|                     |                                                 |
|---------------------|-------------------------------------------------|
| Measuring Range     | -15 °C to +65 °C (+18.8 °F to +149 °F) (indoor) |
| Measuring Precision | ± 1 °C (± 33.8 °F)                              |
| Resolution          | 1 °C (33.8 °F)                                  |

### Specification

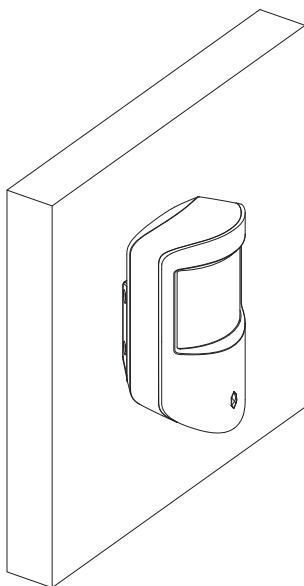
|                |                                   |
|----------------|-----------------------------------|
| Detection Mode | PIR                               |
| Sensor         | Dual-element low-noise PIR sensor |

|                                          |                                                                   |
|------------------------------------------|-------------------------------------------------------------------|
| Detection Range                          | 12 m (39.37 ft) (90°) with installation height of 2.2 m (7.21 ft) |
| Detection Speed                          | 0.3 m/s–3 m/s (0.98 ft/s–9.84 ft/s)                               |
| Pet Immunity Level                       | ≤ 18 kg (39.68 lb)                                                |
| White Light Resistance Level             | 2000 lx                                                           |
| Two-way Digital Temperature Compensation | Yes, no attenuation of detection distance in high temperature     |
| Sensitivity                              | 3 levels adjustable                                               |

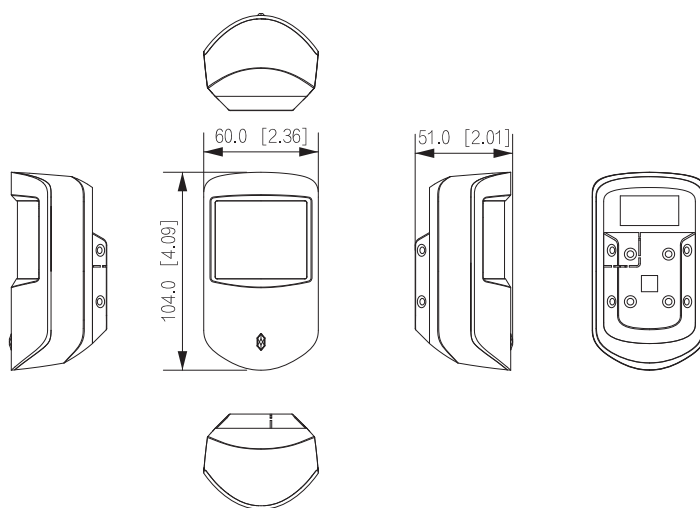
### Ordering Information

| Type                  | Part Number         | Description           |
|-----------------------|---------------------|-----------------------|
| Wireless PIR detector | DHI-ARD1233-W2(868) | Wireless PIR detector |

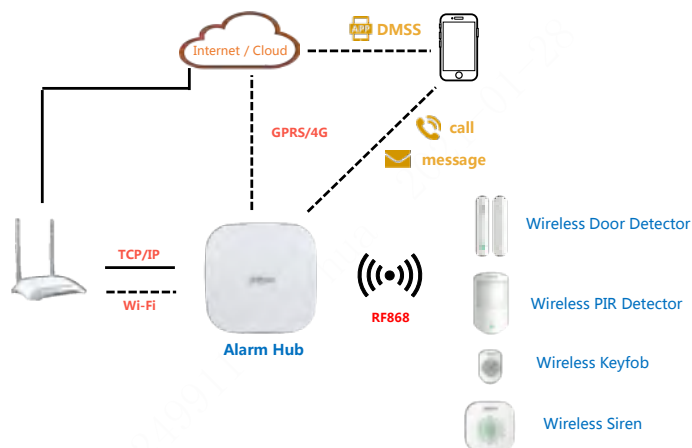
### Installation



### Dimensions (mm[inch])



### Application



# DHI-ARD1233-W2

## Wireless PIR detector



- Pet immunity function.
- Auto temperature compensation.
- 3-level sensitivity adjustment.
- Low battery alarm.
- Anti-tampering.
- Temperature measurement.
- Frequency hopping function and two-way communication technology ensure communication stability.
- Cloud update and automatic recovery from update failure.

### System Overview

Wireless PIR detector is a wireless motion detector that can detect if there is a human moving around the detector. It can detect human or large animals invading the armed area, and provides timely notifications of alarm events, acting as a monitoring mechanism.

### Scene

Mainly applied for villas, shops, apartments, etc.

### Technical Specification

#### Port

|                 |                           |
|-----------------|---------------------------|
| Indicator Light | 1 × green alarm indicator |
| Button          | 1 × power button          |

#### Function

|                   |                           |
|-------------------|---------------------------|
| Tamper Alarm      | Yes                       |
| Remote Upgrade    | Cloud update              |
| Search            | Signal strength detection |
| Test Mode         | Yes                       |
| Low Battery Alarm | Yes                       |

#### Wireless

|                         |                                              |
|-------------------------|----------------------------------------------|
| Carrier Frequency       | 433.1 MHz–434.6 MHz                          |
| Communication Distance  | Up to 1,200 m (3,937.01 ft) in an open space |
| Communication Mechanism | Two-way                                      |
| Encryption Mode         | AES128                                       |

|                   |     |
|-------------------|-----|
| Frequency Hopping | Yes |
|-------------------|-----|

#### General

|                       |                                                                  |
|-----------------------|------------------------------------------------------------------|
| Power Supply          | CR123A battery                                                   |
| Power Consumption     | Max. 75 mW                                                       |
| Operating Temperature | −10 °C to +55 °C (+14 °F to +131 °F) (indoor)                    |
| Operating Humidity    | 10%–90% (RH).                                                    |
| Product Dimensions    | 104.0 mm × 60.0 mm × 50.0 mm (4.09" × 2.36" × 1.97") (L × W × H) |
| Packaging Dimensions  | 135.0 mm × 98.5 mm × 56.8 mm (5.31" × 3.88" × 2.24") (L × W × H) |
| Installation          | Wall mount                                                       |
| Net Weight            | 100 g (0.22 lb)                                                  |
| Gross Weight          | 170 g (0.37 lb)                                                  |
| Certifications        | CE                                                               |
| Battery Life          | 4 years                                                          |
| Casing                | PC + ABS                                                         |

#### Temperature

|                     |                                                 |
|---------------------|-------------------------------------------------|
| Measuring Range     | −15 °C to +65 °C (+18.8 °F to +149 °F) (indoor) |
| Measuring Precision | ± 1 °C (± 33.8 °F)                              |
| Resolution          | 1 °C (33.8 °F)                                  |

#### Specification

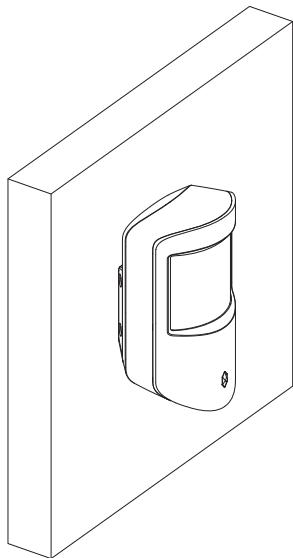
|                |                                   |
|----------------|-----------------------------------|
| Detection Mode | PIR                               |
| Sensor         | Dual-element low-noise PIR sensor |

|                                          |                                                                   |
|------------------------------------------|-------------------------------------------------------------------|
| Detection Range                          | 12 m (39.37 ft) (90°) with installation height of 2.2 m (7.21 ft) |
| Detection Speed                          | 0.3 m/s–3 m/s (0.98 ft/s–9.84 ft/s)                               |
| Pet Alarm Level                          | ≤ 18 kg (39.68 lb)                                                |
| Pet Immunity Level                       | 2000 lx                                                           |
| Two-way Digital Temperature Compensation | Yes, no attenuation of detection distance in high temperature     |
| Sensitivity                              | 3 levels adjustable                                               |

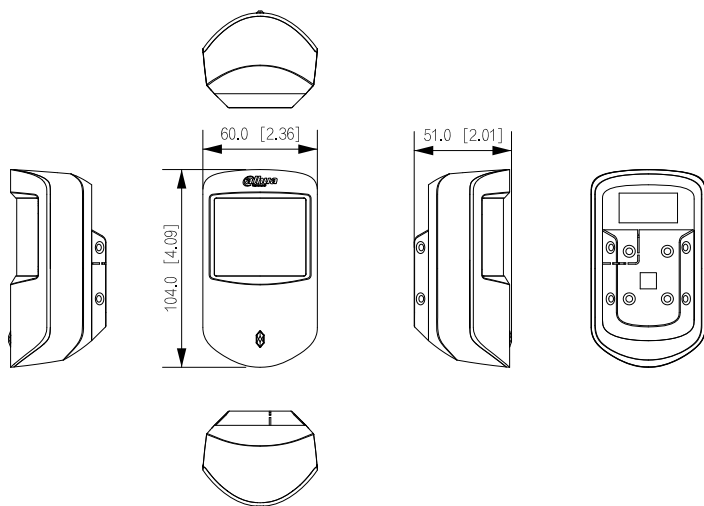
### Ordering Information

| Type                  | Model          | Description           |
|-----------------------|----------------|-----------------------|
| Wireless PIR detector | DHI-ARD1233-W2 | Wireless PIR detector |

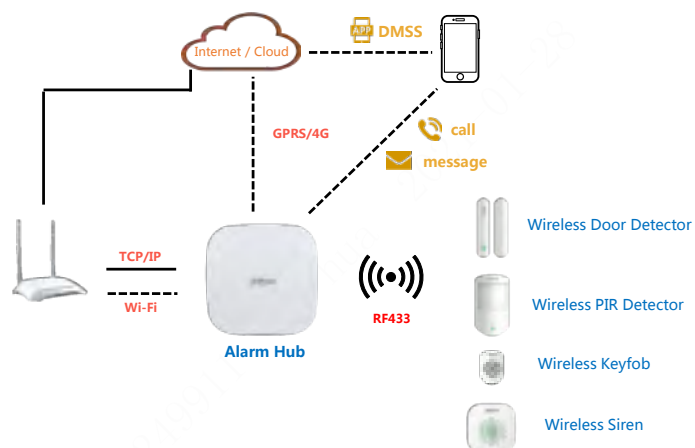
### Installation



### Dimensions (mm[inch])



### Application



## DHI-ARD1611-W

### Wireless Curtain PIR Detector



#### Features

- 10m/15° detecting range/angle
- Bi-directional communication
- Up to 700m transmission distance (open space/no interference)
- Built-in tamper switch
- Ceiling/Wall mount, 2.2~2.5m installation height
- Two level (sensitivity)
- 3 years battery life
- ABS plastic

#### Technical Specifications

| Model                     | DHI-ARD1611-W                                    |
|---------------------------|--------------------------------------------------|
| Name                      | Wireless Curtain PIR Detector                    |
| Detection                 | Passive infrared                                 |
| Detection Range           | 10m, 15°                                         |
| Alarm prompt              | Notification LED light, can be set to switch off |
| Sensitivity               | Two level (jumper switch)                        |
| Wireless Frequency        | 433MHz                                           |
| Transmit power            | 10dBm                                            |
| Transmit distance         | 700m (open area/no interference)                 |
| Resistance light          | 6500LUX                                          |
| Tamper                    | Unit protection and leaving-wall protection      |
| Power                     | 1xCR123A battery, 3V 40mA                        |
| Working environment       | -10°C~+50°C, humidity <95°                       |
| Overall dimensions\weight | 99mmx52mmx35mm\ 0.1kg                            |
| Installation height       | Ceiling/Wall mount, 2.2-2.5m                     |

# DHI-ARD1611-W

## Product Appearance

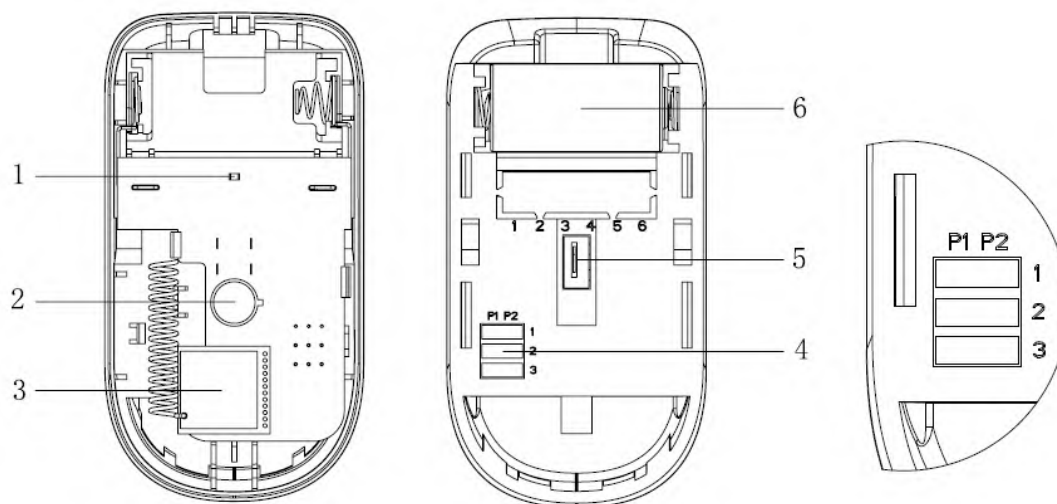
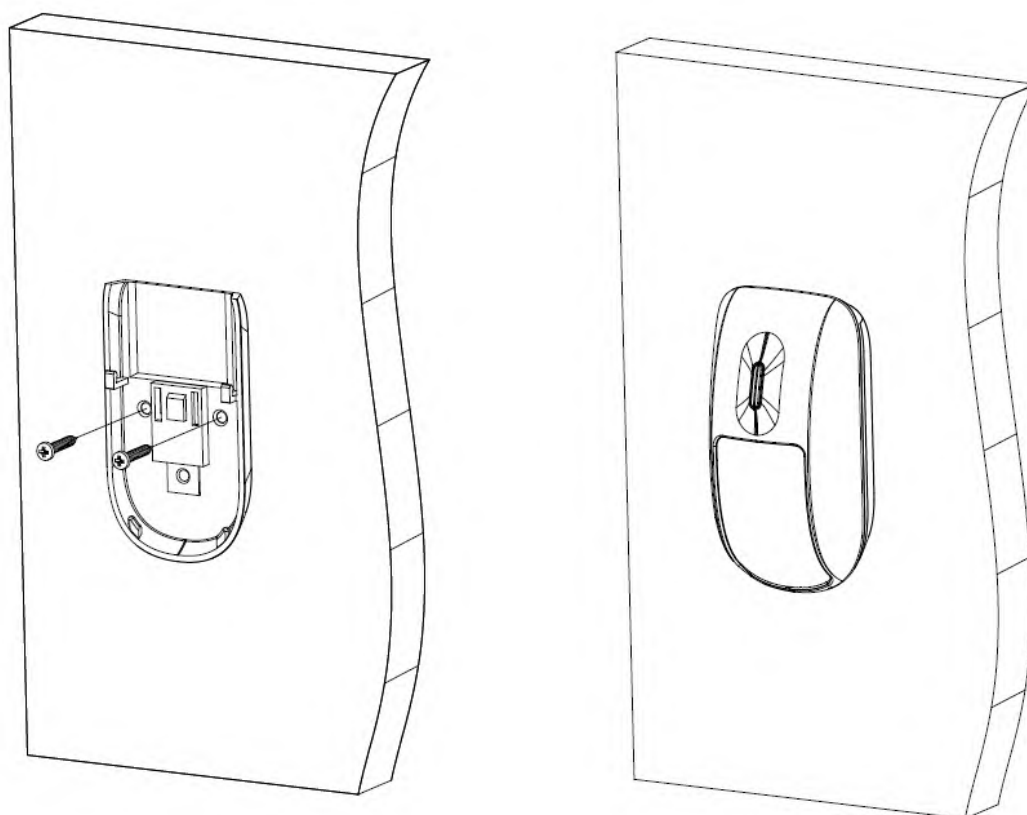


Figure 3- 1

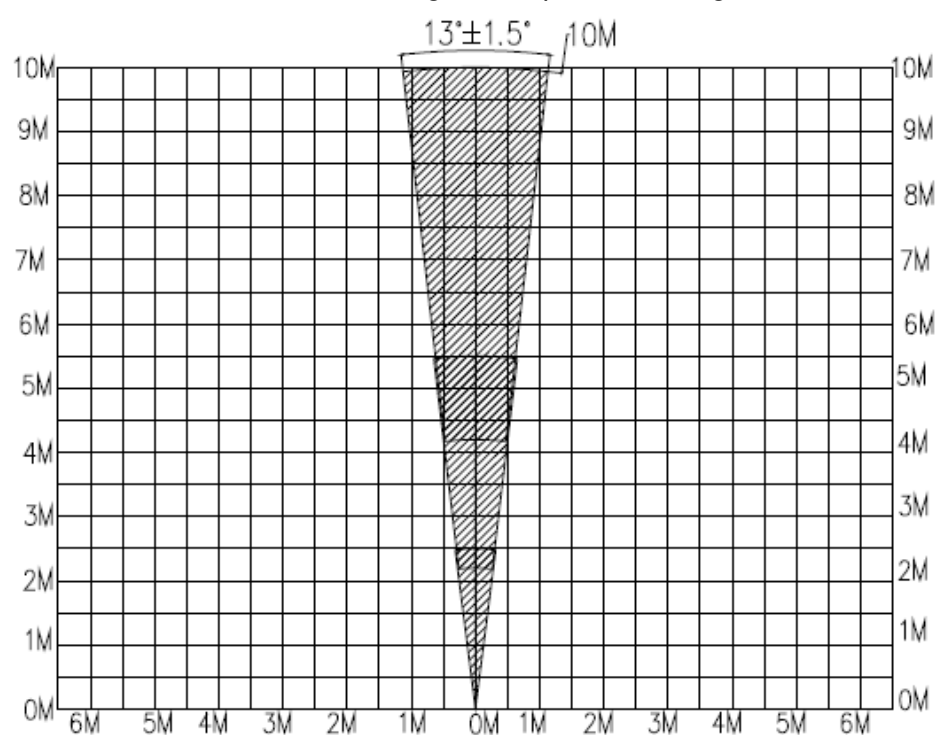
| No. | Note                     |
|-----|--------------------------|
| 1   | ● Led                    |
| 2   | ● Heat release IR sensor |
| 3   | ● Wireless module        |
| 4   | ● Jumper cap             |
| 5   | ● Vandal-proof switch    |
| 6   | ● Lithium battery        |

## DHI-ARD1611-W

### Installation and detecting range



The detector has a detectable range, the top view is in Figure 5- 1. Detection angle is horizontal 15°.



## DHI-ARD1611-W

Figure 5- 1

The side view of detectable range is in Figure 5- 2. Max detectable distance is 10 meters and min detectable distance is 1 meter.

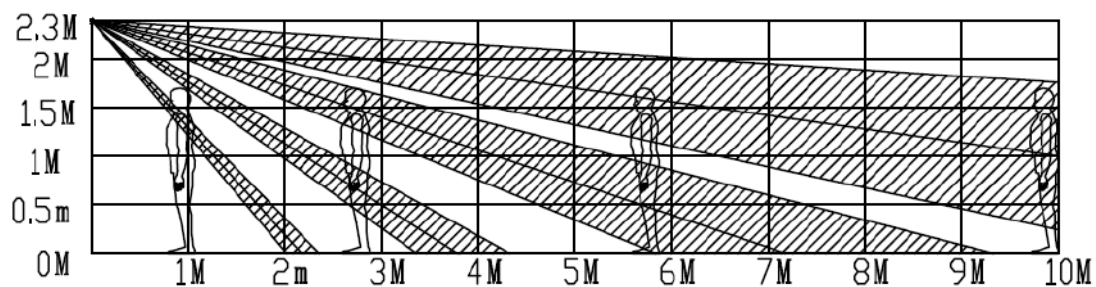


Figure 5- 2

# DHI-ARD1731-W2(868)

## Wireless PIR-Camera



- Maximum resolution 1600\*1200.
- Based on the RF-HD image transmission technology, transmission of 6 HD images with resolution of 1600\*1200 needs up to 10 seconds.
- One-week cloud cache for videos and images.
- Temperature monitoring.
- Offers frequency hopping and two-way communication technology, ensuring the stability of communication.
- Cloud update and automatic recovery from update failure.

### System Overview

With its built-in 2 MP CMOS image sensor, PIR-Camera captures high-definition snapshots when it detects intrusions, transmitting them to the alarm hub, where they are then sent to the mobile app or alarm center (CMS/ARC) for you to perform visual alarm verification. The camera harnesses 2.4G RF-HD transmission technology to improve the resolution of images and the speed they are transmitted at. Built to keep you safe, the camera actively protects your privacy by only taking snapshots when an intrusion occurs.

### Scene

Wireless PIR-Camera is ideal for use in villas, apartments and office buildings.

### Technical Specification

#### Video

|                    |                                               |
|--------------------|-----------------------------------------------|
| Field of View      | 88° (H); 68° (V)                              |
| Image Type         | JPEG                                          |
| Resolution         | 1600 × 1200; 1280 × 960; 640 × 480; 320 × 240 |
| Frame Rate         | 2                                             |
| Illumination Mode  | Infrared Light                                |
| Illumination Range | 12 m (39.37 ft)                               |
| Day/Night Switch   | Color/Black & White                           |

#### Function

|                       |                           |
|-----------------------|---------------------------|
| Indicator Light       | 1 × green alarm indicator |
| Button                | 1 × power switch          |
| Remote Update         | Cloud update              |
| Low Battery Detection | Yes                       |
| Battery Level Display | Yes                       |

|                 |                                     |
|-----------------|-------------------------------------|
| Tamper          | Tamper alarm                        |
| Signal Strength | RF Signal test<br>RF-HD signal test |

#### Technical

|                                          |                                                                     |
|------------------------------------------|---------------------------------------------------------------------|
| Detection Mode                           | PIR                                                                 |
| Sensitivity                              | 3 levels adjustable                                                 |
| Detection Range                          | 12 m (39.37 ft) (86°) with installation height of 2.2 m (7.22 ft)   |
| Detection Speed                          | 0.3 m/s–3 m/s (0.98 ft/s–9.84 ft/s)                                 |
| Pet Immunity Level                       | ≤18 kg (39.68 lb)                                                   |
| White Light Resistance Level             | 2000 lux                                                            |
| Two-way Digital Temperature Compensation | Yes                                                                 |
| Scenario                                 | Indoor                                                              |
| Operating Current                        | 65 μA                                                               |
| Alarm Current                            | Day: 170 mA (Avg); 800 mA (Max)<br>Night: 230 mA (Avg); 2.8 A (Max) |

#### Wireless

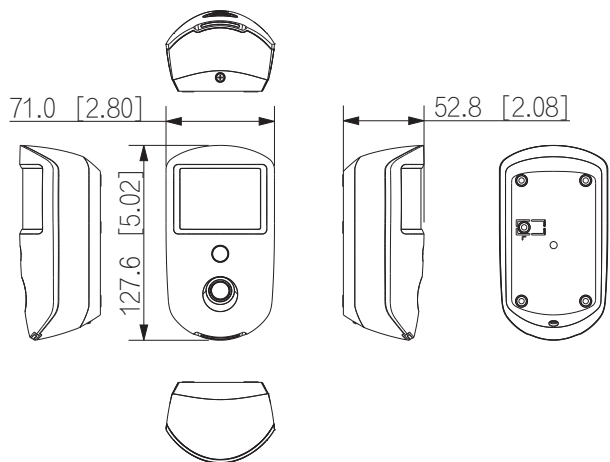
|                         |                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------|
| Carrier Frequency       | RF: 868.0 MHz–868.6 MHz<br>RF-HD: 2.4GHz                                                            |
| Communication Distance  | RF: Up to 1,600 m (5,249.34 ft) in an open space<br>RF-HD: Up to 300 m (984.25 ft) in an open space |
| Communication Mechanism | Two-way                                                                                             |
| Frequency Hopping       | Yes                                                                                                 |
| Encryption Mode         | AES128                                                                                              |

#### General

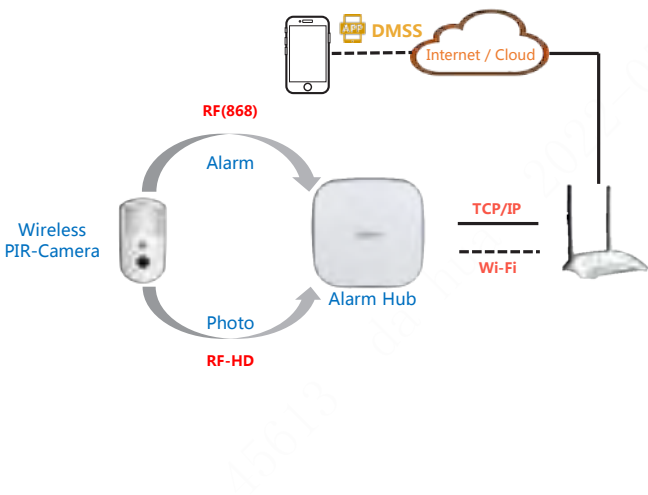
|              |                                                                      |
|--------------|----------------------------------------------------------------------|
| Power Supply | CR123A*3                                                             |
| Battery Life | 4 years (if triggered twice a week with a battery efficiency of 70%) |

|                       |                                                       |
|-----------------------|-------------------------------------------------------|
| Operating Temperature | −10 °C to +55 °C (+14 °F to +131 °F) (indoor)         |
| Operating Humidity    | 10%–90% (RH)                                          |
| Product Dimensions    | 127.6 mm × 71.0 mm × 53.2 mm (5.02" × 2.80" × 2.09")  |
| Packaging Dimensions  | 121.0 mm × 65.0 mm × 170.0 mm (4.76" × 2.56" × 6.69") |
| Net Weight            | 202 g (0.45 lb)                                       |
| Gross Weight          | 333 g (0.73 lb)                                       |
| Installation          | Wall mount                                            |
| Casing                | PC + ABS                                              |
| Certifications        | CE                                                    |

Dimensions (mm[inch])

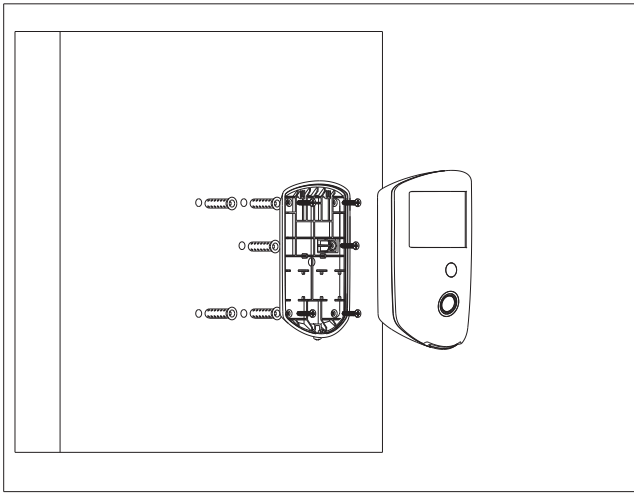


Application



| Ordering Information |                     |                     |
|----------------------|---------------------|---------------------|
| Type                 | Model               | Description         |
| Wireless PIR-Camera  | DHI-ARD1731-W2(868) | Wireless PIR-Camera |

Installation



# DHI-ARD1731-W2

## Wireless PIR-Camera



### System Overview

With its built-in 2 MP CMOS image sensor, PIR-Camera captures high-definition snapshots when it detects intrusions, transmitting them to the alarm hub, where they are then sent to the mobile app or alarm center (CMS/ARC) for you to perform visual alarm verification. The camera harnesses 2.4G RF-HD transmission technology to improve the resolution of images and the speed they are transmitted at. Built to keep you safe, the camera actively protects your privacy by only taking snapshots when an intrusion occurs.

### Scene

Wireless PIR-Camera is ideal for use in villas, apartments and office buildings.

### Technical Specification

#### Video

|                    |                                               |
|--------------------|-----------------------------------------------|
| Field of View      | 88° (H);68° (V)                               |
| Image Type         | JPEG                                          |
| Resolution         | 1600 × 1200; 1280 × 960; 640 × 480; 320 × 240 |
| Frame Rate         | 2                                             |
| Illumination Mode  | Infrared Light                                |
| Illumination Range | 12 m (39.37 ft)                               |
| Day/Night Switch   | Color/Black & White                           |

#### Function

|                       |                           |
|-----------------------|---------------------------|
| Indicator Light       | 1 × green alarm indicator |
| Button                | 1 × power switch          |
| Remote Update         | Cloud update              |
| Low Battery Detection | Yes                       |
| Battery Level Display | Yes                       |

- Maximum resolution 1600\*1200.
- Based on the RF-HD image transmission technology, transmission of 6 HD images with resolution of 1600\*1200 needs up to 10 seconds.
- One-week cloud cache for videos and images.
- Temperature monitoring.
- Offers frequency hopping and two-way communication technology, ensuring the stability of communication.
- Cloud update and automatic recovery from update failure.

|                 |                                     |
|-----------------|-------------------------------------|
| Tamper          | Tamper alarm                        |
| Signal Strength | RF Signal test<br>RF-HD signal test |

#### Technical

|                                          |                                                                     |
|------------------------------------------|---------------------------------------------------------------------|
| Detection Mode                           | PIR                                                                 |
| Sensitivity                              | 3 levels adjustable                                                 |
| Detection Range                          | 12 m (39.37 ft) (86°) with installation height of 2.2 m (7.22 ft)   |
| Detection Speed                          | 0.3 m/s–3 m/s (0.98 ft/s–9.84 ft/s)                                 |
| Pet Immunity Level                       | ≤18 kg (39.68 lb)                                                   |
| White Light Resistance Level             | 2000 lux                                                            |
| Two-way Digital Temperature Compensation | Yes                                                                 |
| Scenario                                 | Indoor                                                              |
| Operating Current                        | 65 μA                                                               |
| Alarm Current                            | Day: 170 mA (Avg); 800 mA (Max)<br>Night: 230 mA (Avg); 2.8 A (Max) |

#### Wireless

|                         |                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------|
| Carrier Frequency       | RF:433.1 MHz–434.6 MHz<br>RF-HD:2.4GHz                                                              |
| Communication Distance  | RF: Up to 1,200 m (3,937.01 ft) in an open space<br>RF-HD: Up to 300 m (984.25 ft) in an open space |
| Communication Mechanism | Two-way                                                                                             |
| Frequency Hopping       | Yes                                                                                                 |
| Encryption Mode         | AES128                                                                                              |

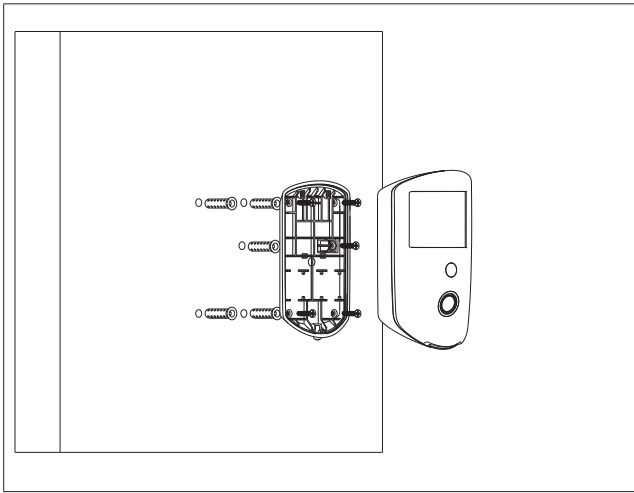
#### General

|              |                                                                      |
|--------------|----------------------------------------------------------------------|
| Power Supply | CR123A*3                                                             |
| Battery Life | 4 years (if triggered twice a week with a battery efficiency of 70%) |

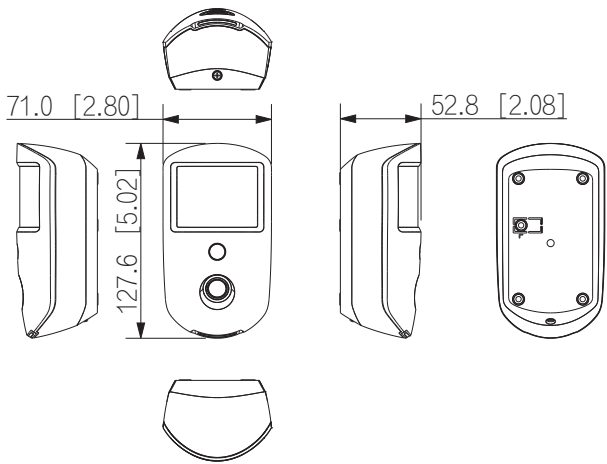
|                       |                                                       |
|-----------------------|-------------------------------------------------------|
| Operating Temperature | −10 °C to +55 °C (+14 °F to +131 °F) (indoor)         |
| Operating Humidity    | 10%–90% (RH)                                          |
| Product Dimensions    | 127.6 mm × 71.0 mm × 53.2 mm (5.02" × 2.80" × 2.09")  |
| Packaging Dimensions  | 121.0 mm × 65.0 mm × 170.0 mm (4.76" × 2.56" × 6.69") |
| Net Weight            | 202 g (0.45 lb)                                       |
| Gross Weight          | 333 g (0.73 lb)                                       |
| Installation          | Wall mount                                            |
| Casing                | PC + ABS                                              |
| Certifications        | CE; FCC                                               |

| Ordering Information |                |                     |
|----------------------|----------------|---------------------|
| Type                 | Model          | Description         |
| Wireless PIR-Camera  | DHI-ARD1731-W2 | Wireless PIR-Camera |

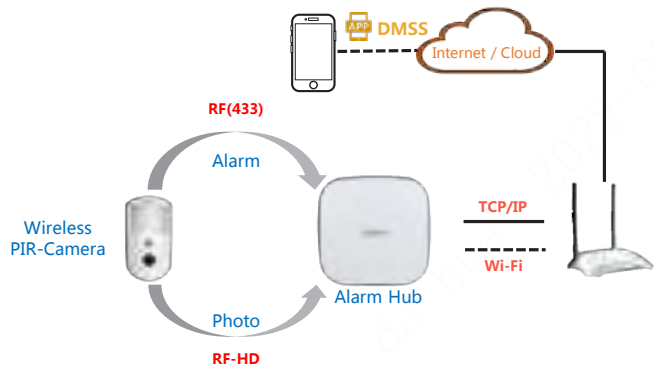
Installation



Dimensions (mm[inch])



Application



# DHI-ARD2231-W2(868)

## Wireless Dual-Tech Detector



### System Overview

Wireless Dual-Tech Detector is an indoor detector that detects human motion. Using passive IR and microwave detection technologies, the device detects the movement of persons and senses when they have entered the detection area. Through these technologies, false detections caused by thermal interference are also greatly reduced. The device is easy to install and use, and can be directly configured on the app.

### Technical Specification

#### Function

|                               |                                             |
|-------------------------------|---------------------------------------------|
| Indicator Light               | 1 × green alarm indicator                   |
| Button                        | 1 × power switch                            |
| Remote Update                 | Cloud update                                |
| Low Battery Detection         | Yes                                         |
| Tamper                        | Yes                                         |
| Measuring Range (Temperature) | Indoor: -15 °C to +65 °C (+5 °F to +149 °F) |
| Measuring Accuracy            | ±1 °C (±1.8 °F)                             |

#### Technical

|                     |                                                                   |
|---------------------|-------------------------------------------------------------------|
| Sensor              | Dual-element low-noise PIR sensor, microwave sensor               |
| Detection Mode      | PIR + Microwave                                                   |
| Sensitivity         | 3 levels adjustable                                               |
| Detection Range     | 12 m (39.37 ft) (90°) with installation height of 2.2 m (7.21 ft) |
| Detection Speed     | 0.3 m/s–3 m/s (0.98 ft/s–9.84 ft/s)                               |
| Microwave Frequency | 24 G                                                              |
| Pet Immunity Level  | ≤ 18 kg (39.68 lb), height < 50 cm (19.68 ft)                     |

- Pet immunity function.
- Auto temperature compensation.
- 3-level sensitivity adjustment.
- Displays the temperature of the surrounding environment and supports the overheating alarm.
- Frequency hopping and two-way communication technology ensure that communication is stable.
- Supports cloud update and automatically restores when cloud update fails.
- PIR and microwave motion detection.
- Supports jamming detection and communication encryption.

|                                          |                                                                |
|------------------------------------------|----------------------------------------------------------------|
| White Light Resistance Level             | 2000 lux                                                       |
| Two-way Digital Temperature Compensation | Yes, no attenuation of detection distance in high temperature. |
| Test Mode                                | Yes                                                            |
| Operating Current                        | 11 uA                                                          |
| Alarm Current                            | 71 mA                                                          |

#### Wireless

|                         |                                              |
|-------------------------|----------------------------------------------|
| Carrier Frequency       | 868.0 MHz–868.6 MHz                          |
| Communication Mechanism | Two-way                                      |
| Communication Distance  | Up to 1,600 m (5,249.34 ft) in an open space |
| Encryption Mode         | AES128                                       |
| Frequency Hopping       | Yes                                          |

#### General

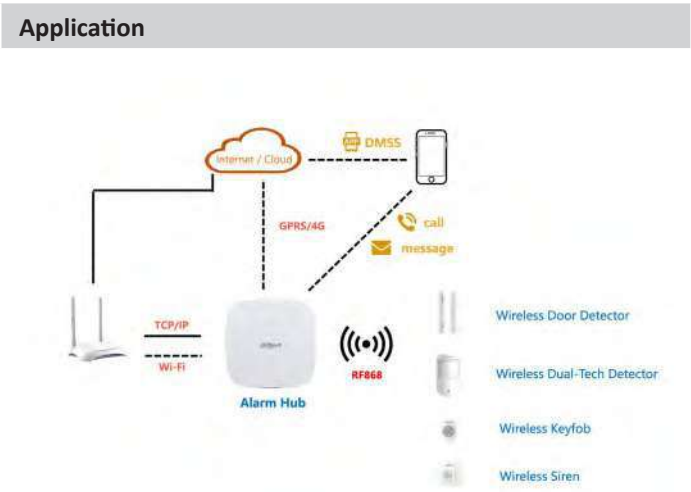
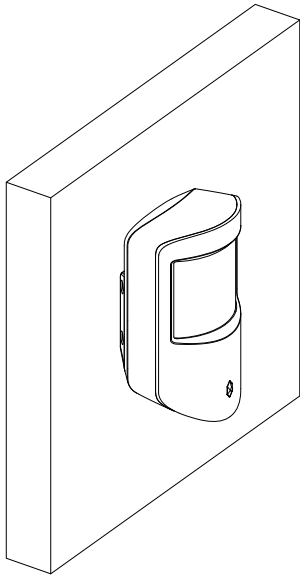
|                       |                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------|
| Power Supply          | CR123A × 1                                                                                                  |
| Battery Life          | 3 years (If triggered 10 times a day with a battery efficiency of 70%)                                      |
| Power Consumption     | Max. 615 mW                                                                                                 |
| Operating Temperature | Indoor: -10 °C to +55 °C (+14 °F to +131 °F)<br>Certified temperature: -10 °C to +40 °C (+14 °F to +104 °F) |
| Operating Humidity    | 10%–90% (RH)                                                                                                |
| Product Dimensions    | 104.0 mm × 60.0 mm × 50.0 mm (4.09" × 2.36" × 1.97")                                                        |
| Packaging Dimensions  | 135.0 mm × 98.5 mm × 56.8 mm (5.31" × 3.88" × 2.24")                                                        |
| Net Weight            | 106 g (0.23 lb)                                                                                             |
| Gross Weight          | 184 g (0.41 lb)                                                                                             |

# Wireless Dual-Tech Detector | DHI-ARD2231-W2(868)

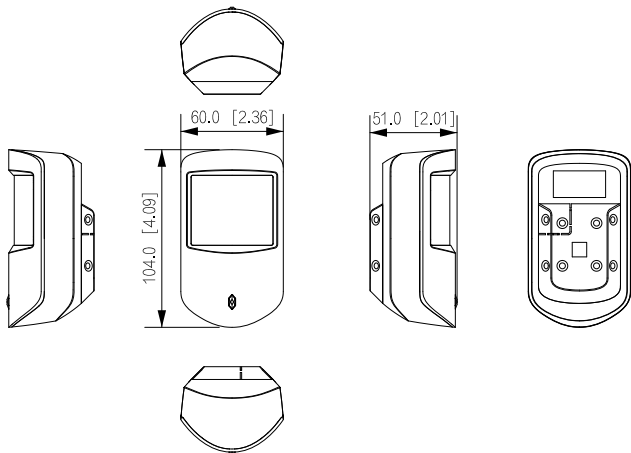
|                 |                                                    |
|-----------------|----------------------------------------------------|
| Installation    | Wall mount, Ceiling mount (With the bracket ARA33) |
| Casing Material | PC + ABS                                           |
| Certifications  | CE                                                 |

| Ordering Information        |                     |                             |
|-----------------------------|---------------------|-----------------------------|
| Type                        | Part Number         | Description                 |
| Wireless Dual-Tech Detector | DHI-ARD2231-W2(868) | Wireless Dual-Tech Detector |

## Installation



## Dimensions (mm[inch])



# DHI-ARD2231-W2

## Wireless Dual-Tech Detector



### System Overview

Wireless Dual-Tech Detector is an indoor detector that detects human motion. Using passive IR and microwave detection technologies, the device detects the movement of persons and senses when they have entered the detection area. Through these technologies, false detections caused by thermal interference are also greatly reduced. The device is easy to install and use, and can be directly configured on the app.

### Technical Specification

#### Function

|                               |                                             |
|-------------------------------|---------------------------------------------|
| Indicator Light               | 1 × green alarm indicator                   |
| Button                        | 1 × power switch                            |
| Remote Update                 | Cloud update                                |
| Low Battery Detection         | Yes                                         |
| Tamper                        | Yes                                         |
| Measuring Range (Temperature) | Indoor: -15 °C to +65 °C (+5 °F to +149 °F) |
| Measuring Accuracy            | ±1 °C (±1.8 °F)                             |

#### Technical

|                              |                                                                   |
|------------------------------|-------------------------------------------------------------------|
| Sensor                       | Dual-element low-noise PIR sensor, microwave sensor               |
| Detection Mode               | PIR + Microwave                                                   |
| Sensitivity                  | 3 levels adjustable                                               |
| Detection Range              | 12 m (39.37 ft) (90°) with installation height of 2.2 m (7.21 ft) |
| Detection Speed              | 0.3 m/s–3 m/s (0.98 ft/s–9.84 ft/s)                               |
| Microwave Frequency          | 24 G                                                              |
| Pet Immunity Level           | ≤ 18 kg (39.68 lb), height < 50 cm (19.68 ft)                     |
| White Light Resistance Level | 2000 lux                                                          |

- Pet immunity function.
- Auto temperature compensation.
- 3-level sensitivity adjustment.
- Displays the temperature of the surrounding environment and supports the overheating alarm.
- Frequency hopping and two-way communication technology ensure that communication is stable.
- Supports cloud update and automatically restores when cloud update fails.
- PIR and microwave motion detection.
- Supports jamming detection and communication encryption.

|                                          |                                                                |
|------------------------------------------|----------------------------------------------------------------|
| Two-way Digital Temperature Compensation | Yes, no attenuation of detection distance in high temperature. |
| Test Mode                                | Yes                                                            |
| Operating Current                        | 11 uA                                                          |
| Alarm Current                            | 69 mA                                                          |

#### Wireless

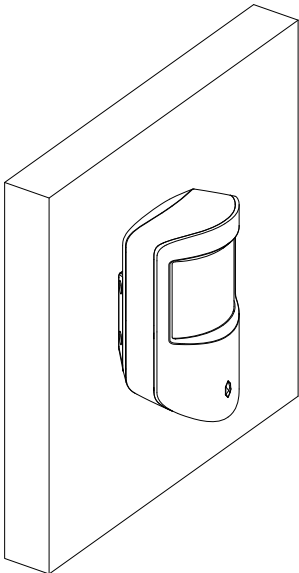
|                         |                                             |
|-------------------------|---------------------------------------------|
| Carrier Frequency       | 433.1 MHz–434.6 MHz                         |
| Communication Mechanism | Two-way                                     |
| Communication Distance  | Up to 1,200 m (3937.01 ft) in an open space |
| Encryption Mode         | AES128                                      |
| Frequency Hopping       | Yes                                         |

#### General

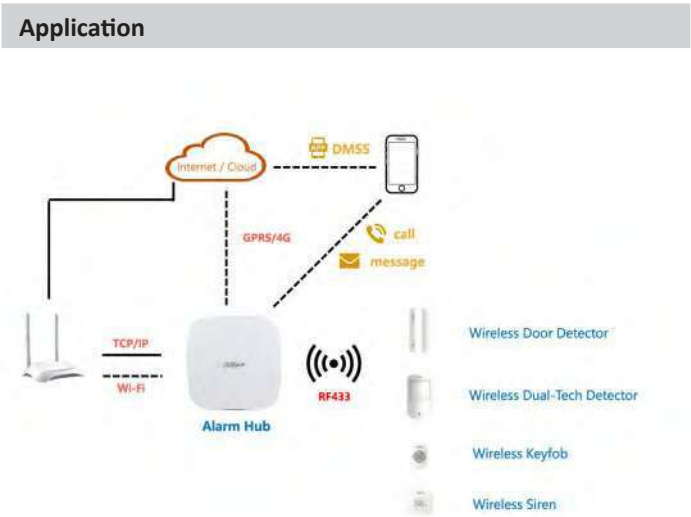
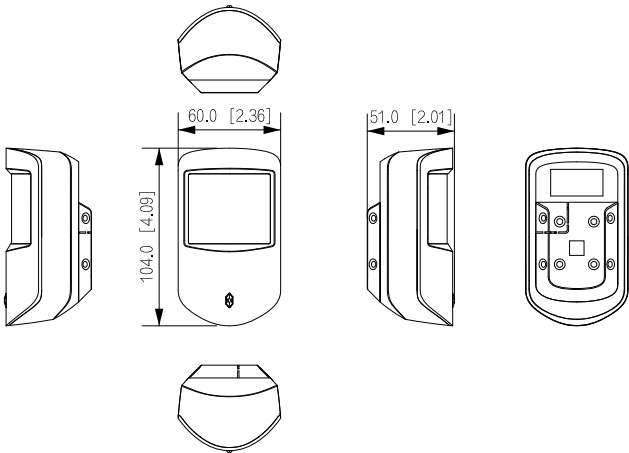
|                       |                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------|
| Power Supply          | CR123A × 1                                                                                                  |
| Battery Life          | 3 years (If triggered 10 times a day with a battery efficiency of 70%)                                      |
| Power Consumption     | Max. 640 mW                                                                                                 |
| Operating Temperature | Indoor: -10 °C to +55 °C (+14 °F to +131 °F)<br>Certified temperature: -10 °C to +40 °C (+14 °F to +104 °F) |
| Operating Humidity    | 10%–90% (RH)                                                                                                |
| Product Dimensions    | 104.0 mm × 60.0 mm × 50.0 mm (4.09" × 2.36" × 1.97")                                                        |
| Packaging Dimensions  | 135.0 mm × 98.5 mm × 56.8 mm (5.31" × 3.88" × 2.24")                                                        |
| Net Weight            | 106 g (0.23 lb)                                                                                             |
| Gross Weight          | 184 g (0.41 lb)                                                                                             |
| Installation          | Wall mount, Ceiling mount (With the bracket ARA33)                                                          |
| Casing Material       | PC + ABS                                                                                                    |
| Certifications        | CE<br>FCC                                                                                                   |

| Ordering Information        |                |                             |
|-----------------------------|----------------|-----------------------------|
| Type                        | Part Number    | Description                 |
| Wireless Dual-Tech Detector | DHI-ARD2231-W2 | Wireless Dual-Tech Detector |

Installation



Dimensions (mm[inch])



# DHI-HY-SA21A-W2(868)

## Wireless Smoke Alarm



- Split-spectrum sensor technology
- Test and silence features in one single button
- Loud sound output over 85 dB(A) at 3 meters
- Low quiescent current consumption
- Surface-mount device (SMD) circuit board design
- Low battery warning signal

### System Overview

Dahua Wireless Smoke Alarm provides battery-powered smoke detection and alarm functions within a single unit. Advanced electronics in conjunction with a photoelectric smoke sensing chamber provide early detection of smoke and high immunity against unwanted alarms. This kind of smoke alarm does not require a mains supply and is suitable for general residential applications. Timely notification of the smoke alarm can be displayed on DMSS App in real time.

### Scene

Mainly applied for villas, shops, apartments, etc.

### Technical Specification

#### Working Principle

|                 |               |
|-----------------|---------------|
| Collection Type | Smoke         |
| Sampling Period | 10 s          |
| Sensor Type     | Photoelectric |

#### Alarm

|                          |                                               |
|--------------------------|-----------------------------------------------|
| Alarm Type               | Smoke alarm, fault alarm, low battery warning |
| Alarm Volume             | 85dB–90dB(A) at 3 m (9.84 ft)                 |
| Alarm Mode               | Visual and audible alarm                      |
| Silence Function         | Yes                                           |
| Silence Duration         | About 12 min                                  |
| Alarm Response Threshold | 0.2 dB/m - 0.3 dB/m                           |

### Technical Specification

#### Basic Parameters

|                  |                                                                                                                                                                                                                |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Indicator Light  | Red and green LED indicator                                                                                                                                                                                    |
| Led Instructions | Standby: Green indicator flashes once per minute<br>Alarm: Red indicator flashes once per second<br>Fault: Red indicator flashes once per minute<br>Low battery warning: Red indicator flashes once per minute |
| Coverage Area    | When the height of the space is less than 8 m (3.28 ft), the protection area of a device is 20 m <sup>2</sup> –40 m <sup>2</sup>                                                                               |

#### Power Supply

|                   |                                                     |
|-------------------|-----------------------------------------------------|
| Battery Life      | 3 year                                              |
| Operating Voltage | 3V CR123A lithium battery (replaceable)             |
| Operating Current | Monitoring current: ≤ 35uA<br>Alarm current: ≤ 35mA |

#### Operating Ambient

|                       |                                  |
|-----------------------|----------------------------------|
| Operating Environment | Indoor                           |
| Operating Temperature | -10°C to +55°C (+14°F to +131°F) |
| Operating Humidity    | ≤ 95% RH (non condensing)        |

#### Appearance

|              |                                   |
|--------------|-----------------------------------|
| Color        | White                             |
| Casing       | ABS                               |
| Dimensions   | φ98mm × H43.1mm (φ3.85" × H1.70") |
| Weight       | 140 g (0.30 lb)                   |
| Installation | Ceiling Mount                     |

## Certifications

|                     |                       |
|---------------------|-----------------------|
| Certifications      | TÜV and CE listed     |
| Compliance Standard | EN 14604:2005+AC:2008 |

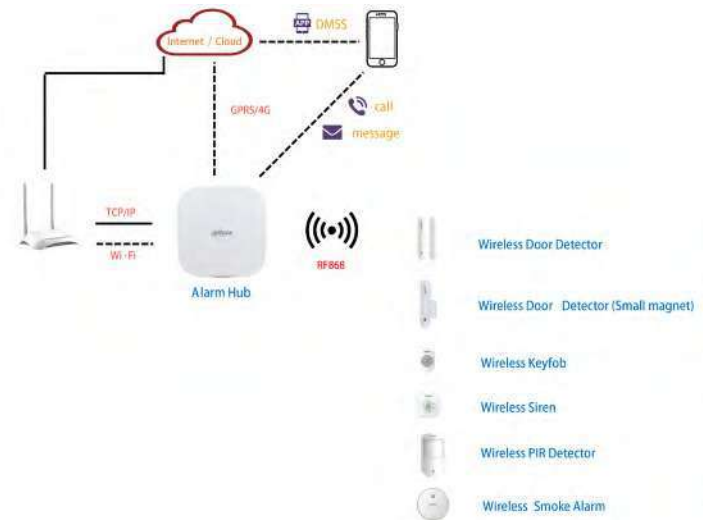
## Wireless

|                         |                                            |
|-------------------------|--------------------------------------------|
| Carrier Frequency       | 868 MHz–868.3 MHz                          |
| Communication Distance  | Up to 1000 m (3280.84 ft) in an open space |
| Communication Mechanism | Two-way                                    |
| Frequency Hopping       | Yes                                        |
| Encryption Mode         | AES128                                     |

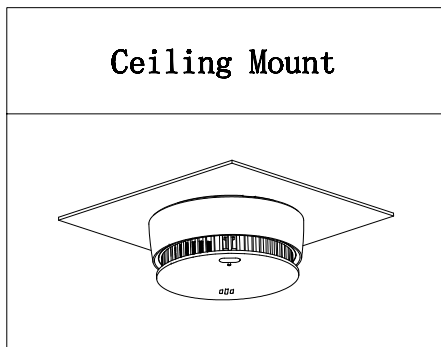
## Ordering Information

| Type        | Part Number          | Description          |
|-------------|----------------------|----------------------|
| Smoke Alarm | DHI-HY-SA21A-W2(868) | Wireless Smoke Alarm |

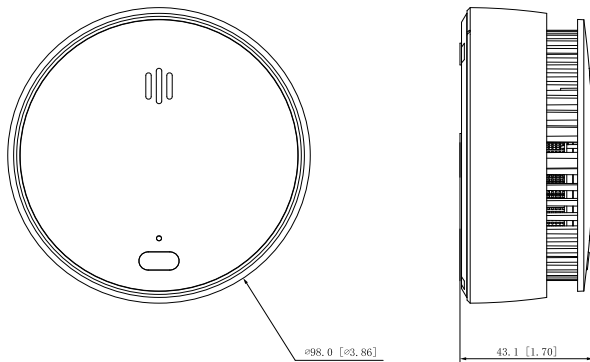
## Application



## Installation



## Dimensions (mm[inch])



# DHI-HY-SA21A-W2

## Wireless Smoke Alarm



- Split-spectrum sensor technology
- Test and silence features in one single button
- Loud sound output over 85 dB(A) at 3 meters
- Low quiescent current consumption
- Surface-mount device (SMD) circuit board design
- Low battery warning signal

### System Overview

Dahua Wireless Smoke Alarm provides battery-powered smoke detection and alarm functions within a single unit. Advanced electronics in conjunction with a photoelectric smoke sensing chamber provide early detection of smoke and high immunity against unwanted alarms. This kind of smoke alarm does not require a mains supply and is suitable for general residential applications. Timely notification of the smoke alarm can be displayed on DMSS App in real time.

### Scene

Mainly applied for villas, shops, apartments, etc.

### Technical Specification

#### Working Principle

|                 |               |
|-----------------|---------------|
| Collection Type | Smoke         |
| Sampling Period | 10 s          |
| Sensor Type     | Photoelectric |

#### Alarm

|                          |                                               |
|--------------------------|-----------------------------------------------|
| Alarm Type               | Smoke alarm, fault alarm, low battery warning |
| Alarm Volume             | 85dB–90dB(A) at 3 m (9.84 ft)                 |
| Alarm Mode               | Visual and audible alarm                      |
| Silence Function         | Yes                                           |
| Silence Duration         | About 12 min                                  |
| Alarm Response Threshold | 0.2 dB/m - 0.3 dB/m                           |

### Technical Specification

#### Basic Parameters

|                  |                                                                                                                                                                                                                |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Indicator Light  | Red and green LED indicator                                                                                                                                                                                    |
| Led Instructions | Standby: Green indicator flashes once per minute<br>Alarm: Red indicator flashes once per second<br>Fault: Red indicator flashes once per minute<br>Low battery warning: Red indicator flashes once per minute |
| Coverage Area    | When the height of the space is less than 8 m (3.28 ft), the protection area of a device is 20 m <sup>2</sup> –40 m <sup>2</sup>                                                                               |

#### Power Supply

|                   |                                                     |
|-------------------|-----------------------------------------------------|
| Battery Life      | 3 year                                              |
| Operating Voltage | 3V CR123A lithium battery (replaceable)             |
| Operating Current | Monitoring current: ≤ 35uA<br>Alarm current: ≤ 35mA |

#### Operating Ambient

|                       |                                  |
|-----------------------|----------------------------------|
| Operating Environment | Indoor                           |
| Operating Temperature | -10°C to +55°C (+14°F to +131°F) |
| Operating Humidity    | ≤ 95% RH (non condensing)        |

#### Appearance

|              |                                     |
|--------------|-------------------------------------|
| Color        | White                               |
| Casing       | ABS                                 |
| Dimensions   | φ98 mm × H43.1 mm (φ3.85" × H1.70") |
| Weight       | 140 g (0.30 lb)                     |
| Installation | Ceiling Mount                       |

Certifications

|                     |                       |
|---------------------|-----------------------|
| Certifications      | TÜV and CE listed     |
| Compliance Standard | EN 14604:2005+AC:2008 |

Wireless

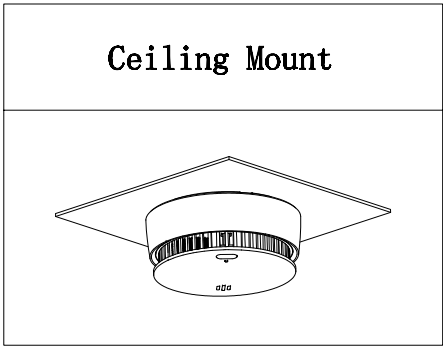
|                         |                                            |
|-------------------------|--------------------------------------------|
| Carrier Frequency       | 433.1 MHz–434.6 MHz                        |
| Communication Distance  | Up to 1000 m (3280.84 ft) in an open space |
| Communication Mechanism | Two-way                                    |
| Frequency Hopping       | Yes                                        |
| Encryption Mode         | AES128                                     |

Ordering Information

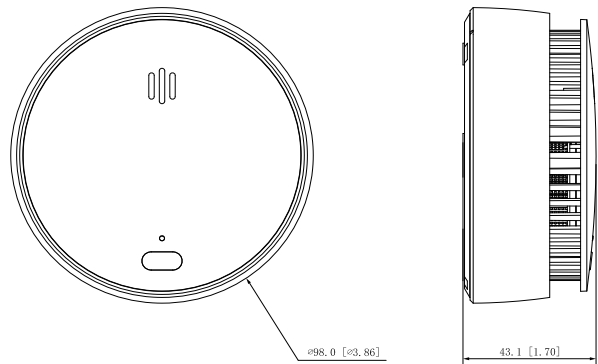
| Type        | Part Number     | Description          |
|-------------|-----------------|----------------------|
| Smoke Alarm | DHI-HY-SA21A-W2 | Wireless Smoke Alarm |

Installation

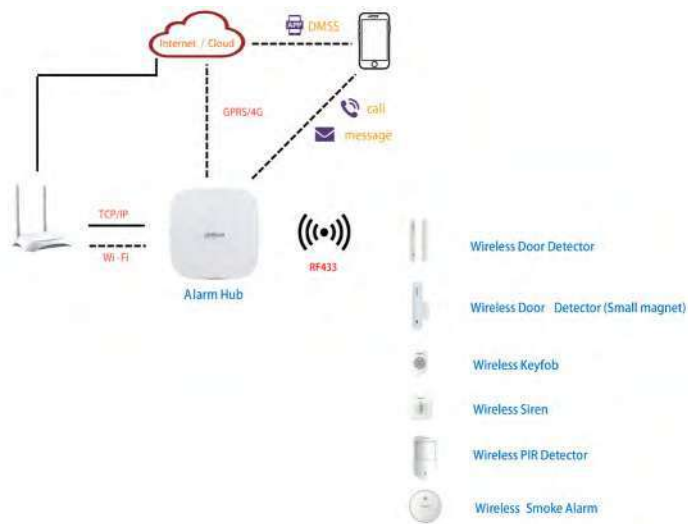
Ceiling Mount



Dimensions (mm[inch])



Application





# **ACCESSOIRES**

## **SANS FILS**

# DHI-ARA12-W2(868)

Wireless siren



- Signal strength detection.
- Low battery alarm.
- Temperature measurement.
- Frequency hopping function and two-way communication technology ensure communication stability.
- Cloud update and automatic recovery from update failure.

## System Overview

Wireless siren is an indoor siren that loudly alarms when an alarm event occurs. It features danger warning and intrusion determent.

## Scene

Mainly applied for villas, shops, apartments, etc.

## Technical Specification

### Port

|                 |                           |
|-----------------|---------------------------|
| Indicator Light | 1 × green alarm indicator |
| Button          | 1 × power button          |

### Function

|                   |                           |
|-------------------|---------------------------|
| Tamper Alarm      | Yes                       |
| Remote Upgrade    | Cloud update              |
| Test Mode         | Yes                       |
| Low Battery Alarm | Yes                       |
| Search            | Signal strength detection |

### Wireless

|                         |                                              |
|-------------------------|----------------------------------------------|
| Carrier Frequency       | 868.0 MHz–868.6 MHz                          |
| Communication Distance  | Up to 1,000 m (3,280.84 ft) in an open space |
| Communication Mechanism | Two-way                                      |
| Frequency Hopping       | Yes                                          |
| Encryption Mode         | AES128                                       |

### General

|              |                      |
|--------------|----------------------|
| Power Supply | 2 × CR123A batteries |
|--------------|----------------------|

|                       |                                                                                               |
|-----------------------|-----------------------------------------------------------------------------------------------|
| Power Consumption     | Max. 240 mW                                                                                   |
| Operating Temperature | −10 °C to +55 °C (+14 °F to +131 °F) (indoor)                                                 |
| Operating Humidity    | 10%–90% (RH).                                                                                 |
| Product Dimensions    | 81.0 mm × 81.0 mm × 26.0 mm (3.19" × 3.19" × 1.02") (L × W × H)                               |
| Packaging Dimensions  | 135.0 mm × 98.5 mm × 56.8 mm (5.31" × 3.88" × 2.24") (L × W × H)                              |
| Installation          | Bracket mount                                                                                 |
| Net Weight            | 105 g (0.23 lb)                                                                               |
| Gross Weight          | 175 g (0.39 lb)                                                                               |
| Certifications        | CE                                                                                            |
| Battery Life          | 2.5 years in working status (triggered twice every week and alerts 120 s for each triggering) |
| Sound Pressure        | ≥ 105 ± 3 dB\1M                                                                               |
| Casing                | PC + ABS                                                                                      |

### Temperature

|                     |                                                 |
|---------------------|-------------------------------------------------|
| Measuring Range     | −15 °C to +65 °C (+18.8 °F to +149 °F) (indoor) |
| Measuring Precision | ± 1 °C (± 33.8 °F)                              |
| Resolution          | 1 °C (33.8 °F)                                  |

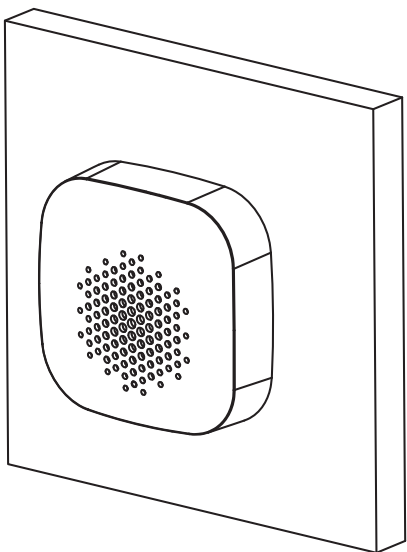
### Audio/Video Parameter

|                   |                 |
|-------------------|-----------------|
| Volume Adjustment | 3 volumn levels |
|-------------------|-----------------|

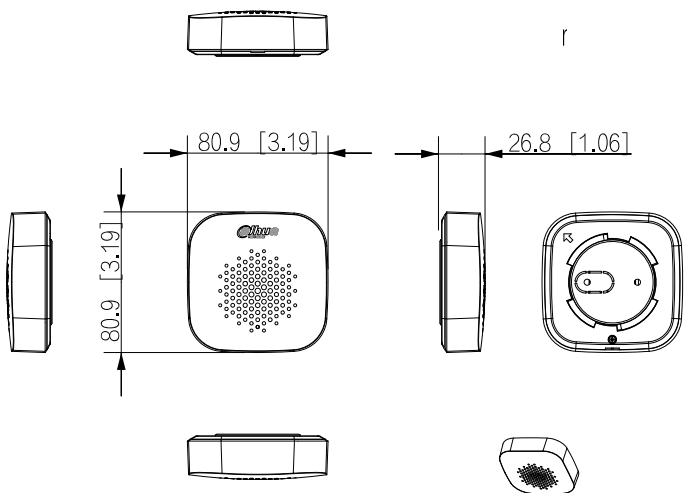
## Ordering Information

| Type           | Part Number       | Description    |
|----------------|-------------------|----------------|
| Wireless siren | DHI-ARA12-W2(868) | Wireless siren |

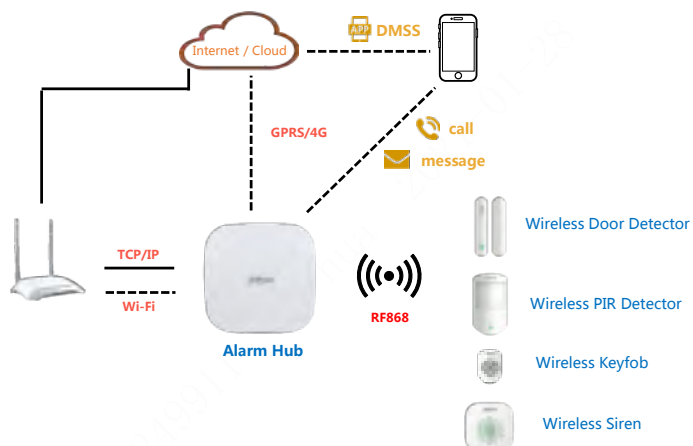
## Installation



## Dimensions (mm[inch])



## Application



# DHI-ARA12-W2

Wireless siren



- Signal strength detection.
- Low battery alarm.
- Temperature measurement.
- Frequency hopping function and two-way communication technology ensure communication stability.
- Cloud update and automatic recovery from update failure.

## System Overview

Wireless siren is an indoor siren that loudly alarms when an alarm event occurs. It features danger warning and intrusion determent.

## Scene

Mainly applied for villas, shops, apartments, etc.

## Technical Specification

### Port

|                 |                           |
|-----------------|---------------------------|
| Indicator Light | 1 × green alarm indicator |
| Button          | 1 × power button          |

### Function

|                   |                           |
|-------------------|---------------------------|
| Tamper Alarm      | Yes                       |
| Remote Upgrade    | Cloud update              |
| Test Mode         | Yes                       |
| Low Battery Alarm | Yes                       |
| Search            | Signal strength detection |

### Wireless

|                         |                                            |
|-------------------------|--------------------------------------------|
| Carrier Frequency       | 433.1 MHz–434.6 MHz                        |
| Communication Distance  | Up to 800 m (2,624.67 ft) in an open space |
| Communication Mechanism | Two-way                                    |
| Frequency Hopping       | Yes                                        |
| Encryption Mode         | AES128                                     |

### General

|              |                      |
|--------------|----------------------|
| Power Supply | 2 × CR123A batteries |
|--------------|----------------------|

|                       |                                                                                               |
|-----------------------|-----------------------------------------------------------------------------------------------|
| Power Consumption     | Max. 230 mW                                                                                   |
| Operating Temperature | −10 °C to +55 °C (+14 °F to +131 °F) (indoor)                                                 |
| Operating Humidity    | 10%–90% (RH).                                                                                 |
| Product Dimensions    | 81.0 mm × 81.0 mm × 26.0 mm (3.19" × 3.19" × 1.02") (L × W × H)                               |
| Packaging Dimensions  | 135.0 mm × 98.5 mm × 56.8 mm (5.31" × 3.88" × 2.24") (L × W × H)                              |
| Installation          | Bracket mount                                                                                 |
| Net Weight            | 105 g (0.23 lb)                                                                               |
| Gross Weight          | 175 g (0.39 lb)                                                                               |
| Certifications        | CE                                                                                            |
| Battery Life          | 2.5 years in working status (triggered twice every week and alerts 120 s for each triggering) |
| Sound Pressure        | ≥ 105 ± 3 dB\1M                                                                               |
| Casing                | PC + ABS                                                                                      |

### Temperature

|                     |                                                 |
|---------------------|-------------------------------------------------|
| Measuring Range     | −15 °C to +65 °C (+18.8 °F to +149 °F) (indoor) |
| Measuring Precision | ± 1 °C (± 33.8 °F)                              |
| Resolution          | 1 °C (33.8 °F)                                  |

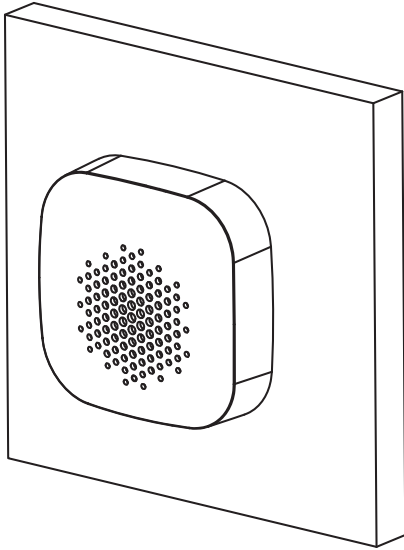
### Audio/Video Parameter

|                |                 |
|----------------|-----------------|
| Volume Control | 3 volumn levels |
|----------------|-----------------|

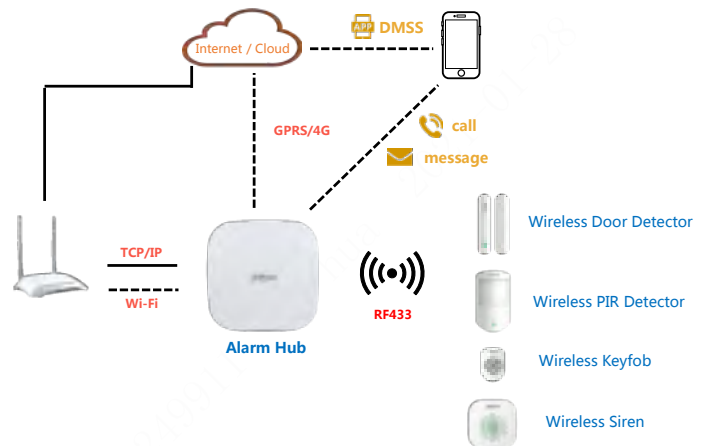
## Ordering Information

| Type           | Model        | Description    |
|----------------|--------------|----------------|
| Wireless siren | DHI-ARA12-W2 | Wireless siren |

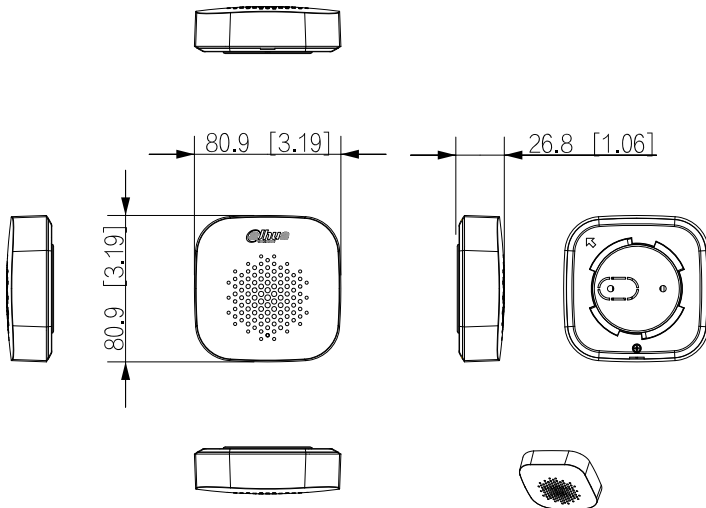
## Installation



## Application



## Dimensions (mm[inch])



# DHI-ARA13-W2(868)

Wireless outdoor siren



- IP65 rated.
- Outdoor product (–25 °C to +60 °C).
- 12 VDC and battery power supply.
- Multiple alarm sounds: Fire, medical, intrusion, panic, and more.
- Sound pressure level: 110 dB.
- Temperature monitoring.
- Frequency hopping and two-way communication.
- Cloud update and automatic recovery from update failure.

## System Overview

Wireless outdoor siren is an outdoor siren that alarms loudly when an alarm event occurs, attracting the attention of everyone within its vicinity. It features danger warning, intrusion deterrent, and is used in outdoor scenes such as in villas, homes, and on streets.

## Scene

Mainly applied for villas, apartments, streets, etc.

## Technical Specification

### Function

|                       |                                                    |
|-----------------------|----------------------------------------------------|
| Indicator Light       | 1 × green alarm indicator<br>12 × alarm LED groups |
| Button                | 1 × power switch                                   |
| Buzzer                | 1 × buzzer                                         |
| Remote Update         | Cloud update                                       |
| Low Battery Detection | Yes                                                |
| Battery Level Display | Yes                                                |
| Tamper                | Yes                                                |
| Signal Strength       | 7                                                  |

### Wireless

|                         |                                              |
|-------------------------|----------------------------------------------|
| Carrier Frequency       | 868.0 MHz–868.6 MHz                          |
| Communication Distance  | Up to 1,600 m (5,249.34 ft) in an open space |
| Communication Mechanism | Two-way                                      |
| Frequency Hopping       | Yes                                          |

|                 |        |
|-----------------|--------|
| Encryption Mode | AES128 |
|-----------------|--------|

### General

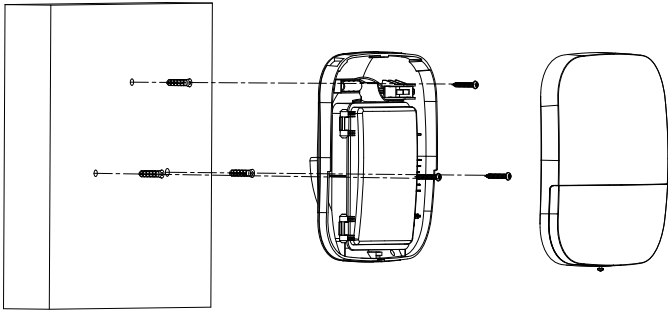
|                       |                                                                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Supply Mode     | Battery (default), 12 VDC                                                                                                                         |
| Battery Model         | CR123A                                                                                                                                            |
| Battery Life          | 4 CR123A batteries can be used for 3.4 years (if triggered fortnightly and the alarm sounds for 120 s each time with a battery efficiency of 80%) |
| Operating Temperature | –25 °C to +60 °C (–13 °F to +140 °F)                                                                                                              |
| Operating Humidity    | 10%–90% (RH)                                                                                                                                      |
| Product Dimensions    | 200 mm × 200 mm × 52.5 mm (7.87" × 7.87" × 2.07") (L × W × H)                                                                                     |
| Packaging Dimensions  | 255 mm × 239 mm × 64 mm (10.04" × 9.41" × 2.52") (L × W × H)                                                                                      |
| Net Weight            | 610 g (1.34 lb)                                                                                                                                   |
| Gross Weight          | 920 g (2.03 lb)                                                                                                                                   |
| Installation          | Wall mount                                                                                                                                        |
| Casing                | PC + ABS                                                                                                                                          |
| Protection            | IP65                                                                                                                                              |
| Certifications        | CE                                                                                                                                                |

### Technical

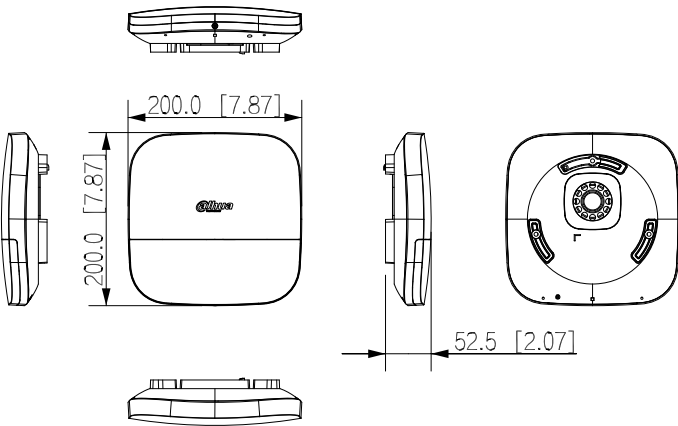
|                       |                                                                                             |
|-----------------------|---------------------------------------------------------------------------------------------|
| Scenario              | Outdoor                                                                                     |
| Operating Current     | 92 μA                                                                                       |
| Alarm Current         | 420 mA                                                                                      |
| Sound and Light Alarm | Light alarm and multiple alarm sounds, including fire, medical, intrusion, panic, and more. |
| Sound Pressure        | 110 dB                                                                                      |

| Ordering Information   |                   |                        |
|------------------------|-------------------|------------------------|
| Type                   | Model             | Description            |
| Wireless outdoor siren | DHI-ARA13-W2(868) | Wireless outdoor siren |

Installation



Dimensions (mm[inch])



Application



# DHI-ARA13-W2

Wireless outdoor siren



- IP65 rated.
- Outdoor product (–25 °C to +60 °C).
- 12 VDC and battery power supply.
- Multiple alarm sounds: Fire, medical, intrusion, panic, and more.
- Sound pressure level: 110 dB.
- Temperature monitoring.
- Frequency hopping and two-way communication.
- Cloud update and automatic recovery from update failure.

## System Overview

Wireless outdoor siren is an outdoor siren that alarms loudly when an alarm event occurs, attracting the attention of everyone within its vicinity. It features danger warning, intrusion determent, and is used in outdoor scenes such as in villas, homes, and on streets.

## Scene

It is ideal for scenarios such as villas, apartments and streets.

## Technical Specification

### Function

|                       |                                                    |
|-----------------------|----------------------------------------------------|
| Indicator Light       | 1 × green alarm indicator<br>12 × alarm LED groups |
| Button                | 1 × power switch                                   |
| Buzzer                | 1 × buzzer                                         |
| Remote Update         | Cloud update                                       |
| Low Battery Detection | Yes                                                |
| Battery Level Display | Yes                                                |
| Tamper                | Yes                                                |
| Signal Strength       | Signal strength detection                          |

### Wireless

|                         |                                              |
|-------------------------|----------------------------------------------|
| Carrier Frequency       | 433.1 MHz–434.6 MHz                          |
| Communication Distance  | Up to 1,200 m (3,937.01 ft) in an open space |
| Communication Mechanism | Two-way                                      |
| Frequency Hopping       | Yes                                          |

|                 |        |
|-----------------|--------|
| Encryption Mode | AES128 |
|-----------------|--------|

### General

|                       |                                                                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Supply Mode     | Battery (default), 12 VDC                                                                                                                         |
| Battery Model         | CR123A                                                                                                                                            |
| Battery Life          | 4 CR123A batteries can be used for 3.4 years (if triggered fortnightly and the alarm sounds for 120 s each time with a battery efficiency of 80%) |
| Operating Temperature | –25 °C to + 60 °C (–13 °F to + 140 °F)                                                                                                            |
| Operating Humidity    | 10%–90% (RH)                                                                                                                                      |
| Product Dimensions    | 200 mm × 200 mm × 52.5 mm (7.87" × 7.87" × 2.07") (L × W × H)                                                                                     |
| Packaging Dimensions  | 255 mm × 239 mm × 64 mm (10.04" × 9.41" × 2.52") (L × W × H)                                                                                      |
| Net Weight            | 610 g (1.34 lb)                                                                                                                                   |
| Gross Weight          | 920 g (2.03 lb)                                                                                                                                   |
| Installation          | Wall mount                                                                                                                                        |
| Casing                | PC + ABS                                                                                                                                          |
| Protection            | IP65                                                                                                                                              |
| Certifications        | FCC                                                                                                                                               |

### Technical

|                       |                                                                                             |
|-----------------------|---------------------------------------------------------------------------------------------|
| Scenario              | Outdoor                                                                                     |
| Operating Current     | 92 μA                                                                                       |
| Alarm Current         | 420 mA                                                                                      |
| Sound and Light Alarm | Light alarm and multiple alarm sounds, including fire, medical, intrusion, panic, and more. |

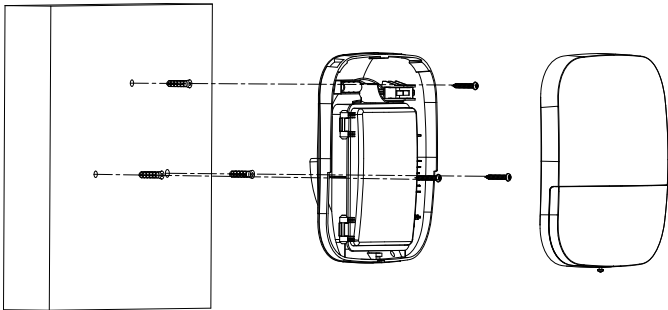
|                |        |
|----------------|--------|
| Sound Pressure | 110 dB |
|----------------|--------|

Application

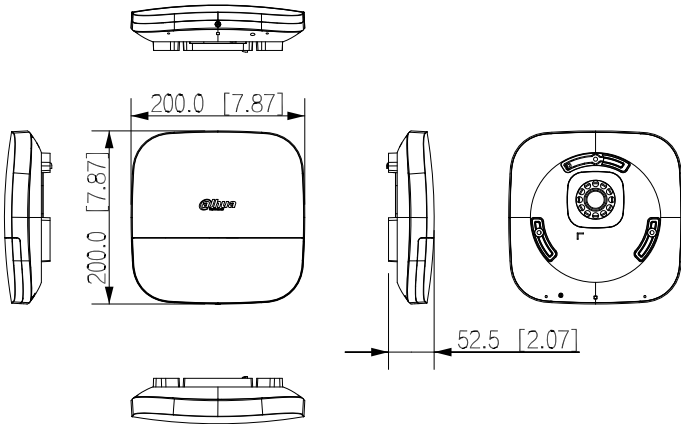
Ordering Information

| Type                   | Model        | Description            |
|------------------------|--------------|------------------------|
| Wireless outdoor siren | DHI-ARA13-W2 | Wireless outdoor siren |

Installation



Dimensions (mm[inch])



Wireless Door Detector



Wireless PIR Detector



Wireless Keyfob



Wireless Single Channel



RF433



Alarm Hub



RF433



Wireless Outdoor Sensor

## DHI-ARA20-W

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### Four-Key Remote Control



### Feature

- Arm/Stay arm/Disarm/SOS
- LED indicator
- FSK, OOK modulation modes
- Frequency band is 434MHz by default
- Max transmit power +10 dBm
- Low consumption, current under sleep < 10nA
- Under +10dBm output power, TX current is 19.8mA (FSK transmit mode)
- Super-LOW current power down mode (30nA OFF current, 50nA standby current)
- Data transmission rate: max 100Kbps
- Battery voltage detection
- 128 bit AES encryption algorithm

## DHI-ARA20-W

### Technical Specifications

| Model                | Description      | Min   | Regular  | Max   | Unit |
|----------------------|------------------|-------|----------|-------|------|
| Name                 | Wireless key fob |       |          |       |      |
| Working voltage      | 1.8              | 3.0   | 3.6      | V     |      |
| Frequency            |                  | 3.15  | 434      | 915   | MHz  |
| Max reflection power |                  | 9.2   | 9.6      | 10    | dBm  |
| Transmitting current | +10dBm 3.0V      | 18.9  | 19.8     | 21    | mA   |
| Data rate            | FSK Modulation   | 0.1   | 4.8      | 100   | Kbps |
| Key                  |                  |       | 4        |       |      |
| Temperature          |                  | -10°C |          | +50°C |      |
| Ingress protection   |                  |       | IP20     |       |      |
| Dimension            | L*W*H (mm)       |       | 62*30*14 |       |      |

# DHI-ARA24-W2(868)

Wireless keyfob



- SOS emergency alarm.
- Frequency hopping function and two-way communication technology ensure communication stability.
- Cloud update and automatic recovery from update failure.

## System Overview

An all new industrial design and advanced technological system, makes the new generation of wireless alarm products easier to install, look better, communicate more reliably and perform more stably. From the comfort of the mobile apps DMSS (for end users) and COS Pro (for installers), receive notifications in real-time, control and manage your devices, perform remote operations, and more.

## Scene

Mainly applied for villas, shops, apartments, etc.

## Technical Specification

### Port

|                 |                                                               |
|-----------------|---------------------------------------------------------------|
| Indicator Light | 1 × two-color status indicator (green: normal, red: abnormal) |
| Button          | 4 (Home, Away, Disarm, and SOS)                               |

### Function

|                   |                           |
|-------------------|---------------------------|
| Remote Upgrade    | Cloud update              |
| Low Battery Alarm | Yes                       |
| Search            | Signal strength detection |

### Wireless

|                         |                                            |
|-------------------------|--------------------------------------------|
| Carrier Frequency       | 868.0 MHz–868.6 MHz                        |
| Communication Distance  | Up to 900 m (2,952.76 ft) in an open space |
| Communication Mechanism | Two-way                                    |
| Encryption Mode         | AES128                                     |
| Frequency Hopping       | Yes                                        |

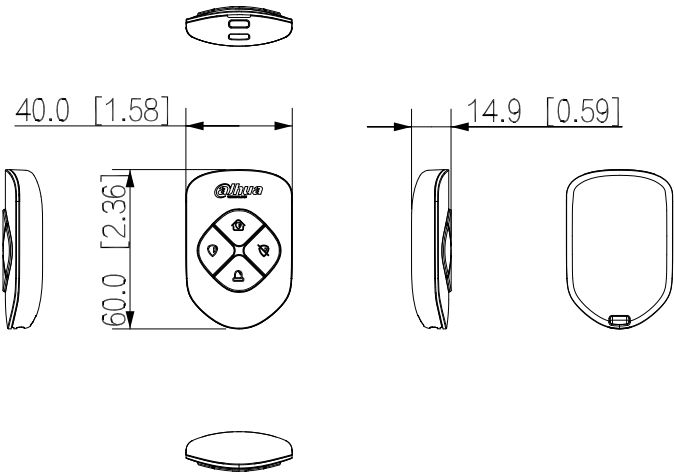
## General

|                       |                                                                  |
|-----------------------|------------------------------------------------------------------|
| Power Supply          | CR2032 battery                                                   |
| Power Consumption     | Max. 100 mW                                                      |
| Operating Temperature | –10 °C to +55 °C (+14 °F to +131 °F) (indoor)                    |
| Operating Humidity    | 10%–90% (RH)                                                     |
| Product Dimensions    | 60.0 mm × 39.5 mm × 15.0 mm (2.36" × 1.56" × 0.59") (L × W × H)  |
| Packaging Dimensions  | 135.0 mm × 98.5 mm × 27.8 mm (5.31" × 3.88" × 1.09") (L × W × H) |
| Net Weight            | 20 g (0.04 lb)                                                   |
| Gross Weight          | 65 g (0.14 lb)                                                   |
| Certifications        | CE                                                               |
| Casing                | PC + ABS                                                         |
| Battery Life          | 3 years                                                          |

## Ordering Information

| Type            | Model             | Description     |
|-----------------|-------------------|-----------------|
| Wireless keyfob | DHI-ARA24-W2(868) | Wireless keyfob |

Dimensions (mm[inch])



Application



# DHI-ARA24-W2

## Wireless keyfob



- SOS emergency alarm.
- Frequency hopping function and two-way communication technology ensure communication stability.
- Cloud update and automatic recovery from update failure.

### System Overview

An all new industrial design and advanced technological system, makes the new generation of wireless alarm products easier to install, look better, communicate more reliably and perform more stably. From the comfort of the mobile apps DMSS (for end users) and COS Pro (for installers), receive notifications in real-time, control and manage your devices, perform remote operations, and more.

### Scene

Mainly applied for villas, shops, apartments, etc.

### Technical Specification

#### Input/Output

|                 |                                                               |
|-----------------|---------------------------------------------------------------|
| Indicator Light | 1 × two-color status indicator (green: normal, red: abnormal) |
| Button          | 4 (Home, Away, Disarm, and SOS)                               |

#### Function

|                   |                           |
|-------------------|---------------------------|
| Remote Upgrade    | Cloud update              |
| Low Battery Alarm | Yes                       |
| Search            | Signal strength detection |

#### Wireless

|                         |                                            |
|-------------------------|--------------------------------------------|
| Carrier Frequency       | 433.1 MHz–434.6 MHz                        |
| Communication Distance  | Up to 500 m (1,640.42 ft) in an open space |
| Communication Mechanism | Two-way                                    |
| Encryption Mode         | AES128                                     |
| Frequency Hopping       | Yes                                        |

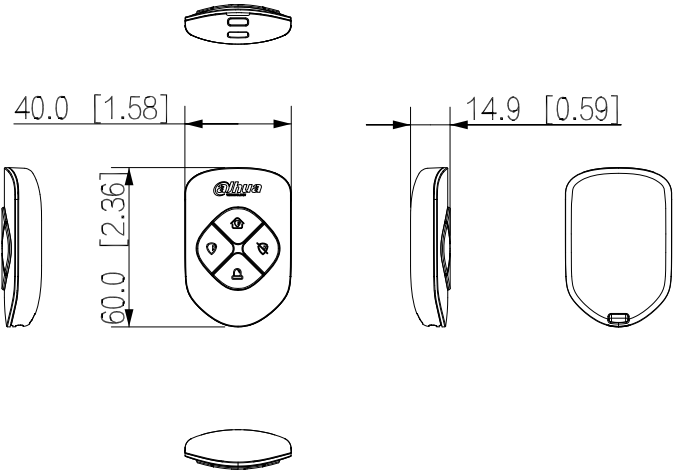
### General

|                       |                                                                  |
|-----------------------|------------------------------------------------------------------|
| Power Supply          | CR2032 battery                                                   |
| Power Consumption     | Max. 85 mW                                                       |
| Operating Temperature | –10 °C to +55 °C (+14 °F to +131 °F) (indoor)                    |
| Operating Humidity    | 10%–90% (RH)                                                     |
| Product Dimensions    | 60.0 mm × 39.5 mm × 15.0 mm (2.36" × 1.56" × 0.59") (L × W × H)  |
| Packaging Dimensions  | 135.0 mm × 98.5 mm × 27.8 mm (5.31" × 3.88" × 1.09") (L × W × H) |
| Net Weight            | 20 g (0.04 lb)                                                   |
| Gross Weight          | 65 g (0.14 lb)                                                   |
| Certifications        | CE                                                               |
| Casing                | PC + ABS                                                         |
| Battery Life          | 3 years                                                          |

### Ordering Information

| Type            | Model        | Description     |
|-----------------|--------------|-----------------|
| Wireless keyfob | DHI-ARA24-W2 | Wireless keyfob |

Dimensions (mm[inch])



Application



# DHI-ARA43-W2(868)

## Alarm Repeater



- Connects up to 32 peripherals.
- Two-way RF communication.
- LED indicator displays device status.
- Supports manual and auto pairing, extending RF distance for your security system.
- Auto switches from dual antennas to reduce blind areas.
- Cloud update and auto recovery of update failure.
- Battery backs device working for over 35 hours when external power supply fails.

### System Overview

Alarm repeater is a wireless repeater device that extends the communication range between the alarm hub and other accessories, and forwards messages received from the accessory to the hub. It provides a secondary communication path for accessories, improving the overall stability and reliability of communication of the wireless security system. You can use the DMSS app to manually select a path for accessories or allow the system to automatically select one for them.

### Scene

It is suitable for security use in scenes, such as villas with multiple floors, garages that are far away from residential areas, or office buildings and shops with partitions.

### Technical Specification

#### Input/Output

|               |                           |
|---------------|---------------------------|
| Wireless Zone | 32 × wireless peripherals |
|---------------|---------------------------|

#### Port

|                 |                                      |
|-----------------|--------------------------------------|
| Storage Battery | Built-in lithium battery             |
| Indicator Light | 1 that indicates pairing and working |
| Power Switch    | 1 × power switch                     |

#### Function

|                                                    |              |
|----------------------------------------------------|--------------|
| Pairing Mode                                       | Auto/Manual  |
| Tamper Alarm                                       | Yes          |
| Remote Update                                      | Cloud update |
| Power Failure Protection for Configured Parameters | Yes          |
| Disconnection Detection of External Power Supply   | Yes          |

|                   |                           |
|-------------------|---------------------------|
| Low Battery Alarm | Yes                       |
| Search            | Signal strength detection |

#### Wireless

|                         |                                             |
|-------------------------|---------------------------------------------|
| Carrier Frequency       | 868.0 MHz–868.6 MHz                         |
| Communication Distance  | Up to 1,600 m (5249.34 ft) in an open space |
| Communication Mechanism | Two-way                                     |
| Encryption Mode         | AES128                                      |
| Frequency Hopping       | Yes                                         |

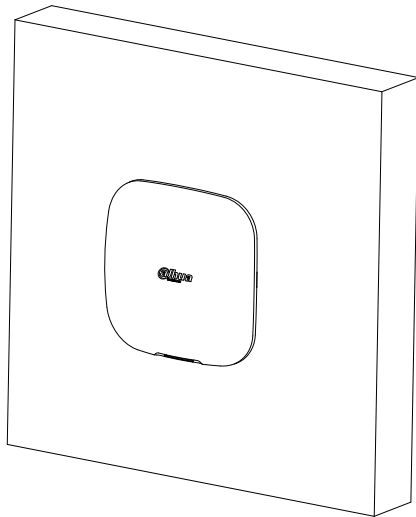
#### General

|                       |                                                       |
|-----------------------|-------------------------------------------------------|
| Power Supply          | 12 VDC, 1.5 A                                         |
| Battery Life          | Battery standby time: 35 h                            |
| Operating environment | –10 °C to +55 °C (+14 °F to +131 °F) (indoor)         |
| Operating Humidity    | 10%–90% (RH)                                          |
| Product Dimensions    | 163.0 mm × 163.0 mm × 32.0 mm (6.42" × 6.42" × 1.26") |
| Packaging Dimensions  | 219.0 mm × 187.0 mm × 91.0 mm (8.62" × 7.36" × 3.58") |
| Installation          | Wall mount; Desktop                                   |
| Net Weight            | 0.32 kg (0.71 lb)                                     |
| Gross Weight          | 0.74 kg (1.63 lb)                                     |
| Certifications        | CE                                                    |
| Casing                | PC+ABS                                                |

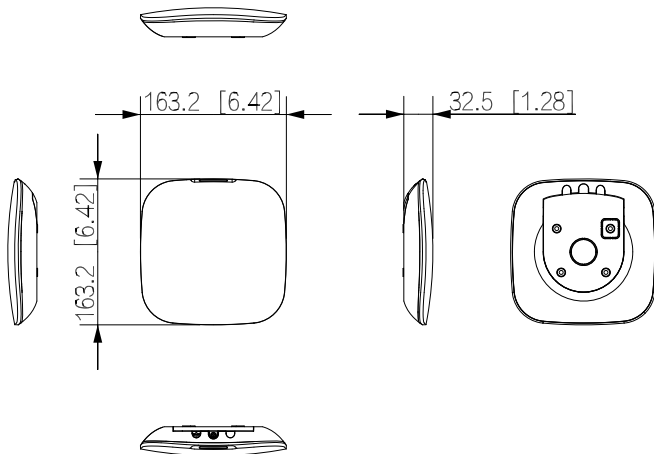
## Ordering Information

| Type            | Model             | Description       |
|-----------------|-------------------|-------------------|
| Alarm Accessory | DHI-ARA43-W2(868) | Wireless repeater |

## Installation



### Dimensions (mm[inch])



## Application



# DHI-ARA43-W2

## Alarm Repeater



- Connects up to 32 peripherals.
- Two-way RF communication.
- LED indicator displays device status.
- Supports manual and auto pairing, extending RF distance for your security system.
- Auto switches from dual antennas to reduce blind areas.
- Cloud update and auto recovery of update failure.
- Battery backs device working for over 35 hours when external power supply fails.

### System Overview

Alarm repeater is a wireless repeater device that extends the communication range between the alarm hub and other accessories, and forwards messages received from the accessory to the hub. It provides a secondary communication path for accessories, improving the overall stability and reliability of communication of the wireless security system. You can use the DMSS app to manually select a path for accessories or allow the system to automatically select one for them.

### Scene

It is suitable for security use in scenes, such as villas with multiple floors, garages that are far away from residential areas, or office buildings and shops with partitions.

### Technical Specification

#### Input/Output

|               |                           |
|---------------|---------------------------|
| Wireless Zone | 32 × wireless peripherals |
|---------------|---------------------------|

#### Port

|                 |                                      |
|-----------------|--------------------------------------|
| Storage Battery | Built-in lithium battery             |
| Indicator Light | 1 that indicates pairing and working |
| Power Switch    | 1 × power switch                     |

#### Function

|                                                    |              |
|----------------------------------------------------|--------------|
| Pairing Mode                                       | Auto/Manual  |
| Tamper Alarm                                       | Yes          |
| Remote Update                                      | Cloud update |
| Power Failure Protection for Configured Parameters | Yes          |
| Disconnection Detection of External Power Supply   | Yes          |

|                   |                           |
|-------------------|---------------------------|
| Low Battery Alarm | Yes                       |
| Search            | Signal strength detection |

#### Wireless

|                         |                                            |
|-------------------------|--------------------------------------------|
| Carrier Frequency       | 433.1 MHz–434.6 MHz                        |
| Communication Distance  | Up to 1000 m (3280.84 ft) in an open space |
| Communication Mechanism | Two-way                                    |
| Encryption Mode         | AES128                                     |
| Frequency Hopping       | Yes                                        |

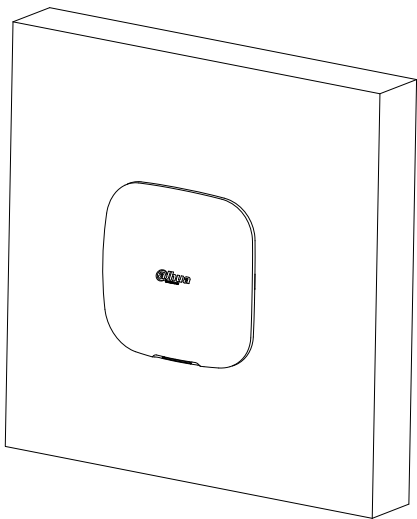
#### General

|                       |                                                       |
|-----------------------|-------------------------------------------------------|
| Power Supply          | 12 VDC, 1.5 A                                         |
| Battery Life          | Battery standby time: 35 h                            |
| Operating environment | –10 °C to +55 °C (+14 °F to +131 °F) (indoor)         |
| Operating Humidity    | 10%–90% (RH)                                          |
| Product Dimensions    | 163.0 mm × 163.0 mm × 32.0 mm (6.42" × 6.42" × 1.26") |
| Packaging Dimensions  | 219.0 mm × 187.0 mm × 91.0 mm (8.62" × 7.36" × 3.58") |
| Installation          | Wall mount; Desktop                                   |
| Net Weight            | 0.32 kg (0.71 lb)                                     |
| Gross Weight          | 0.74 kg (1.63 lb)                                     |
| Certifications        | CE                                                    |
| Casing                | PC+ABS                                                |

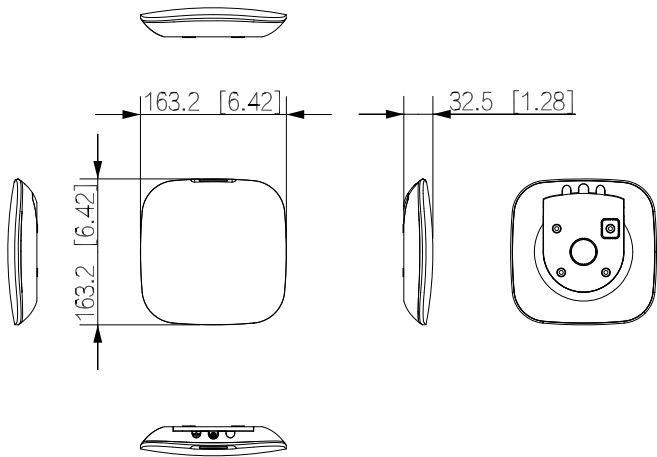
Ordering Information

| Type            | Model        | Description       |
|-----------------|--------------|-------------------|
| Alarm Accessory | DHI-ARA43-W2 | Wireless repeater |

Installation



Dimensions (mm[inch])



Application



# DHI-ARD821-W2(868)

## Wireless Panic Button



- Two-way RF communication.
- Provides multiple LED colors to indicate different statuses.
- Cloud update and automatic recovery from update failure.
- Offers accidental press prevention.
- IP54 rated.

### System Overview

Highly intuitive, the Wireless Panic Button supports multiple types of alarms to meet a wide variety of scenarios, triggering alarms for intrusions, fire, gas leaks, and more. It can also be used to notify the monitoring center and your loved ones that you are in need of medical aid, allowing them the opportunity to come to your assistance. Notices of alarm events are sent to the monitoring center to ensure a prompt response, and to you to keep you up to date.

### Scene

Wireless Panic Button is ideal for use in apartments, villas, office buildings, stores and more.

### Technical Specification

#### Function

|                       |                                                            |
|-----------------------|------------------------------------------------------------|
| Indicator Light       | 1 for multiple statuses (pairing, communication, and more) |
| Remote Update         | Cloud update                                               |
| Button                | 1                                                          |
| Signal Strength       | Yes                                                        |
| Low Battery Detection | Yes                                                        |
| Battery Level Display | Displays battery level on app                              |

#### Wireless

|                         |                                             |
|-------------------------|---------------------------------------------|
| Carrier Frequency       | 868.0 MHz–868.6 MHz                         |
| Communication Distance  | Up to 1,200 m (3937.01 ft) in an open space |
| Communication Mechanism | Two-way                                     |
| Encryption Mode         | AES128                                      |
| Frequency Hopping       | Yes                                         |

### General

|                       |                                                               |
|-----------------------|---------------------------------------------------------------|
| Operating Temperature | –10 °C to +55 °C (+14 °F to +131 °F) (indoor)                 |
| Operating Humidity    | 10%–90% (RH)                                                  |
| Battery Model         | CR2032                                                        |
| Battery Life          | 3 years (if used twice a week)                                |
| Product Dimensions    | 55 mm × 36 mm × 14.2 mm (2.17" × 1.42" × 0.56") (L × W × H)   |
| Packaging Dimensions  | 95 mm × 59.5 mm × 30.5 mm (3.74" × 2.34" × 1.20") (L × W × H) |
| Installation          | Wall mount; portable                                          |
| Net Weight            | 18 g (0.04 lb)                                                |
| Gross Weight          | 48 g (0.11 lb)                                                |
| Certifications        | CE                                                            |
| Casing Material       | PC + ABS                                                      |
| Protection            | IP54                                                          |

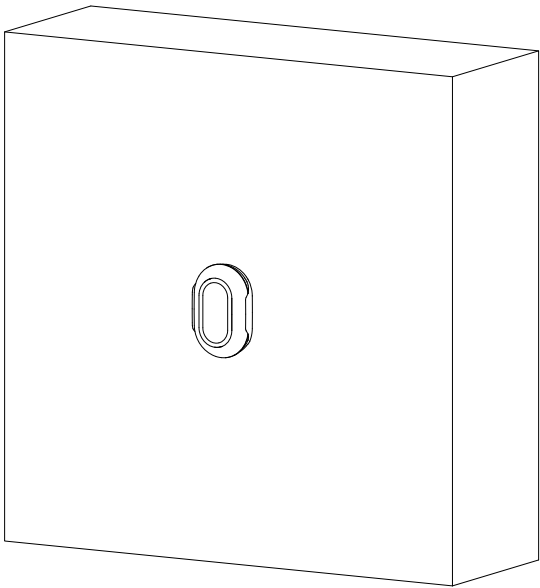
### Technical

|                   |       |
|-------------------|-------|
| Operating Current | 28 mA |
| Test Mode         | Yes   |

### Ordering Information

| Type                  | Part Number        | Description                                                                                                           |
|-----------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------|
| Wireless Panic Button | DHI-ARD821-W2(868) | 3 types optional: Wireless Panic Button, Wireless Panic Button (with straps) and Wireless Panic Button (with bracket) |

Installation



Application



Alarm Hub

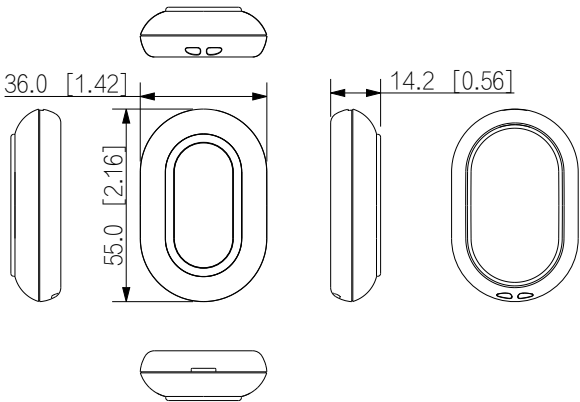


RF868



Wireless Panic Button

Dimensions (mm[inch])



# DHI-ARD821-W2

## Wireless Panic Button



- Two-way RF communication.
- Provides multiple LED colors to indicate different statuses.
- Cloud update and automatic recovery from update failure.
- Offers accidental press prevention.
- IP54 rated.

### System Overview

Highly intuitive, the Wireless Panic Button supports multiple types of alarms to meet a wide variety of scenarios, triggering alarms for intrusions, fire, gas leaks, and more. It can also be used to notify the monitoring center and your loved ones that you are in need of medical aid, allowing them the opportunity to come to your assistance. Notices of alarm events are sent to the monitoring center to ensure a prompt response, and to you to keep you up to date.

### Scene

Wireless Panic Button is ideal for use in apartments, villas, office buildings, stores and more.

### Technical Specification

#### Function

|                       |                                                            |
|-----------------------|------------------------------------------------------------|
| Indicator Light       | 1 for multiple statuses (pairing, communication, and more) |
| Remote Update         | Cloud update                                               |
| Button                | 1                                                          |
| Signal Strength       | Yes                                                        |
| Low Battery Detection | Yes                                                        |
| Battery Level Display | Displays battery level on app                              |

#### Wireless

|                         |                                           |
|-------------------------|-------------------------------------------|
| Carrier Frequency       | 433.1 MHz–434.6 MHz                       |
| Communication Distance  | Up to 800 m (2624.67 ft) in an open space |
| Communication Mechanism | Two-way                                   |
| Encryption Mode         | AES128                                    |
| Frequency Hopping       | Yes                                       |

### General

|                       |                                                               |
|-----------------------|---------------------------------------------------------------|
| Operating Temperature | –10 °C to +55 °C (+14 °F to +131 °F) (indoor)                 |
| Operating Humidity    | 10%–90% (RH)                                                  |
| Battery Model         | CR2032                                                        |
| Battery Life          | 3 years (if used twice a week)                                |
| Product Dimensions    | 55 mm × 36 mm × 14.2 mm (2.17" × 1.42" × 0.56") (L × W × H)   |
| Packaging Dimensions  | 95 mm × 59.5 mm × 30.5 mm (3.74" × 2.34" × 1.20") (L × W × H) |
| Installation          | Wall mount; portable                                          |
| Net Weight            | 18 g (0.04 lb)                                                |
| Gross Weight          | 48 g (0.11 lb)                                                |
| Certifications        | CE                                                            |
| Casing Material       | PC + ABS                                                      |
| Protection            | IP54                                                          |

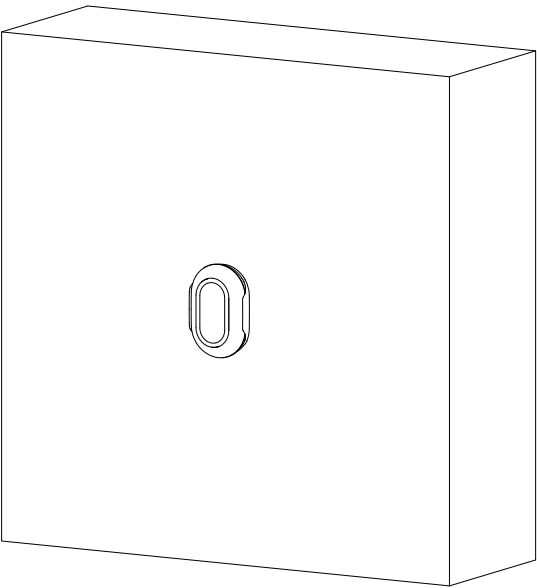
### Technical

|                   |       |
|-------------------|-------|
| Operating Current | 28 mA |
| Test Mode         | Yes   |

### Ordering Information

| Type                  | Part Number   | Description                                                                                                           |
|-----------------------|---------------|-----------------------------------------------------------------------------------------------------------------------|
| Wireless Panic Button | DHI-ARD821-W2 | 3 types optional: Wireless Panic Button, Wireless Panic Button (with straps) and Wireless Panic Button (with bracket) |

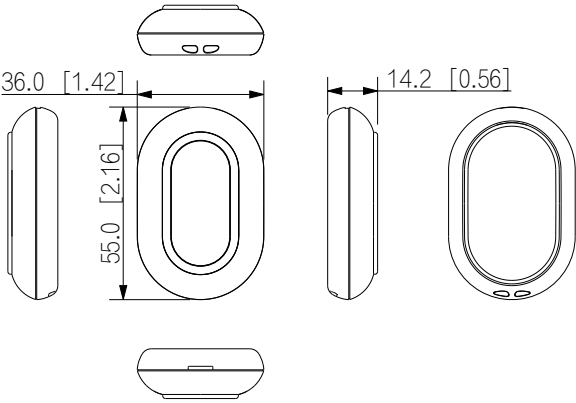
Installation



Application



Dimensions (mm[inch])



# DHI-ARD822-W2(868)

## Wireless Panic Button



- Two-way RF communication.
- Provides multiple LED colors to indicate different statuses.
- Cloud update and automatic recovery from update failure.
- Offers accidental press prevention.
- IP54 rated.

### System Overview

Highly intuitive, the Wireless Panic Button supports multiple types of alarms to meet a wide variety of scenarios, triggering alarms for intrusions, fire, gas leaks, and more. It can also be used to notify the monitoring center and your loved ones that you are in need of medical aid, allowing them the opportunity to come to your assistance. Notices of alarm events are sent to the monitoring center to ensure a prompt response, and to you to keep you up to date.

### Scene

Wireless Panic Button is ideal for use in apartments, villas, office buildings, stores and more.

### Technical Specification

#### Function

|                       |                                                                 |
|-----------------------|-----------------------------------------------------------------|
| Indicator Light       | 1 for multiple statuses (pairing, communication, and operation) |
| Remote Update         | Cloud update                                                    |
| Button                | 2                                                               |
| Signal Strength       | Yes                                                             |
| Low Battery Detection | Yes                                                             |
| Battery Level Display | Displays battery level on app                                   |

#### Wireless

|                         |                                             |
|-------------------------|---------------------------------------------|
| Carrier Frequency       | 868.0 MHz–868.6 MHz                         |
| Communication Distance  | Up to 1,200 m (3937.01 ft) in an open space |
| Communication Mechanism | Two-way                                     |
| Encryption Mode         | AES128                                      |

|                   |     |
|-------------------|-----|
| Frequency Hopping | Yes |
|-------------------|-----|

#### General

|                       |                                                               |
|-----------------------|---------------------------------------------------------------|
| Operating Temperature | –10 °C to +55 °C (+14 °F to +131 °F) (indoor)                 |
| Operating Humidity    | 10%–90% (RH)                                                  |
| Power Supply          | 1 × CR2032                                                    |
| Battery Life          | 3 years (if used twice a week)                                |
| Product Dimensions    | 55 mm × 36 mm × 14.2 mm (2.17" × 1.42" × 0.56") (L × W × H)   |
| Packaging Dimensions  | 95 mm × 59.5 mm × 30.5 mm (3.74" × 2.34" × 1.20") (L × W × H) |
| Installation          | Wall mount; portable                                          |
| Net Weight            | 18 g (0.04 lb)                                                |
| Gross Weight          | 48 g (0.11 lb)                                                |
| Certifications        | CE                                                            |
| Casing Material       | PC + ABS                                                      |
| Protection            | IP54                                                          |

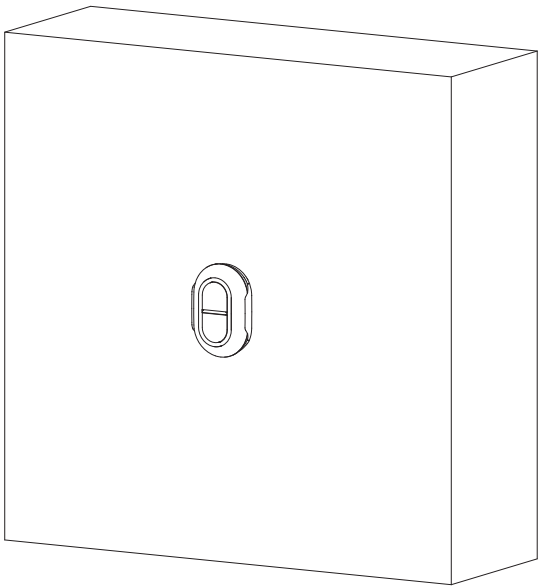
#### Technical

|                   |       |
|-------------------|-------|
| Operating Current | 28 mA |
| Test Mode         | Yes   |

### Ordering Information

| Type                  | Model              | Description                                                                                                           |
|-----------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------|
| Wireless Panic Button | DHI-ARD822-W2(868) | 3 types optional: Wireless Panic Button, Wireless Panic Button (with straps) and Wireless Panic Button (with bracket) |

Installation



Application



Alarm Hub

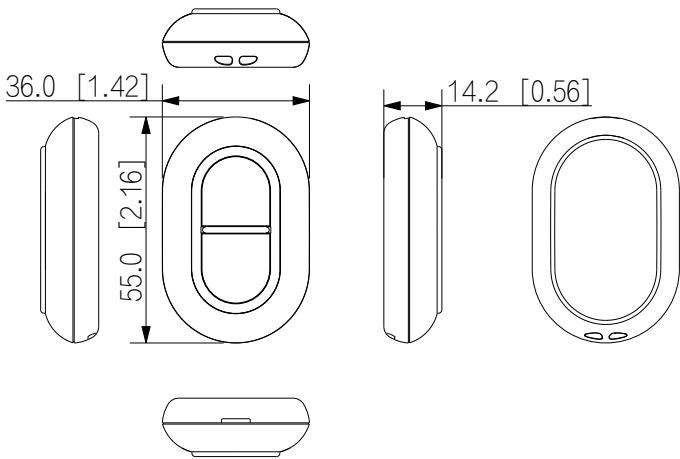


RF868



Wireless Panic Button

Dimensions (mm[inch])



# DHI-ARD822-W2

## Wireless Panic Button



- Two-way RF communication.
- Provides multiple LED colors to indicate different statuses.
- Cloud update and automatic recovery from update failure.
- Offers accidental press prevention.
- IP54 rated.

### System Overview

Highly intuitive, the Wireless Panic Button supports multiple types of alarms to meet a wide variety of scenarios, triggering alarms for intrusions, fire, gas leaks, and more. It can also be used to notify the monitoring center and your loved ones that you are in need of medical aid, allowing them the opportunity to come to your assistance. Notices of alarm events are sent to the monitoring center to ensure a prompt response, and to you to keep you up to date.

### Scene

Wireless Panic Button is ideal for use in apartments, villas, office buildings, stores and more.

### Technical Specification

#### Function

|                       |                                                                 |
|-----------------------|-----------------------------------------------------------------|
| Indicator Light       | 1 for multiple statuses (pairing, communication, and operation) |
| Remote Update         | Cloud update                                                    |
| Button                | 2                                                               |
| Signal Strength       | Yes                                                             |
| Low Battery Detection | Yes                                                             |
| Battery Level Display | Displays battery level on app                                   |

#### Wireless

|                         |                                           |
|-------------------------|-------------------------------------------|
| Carrier Frequency       | 433.1 MHz–434.6 MHz                       |
| Communication Distance  | Up to 800 m (2624.67 ft) in an open space |
| Communication Mechanism | Two-way                                   |
| Encryption Mode         | AES128                                    |

|                   |     |
|-------------------|-----|
| Frequency Hopping | Yes |
|-------------------|-----|

#### General

|                       |                                                               |
|-----------------------|---------------------------------------------------------------|
| Operating Temperature | –10 °C to +55 °C (+14 °F to +131 °F) (indoor)                 |
| Operating Humidity    | 10%–90% (RH)                                                  |
| Power Supply          | 1 × CR2032                                                    |
| Battery Life          | 3 years (if used twice a week)                                |
| Product Dimensions    | 55 mm × 36 mm × 14.2 mm (2.17" × 1.42" × 0.56") (L × W × H)   |
| Packaging Dimensions  | 95 mm × 59.5 mm × 30.5 mm (3.74" × 2.34" × 1.20") (L × W × H) |
| Installation          | Wall mount; portable                                          |
| Net Weight            | 18 g (0.04 lb)                                                |
| Gross Weight          | 48 g (0.11 lb)                                                |
| Certifications        | CE                                                            |
| Casing Material       | PC + ABS                                                      |
| Protection            | IP54                                                          |

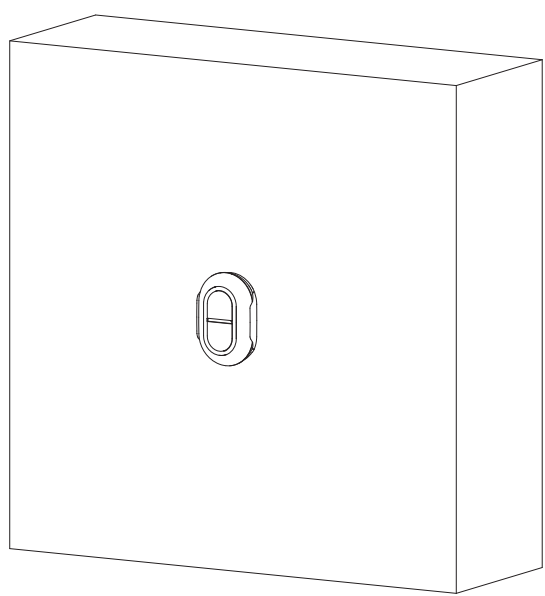
#### Technical

|                   |       |
|-------------------|-------|
| Operating Current | 28 mA |
| Test Mode         | Yes   |

### Ordering Information

| Type                  | Model         | Description                                                                                                           |
|-----------------------|---------------|-----------------------------------------------------------------------------------------------------------------------|
| Wireless Panic Button | DHI-ARD822-W2 | 3 types optional: Wireless Panic Button, Wireless Panic Button (with straps) and Wireless Panic Button (with bracket) |

Installation



Application



Alarm Hub

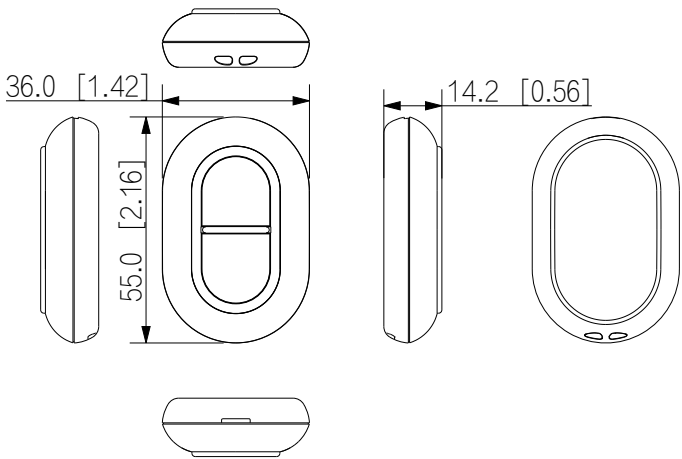


RF433



Wireless Panic Button

Dimensions (mm[inch])



## DHI-ARK20C-MW

### Wireless Alarm Keypad



### Feature

- 20 keys and LCD screen support with backlight
- Bi-directional communication
- Up to 700m transmission distance (open space/no interference)
- Tamper switch equipped & leaving-wall protection
- 1.5 years battery life
- Wall mount

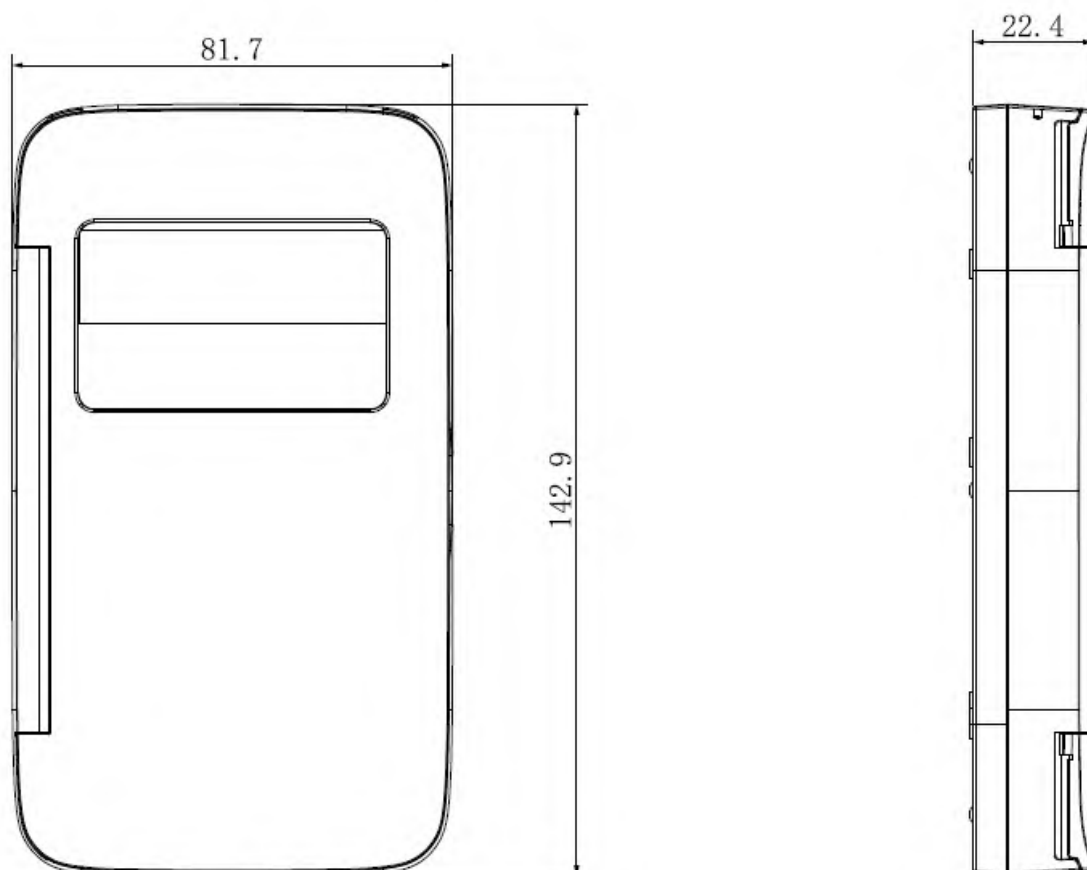
### Technical Specifications

| Model              | DHI-ARK20C-MW                               |
|--------------------|---------------------------------------------|
| Name               | Wireless alarm keypad                       |
| Wireless Frequency | 433MHz                                      |
| Transmit power     | 10dBm                                       |
| Transmit Distance  | 700m (open area/no interference)            |
| Tamper             | Unit protection and leaving-wall protection |
| Power              | 2x CR123A Battery, 3V                       |
| Installation       | Portable, wall mount                        |
| Dimensions         | 143*82*23 mm(L*W*H)                         |
| Weight             | 0.25kg                                      |
| Temperature        | -10°C~50°C                                  |

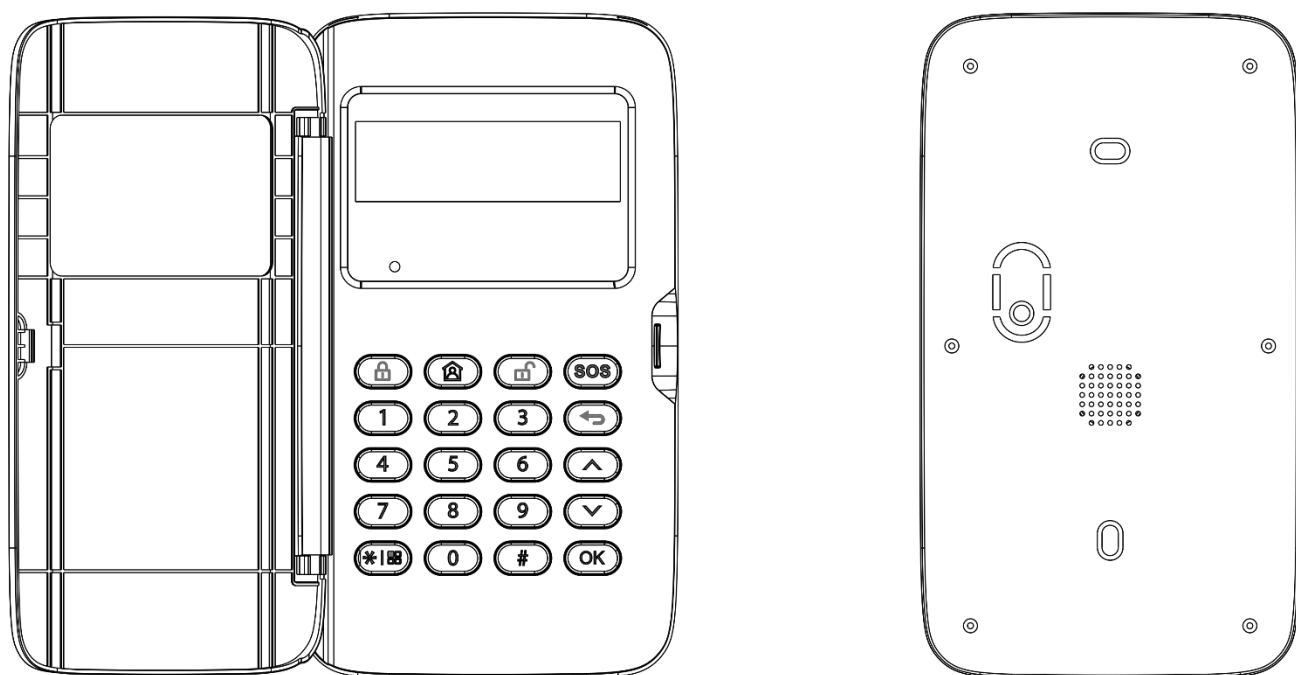
## DHI-ARK20C-MW

|          |       |
|----------|-------|
| Humidity | < 95% |
|----------|-------|

### Dimensions



## DHI-ARK20C-MW



### Key

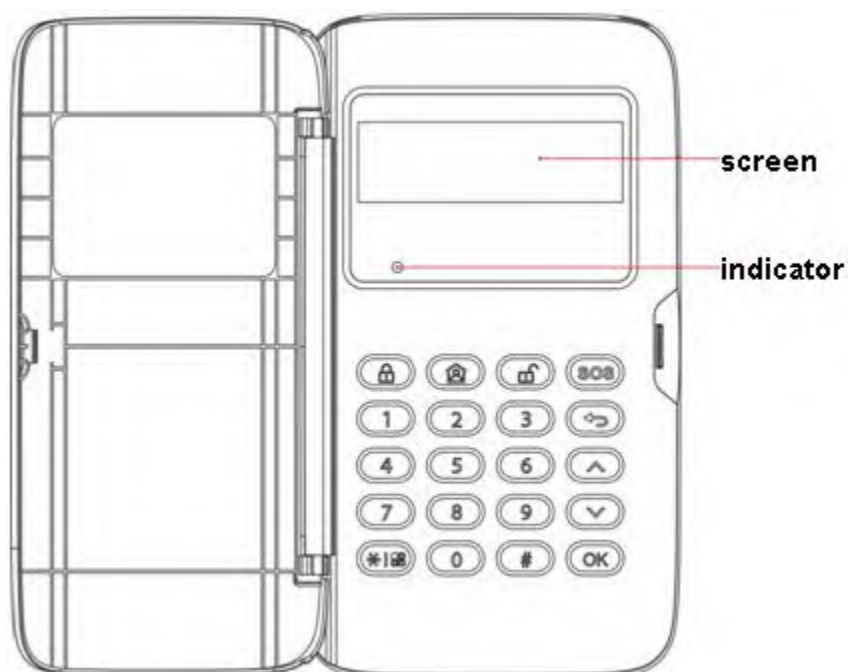


Figure 错误!文档中没有指定样式的文字。 -1

## DHI-ARK20C-MW

| Key                                                                                 | Name            | Note                                                                                                                                                                        |
|-------------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | Menu            | Click this key to: <ul style="list-style-type: none"> <li>• Enter main menu</li> <li>• Enter *.</li> </ul>                                                                  |
|    | Arm             | This key is used to quickly arm.<br>Note:<br>Valid in homepage only.                                                                                                        |
|    | Home Arm        | This key is used to quickly arm at home.<br>Note:<br>Valid in homepage only.                                                                                                |
|    | Disarm          | This key is used to quickly disarm.<br>Note:<br>Valid in homepage only.                                                                                                     |
|    | Emergency Alarm | Long press this key for 3s, buzzer starts to alarm, and send alarm info to controller.                                                                                      |
|    | Return          | Click this key, you can: <ul style="list-style-type: none"> <li>• Wireless match code.</li> <li>• Delete wrong input</li> <li>• Back to previous menu.</li> </ul>           |
|  | Page Up         | In menu, click this key to page up.                                                                                                                                         |
|  | Page Down       | Click this key, you can : <ul style="list-style-type: none"> <li>• In menu, click this key to page down.</li> <li>• Long press this key to view zone alarm info.</li> </ul> |
|  | OK              | Click this key, you can: <ul style="list-style-type: none"> <li>• Enter sub menu</li> <li>• Save setup.</li> <li>• Restart keypad.</li> </ul>                               |

# DHI-ARK30T-W2(868)

## Wireless Keypad



- Supports 3 shortcut alarms: Medical, fire, emergency.
- Arm/Disarm with password or IC card.
- Supports signal strength detection to select suitable installation sites.
- Low battery alarm.
- Temperature measurement.
- Frequency hopping function and two-way communication.
- Cloud update and automatic recovery from update failure.

### System Overview

Wireless Keypad is used with Alarm Hub, and supports multiple users, allowing each one to access the alarm security system with their own private passcode. The system also conveniently keeps a log of the operations performed by each user, making it easy to review and analyze usage history.

### Scene

Ideal for use in villas, shops, apartments and more.

### Technical Specification

#### Function

|                               |                                                            |
|-------------------------------|------------------------------------------------------------|
| Indicator Light               | 4 indicators (communication, arm/disarm, fault, and alarm) |
| Button                        | 15 buttons (0-9, *, #, arm, disarm, and home arm)          |
| Buzzer                        | 1 × built-in buzzer                                        |
| Arm and Disarm                | Password; IC card                                          |
| Remote Update                 | Cloud update                                               |
| Low Battery Detection         | Yes                                                        |
| Tamper                        | Yes                                                        |
| Measuring Range (Temperature) | -15 °C to +65 °C (+5 °F to +149 °F) (indoor)               |
| Measuring Accuracy            | 1 °C (33.8 °F)                                             |
| User Management               | 32 users                                                   |

#### Wireless

|                         |                     |
|-------------------------|---------------------|
| Carrier Frequency       | 868.0 MHz-868.6 MHz |
| Communication Mechanism | Two-way             |

|                        |                                              |
|------------------------|----------------------------------------------|
| Communication Distance | Up to 1,600 m (5,249.34 ft) in an open space |
| Encryption Mode        | AES128                                       |
| Frequency Hopping      | Yes                                          |

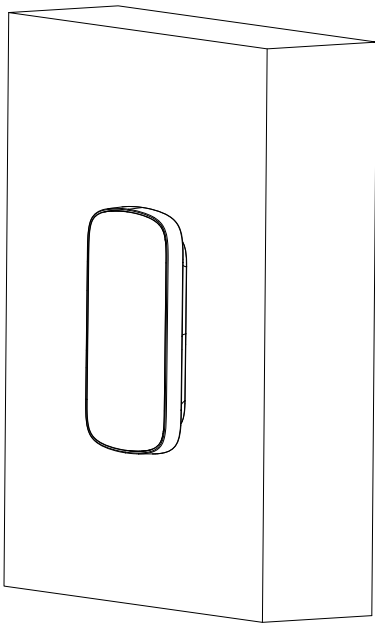
#### General

|                       |                                                                      |
|-----------------------|----------------------------------------------------------------------|
| Power Supply          | 4 × AA batteries                                                     |
| Battery Life          | 3 years (if the device is used to arm and disarm once a day)         |
| Power Consumption     | Max. 2.3 W                                                           |
| Operating Temperature | -10 °C to +55 °C (+14 °F to +131 °F) (indoor)                        |
| Operating Humidity    | 10%-90% (RH)                                                         |
| Product Dimensions    | 146.0 mm × 82.0 mm × 22.6 mm (5.75" × 3.23" × 0.89")                 |
| Packaging Dimensions  | 180.0 mm × 104.0 mm × 58.0 mm (7.07" × 4.09" × 2.28")                |
| Net Weight            | 240 g (0.529 lb) (with battery)<br>145 g (0.32 lb) (without battery) |
| Gross Weight          | 370 g (0.816 lb)                                                     |
| Installation          | Wall mount                                                           |
| Casing Material       | PC + ABS                                                             |
| Certifications        | CE                                                                   |

### Ordering Information

| Type   | Part Number        | Description     |
|--------|--------------------|-----------------|
| Keypad | DHI-ARK30T-W2(868) | Wireless Keypad |

Installation



Application



Alarm Hub

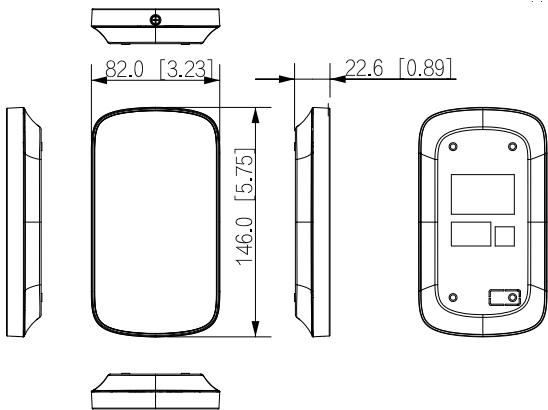


RF868



Wireless Keypad

Dimensions (mm[inch])



# DHI-ARK30T-W2

## Wireless Keypad



- Supports 3 shortcut alarms: Medical, fire, emergency.
- Arm/Disarm with password or IC card.
- Supports signal strength detection to select suitable installation sites.
- Low battery alarm.
- Temperature measurement.
- Frequency hopping function and two-way communication.
- Cloud update and automatic recovery from update failure.

### System Overview

Wireless Keypad is used with Alarm Hub, and supports multiple users, allowing each one to access the alarm security system with their own private passcode. The system also conveniently keeps a log of the operations performed by each user, making it easy to review and analyze usage history.

### Scene

Ideal for use in villas, shops, apartments and more.

### Technical Specification

#### Function

|                               |                                                            |
|-------------------------------|------------------------------------------------------------|
| Indicator Light               | 4 indicators (communication, arm/disarm, fault, and alarm) |
| Button                        | 15 buttons (0-9, *, #, arm, disarm, and home arm)          |
| Buzzer                        | 1 × built-in buzzer                                        |
| Arm and Disarm                | Password; IC card                                          |
| Remote Update                 | Cloud update                                               |
| Low Battery Detection         | Yes                                                        |
| Tamper                        | Yes                                                        |
| Measuring Range (Temperature) | -15 °C to +65 °C (+5 °F to +149 °F) (indoor)               |
| Measuring Accuracy            | 1 °C (33.8 °F)                                             |
| User Management               | 32 users                                                   |

#### Wireless

|                         |                     |
|-------------------------|---------------------|
| Carrier Frequency       | 433.1 MHz-434.6 MHz |
| Communication Mechanism | Two-way             |

|                        |                                              |
|------------------------|----------------------------------------------|
| Communication Distance | Up to 1,200 m (3,937.01 ft) in an open space |
| Encryption Mode        | AES128                                       |
| Frequency Hopping      | Yes                                          |

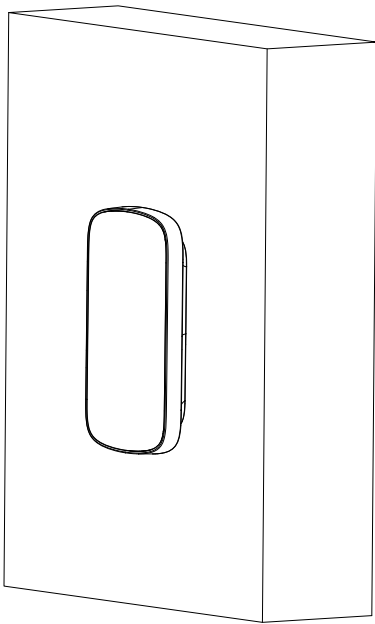
#### General

|                       |                                                                      |
|-----------------------|----------------------------------------------------------------------|
| Power Supply          | 4 × AA batteries                                                     |
| Battery Life          | 3 years (if the device is used to arm and disarm once a day)         |
| Power Consumption     | Max. 2.3 W                                                           |
| Operating Temperature | -10 °C to +55 °C (+14 °F to +131 °F) (indoor)                        |
| Operating Humidity    | 10%-90% (RH)                                                         |
| Product Dimensions    | 146.0 mm × 82.0 mm × 22.6 mm (5.75" × 3.23" × 0.89")                 |
| Packaging Dimensions  | 180.0 mm × 104.0 mm × 58.0 mm (7.07" × 4.09" × 2.28")                |
| Net Weight            | 240 g (0.529 lb) (with battery)<br>145 g (0.32 lb) (without battery) |
| Gross Weight          | 370 g (0.816 lb)                                                     |
| Installation          | Wall mount                                                           |
| Casing Material       | PC + ABS                                                             |
| Certifications        | CE                                                                   |

### Ordering Information

| Type   | Part Number   | Description     |
|--------|---------------|-----------------|
| Keypad | DHI-ARK30T-W2 | Wireless Keypad |

Installation



Application



Alarm Hub

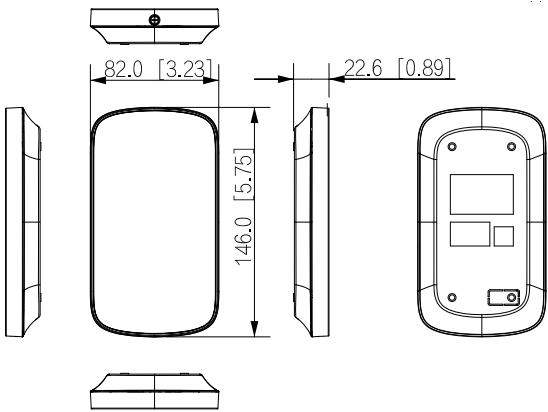


RF433



Wireless Keypad

Dimensions (mm[inch])



# DHI-ARM310-W2(868)

Wireless input expander



- Six types of alarm: intrusion, medical, fire, emergency, gas, and tamper.
- NC and NO are available for alarm inputs (NO by default).
- Signal strength detection.
- Low battery alarm.
- Temperature monitoring.
- Frequency hopping function and two-way communication technology ensure communication stability.
- Cloud update and automatic recovery from update failure.

## System Overview

Wireless input expander is a conversion device that connects to a detector through wired mode, and sends the message in wireless mode to the security system. It can be set up via the DMSS app for iOS and Android phones.

## Scene

Mainly applied for villas, shops, apartments, etc.

## Technical Specification

### Port

|                 |                             |
|-----------------|-----------------------------|
| Indicator Light | 1 × green alarm indicator   |
| Button          | 1 × power button            |
| Protection Zone | 1-channel dry contact input |

### Function

|                   |                           |
|-------------------|---------------------------|
| Tampering Alarm   | Yes                       |
| Remote Upgrade    | Cloud update              |
| Low Battery Alarm | Yes                       |
| Test Mode         | Yes                       |
| Search            | Signal strength detection |

### Wireless

|                         |                                              |
|-------------------------|----------------------------------------------|
| Carrier Frequency       | 868.0 MHz–868.6 MHz                          |
| Communication Distance  | Up to 1,200 m (3,937.01 ft) in an open space |
| Communication Mechanism | Two-way                                      |
| Frequency Hopping       | Yes                                          |

|                 |        |
|-----------------|--------|
| Encryption Mode | AES128 |
|-----------------|--------|

### General

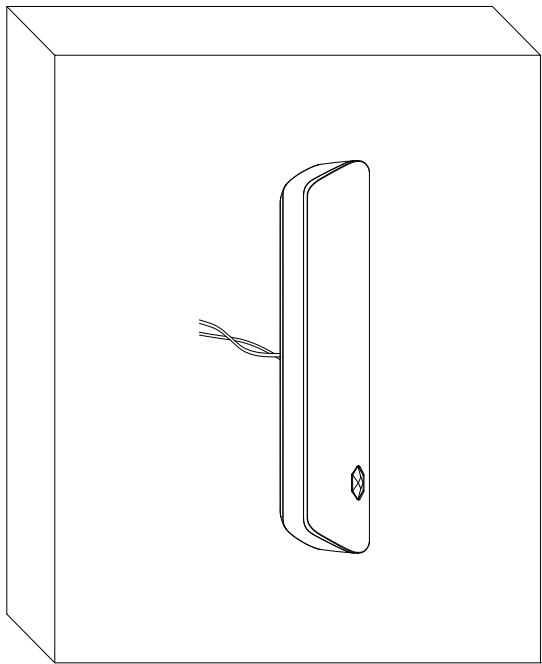
|                       |                                                                                             |
|-----------------------|---------------------------------------------------------------------------------------------|
| Power Supply Mode     | CR123A battery                                                                              |
| Power Consumption     | Max. 125 mW                                                                                 |
| Operating Temperature | −10 °C to +55 °C (+14 °F to +131 °F) (indoor)                                               |
| Operating Humidity    | 10%–90% (RH)                                                                                |
| Dimensions            | 100.2mm × 20.8mm × 20.3mm (3.94" × 0.82" × 0.80")                                           |
| Package Dimensions    | 135.0 mm × 98.5 mm × 27.8mm (5.31" × 3.88" × 1.09")                                         |
| Installation Mode     | Bracket mount                                                                               |
| Net Weight            | 70 g (0.15 lb)                                                                              |
| Gross Weight          | 115 g (0.25 lb)                                                                             |
| Certification         | CE                                                                                          |
| Battery Life          | 4 years (The external input type is NO)<br>2 years (The external input type is NC or Pulse) |
| Casing Material       | PC + ABS                                                                                    |

### Temperature

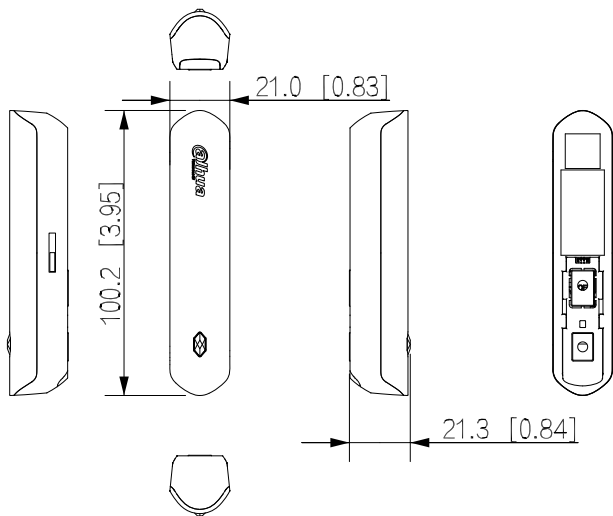
|                       |                                              |
|-----------------------|----------------------------------------------|
| Measurement Range     | −15 °C to +65 °C (+5 °F to +149 °F) (indoor) |
| Measurement Precision | ±1 °C (±1.8 °F)                              |
| Resolution            | 1 °C (33.8 °F)                               |

| Ordering Information    |                    |                          |
|-------------------------|--------------------|--------------------------|
| Type                    | Part Number        | Description              |
| Wireless input expander | DHI-ARM310-W2(868) | Single input transmitter |

Installation



Dimensions (mm[inch])



Application



# DHI-ARM310-W2

## Wireless input expander



- Six types of alarm: intrusion, medical, fire, emergency, gas, and tamper.
- NC and NO are available for alarm inputs (NO by default).
- Signal strength detection.
- Low battery alarm.
- Temperature monitoring.
- Frequency hopping function and two-way communication technology ensure communication stability.
- Cloud update and automatic recovery from update failure.

### System Overview

Wireless input expander is a conversion device that connects to a detector through wired mode, and sends the message in wireless mode to the security system. It can be set up via the DMSS app for iOS and Android phones.

### Scene

Mainly applied for villas, shops, apartments, etc.

### Technical Specification

#### Port

|                 |                             |
|-----------------|-----------------------------|
| Indicator Light | 1 × green alarm indicator   |
| Button          | 1 × power button            |
| Protection Zone | 1-channel dry contact input |

#### Function

|                   |                           |
|-------------------|---------------------------|
| Tampering Alarm   | Yes                       |
| Remote Upgrade    | Cloud update              |
| Low Battery Alarm | Yes                       |
| Test Mode         | Yes                       |
| Search            | Signal strength detection |

#### Wireless

|                         |                                              |
|-------------------------|----------------------------------------------|
| Carrier Frequency       | 433.1 MHz–434.6 MHz                          |
| Communication Distance  | Up to 1,000 m (3,280.84 ft) in an open space |
| Communication Mechanism | Two-way                                      |
| Frequency Hopping       | Yes                                          |

|                 |        |
|-----------------|--------|
| Encryption Mode | AES128 |
|-----------------|--------|

#### General

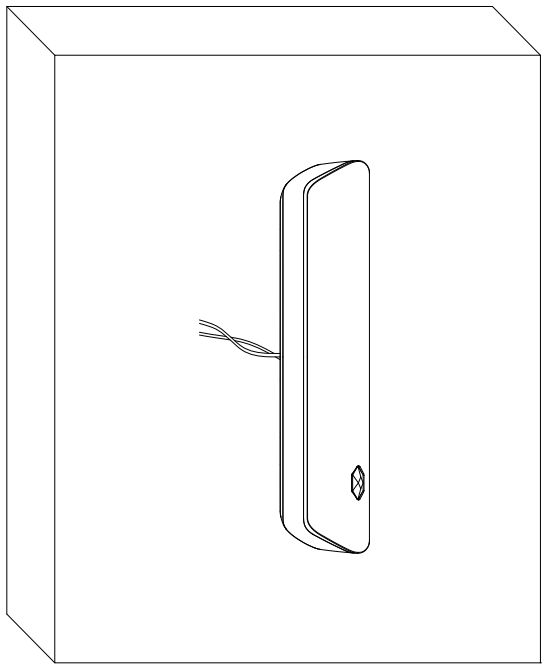
|                       |                                                                                             |
|-----------------------|---------------------------------------------------------------------------------------------|
| Power Supply Mode     | CR123A battery                                                                              |
| Power Consumption     | Max. 70 mW                                                                                  |
| Operating Temperature | −10 °C to +55 °C (+14 °F to +131 °F) (indoor)                                               |
| Operating Humidity    | 10%–90% (RH)                                                                                |
| Dimensions            | 100.2mm × 20.8mm × 20.3mm (3.94" × 0.82" × 0.80")                                           |
| Package Dimensions    | 135.0 mm × 98.5 mm × 27.8mm (5.31" × 3.88" × 1.09")                                         |
| Installation Mode     | Bracket mount                                                                               |
| Net Weight            | 70 g (0.15 lb)                                                                              |
| Gross Weight          | 115 g (0.25 lb)                                                                             |
| Certification         | CE                                                                                          |
| Battery Life          | 4 years (The external input type is NO)<br>2 years (The external input type is NC or Pulse) |
| Casing Material       | PC + ABS                                                                                    |

#### Temperature

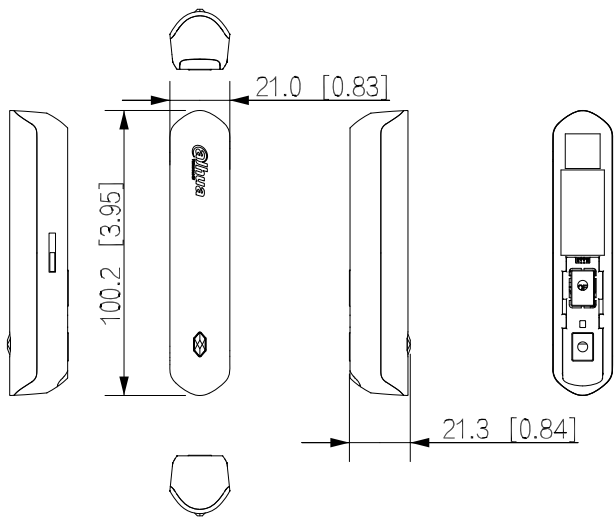
|                       |                                              |
|-----------------------|----------------------------------------------|
| Measurement Range     | −15 °C to +65 °C (+5 °F to +149 °F) (indoor) |
| Measurement Precision | ±1 °C (±1.8 °F)                              |
| Resolution            | 1 °C (33.8 °F)                               |

| Ordering Information    |               |                          |
|-------------------------|---------------|--------------------------|
| Type                    | Part Number   | Description              |
| Wireless input expander | DHI-ARM310-W2 | Single input transmitter |

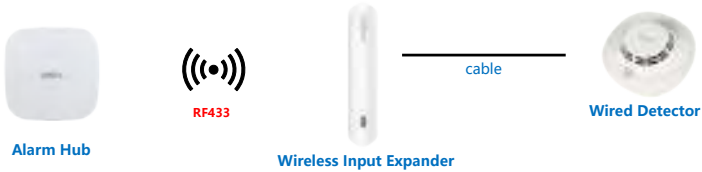
Installation



Dimensions (mm[inch])



Application



# DHI-ARM320-W2(868)

Dahua Wireless Input Expander



- Six types of alarms: Intrusion, medical, fire, emergency, gas, and tamper.
- Connects to external power supplies.
- Triggers alarms when the device is moved.
- Alarms go off when the device overheats.
- Cloud update.
- The two-way wireless encrypted communication mechanism improves the security and stability of communication.
- With the wireless frequency hopping mechanism, the device automatically hops to other available frequency bands when the original frequency band is being interfered with by other wireless radios, to ensure communication remains smooth.

## System Overview

The Wireless Input Expander is a conversion device that connects third-party detectors to Dahua Wireless Hub. When the alarm of the third-party detector is triggered, the Expander sends the signal to the Hub through RF, and then the Hub reports it to platforms. Different alarm types can be configured on the DMSS app, depending on the types of connected detectors. The expander has a triaxial accelerometer in it to prevent the device from movement. An input channel is also provided to connect the tamper port of the third-party detectors. The Expander is powered by dry batteries, and can also provide power supply for detectors connected to it.

## Technical Specification

### Port

|                        |                                          |
|------------------------|------------------------------------------|
| Alarm Input            | 2 (1 for alarm and 1 for anti-tampering) |
| Auxiliary Power Output | 3.3 V, up to 10 mA                       |

### Function

|                               |                                               |
|-------------------------------|-----------------------------------------------|
| Button                        | 1 × power button                              |
| Remote Update                 | Cloud update                                  |
| Low Battery Detection         | Yes                                           |
| Tamper                        | Yes                                           |
| Measuring Range (Temperature) | −10 °C to +55 °C (+14 °F to +131 °F) (indoor) |

### Technical

|               |                           |
|---------------|---------------------------|
| Sensor        | Triaxial accelerometer    |
| LED Indicator | 1 × green alarm indicator |
| Scenario      | Indoor                    |

|                   |                                                                                                                                  |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Operating Current | 45 uA (with 1 min heartbeat, normally open mode, charge not being provided for other devices and device moved alarm not enabled) |
| Alarm Current     | 50 mA                                                                                                                            |

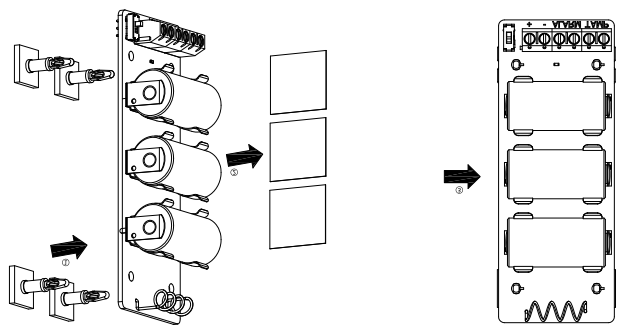
### Wireless

|                         |                                            |
|-------------------------|--------------------------------------------|
| Carrier Frequency       | 868.0 MHz–868.6 MHz                        |
| Communication Mechanism | Two-way                                    |
| Communication Distance  | Up to 1600 m (5249.34 ft) in an open space |
| Encryption Mode         | AES128                                     |
| Frequency Hopping       | Yes                                        |

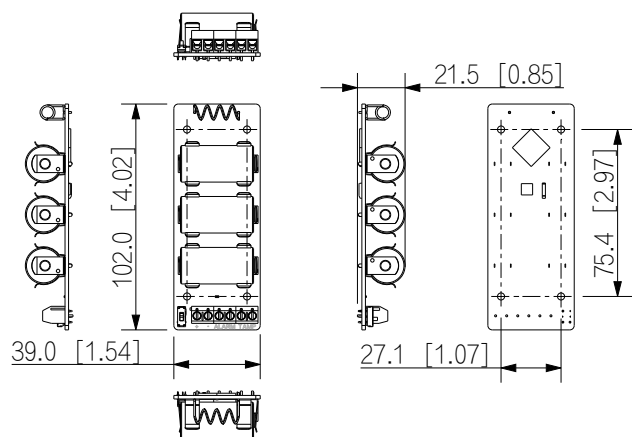
### General

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| Power Supply          | 3 × CR123A battery                                       |
| Battery Model         | CR123A                                                   |
| Battery Life          | 5 years (4 years if the external input type is pulse)    |
| Power Consumption     | Max. 150 mW (without providing charge for other devices) |
| Operating Temperature | −10 °C to +55 °C (+14 °F to +131 °F) (indoor)            |
| Operating Humidity    | 10%–90% (RH)                                             |
| Product Dimensions    | 102 mm × 39 mm × 21.5 mm (4.02" × 1.54" × 0.85")         |
| Net Weight            | 77 g (0.17 lb)                                           |
| Gross Weight          | 135 g (0.30 lb)                                          |
| Installation          | Surface mount, or mount inside a third-party device      |
| Certifications        | CE                                                       |
| Anti-corrosion Level  | Basic Protection                                         |
| Packaging Dimensions  | 95 mm × 43 mm × 139 mm (3.74" × 1.69" × 5.47")           |

Installation



Dimensions (mm/inch)



# DHI-ARM320-W2

## Dahua Wireless Input Expander



- Six types of alarms: Intrusion, medical, fire, emergency, gas, and tamper.
- Connects to external power supplies.
- Triggers alarms when the device is moved.
- Alarms go off when the device overheats.
- Cloud update.
- The two-way wireless encrypted communication mechanism improves the security and stability of communication.
- With the wireless frequency hopping mechanism, the device automatically hops to other available frequency bands when the original frequency band is being interfered with by other wireless radios, to ensure communication remains smooth.

### System Overview

The Wireless Input Expander is a conversion device that connects third-party detectors to Dahua Wireless Hub. When the alarm of the third-party detector is triggered, the Expander sends the signal to the Hub through RF, and then the Hub reports it to platforms. Different alarm types can be configured on the DMSS app, depending on the types of connected detectors. The expander has a triaxial accelerometer in it to prevent the device from movement. An input channel is also provided to connect the tamper port of the third-party detectors. The Expander is powered by dry batteries, and can also provide power supply for detectors connected to it.

### Technical Specification

#### Port

|                        |                                          |
|------------------------|------------------------------------------|
| Alarm Input            | 2 (1 for alarm and 1 for anti-tampering) |
| Auxiliary Power Output | 3.3 V, up to 10 mA                       |

#### Function

|                               |                                               |
|-------------------------------|-----------------------------------------------|
| Button                        | 1 × power button                              |
| Remote Update                 | Cloud update                                  |
| Low Battery Detection         | Yes                                           |
| Tamper                        | Yes                                           |
| Measuring Range (Temperature) | −10 °C to +55 °C (+14 °F to +131 °F) (indoor) |

#### Technical

|               |                           |
|---------------|---------------------------|
| Sensor        | Triaxial accelerometer    |
| Test Mode     | Yes                       |
| LED Indicator | 1 × green alarm indicator |
| Scenario      | Indoor                    |

|                   |                                                                                                                                  |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Operating Current | 45 uA (with 1 min heartbeat, normally open mode, charge not being provided for other devices and device moved alarm not enabled) |
| Alarm Current     | 50 mA                                                                                                                            |

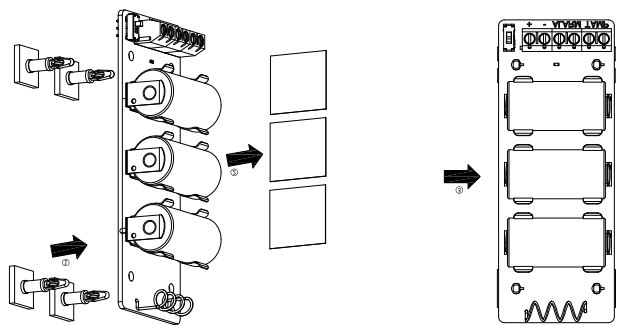
#### Wireless

|                         |                                            |
|-------------------------|--------------------------------------------|
| Carrier Frequency       | 433.1 MHz–434.6 MHz                        |
| Communication Mechanism | Two-way                                    |
| Communication Distance  | Up to 1300 m (4265.10 ft) in an open space |
| Encryption Mode         | AES128                                     |
| Frequency Hopping       | Yes                                        |

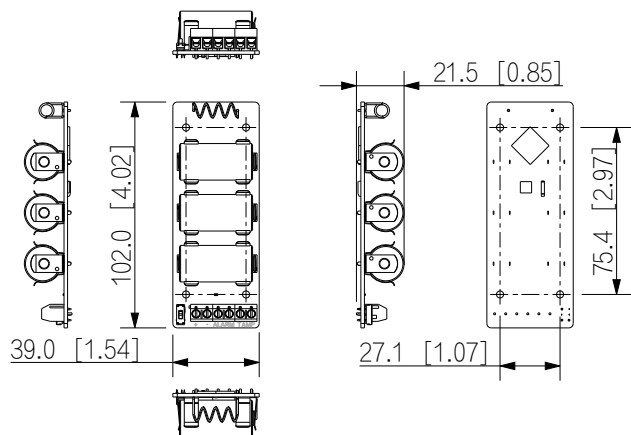
#### General

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| Power Supply          | 3 × CR123A battery                                       |
| Battery Model         | CR123A                                                   |
| Battery Life          | 5 years (4 years if the external input type is pulse)    |
| Power Consumption     | Max. 150 mW (without providing charge for other devices) |
| Operating Temperature | −10 °C to +55 °C (+14 °F to +131 °F) (indoor)            |
| Operating Humidity    | 10%–90% (RH)                                             |
| Product Dimensions    | 102 mm × 39 mm × 21.5 mm (4.02" × 1.54" × 0.85")         |
| Net Weight            | 77 g (0.17 lb)                                           |
| Gross Weight          | 135 g (0.30 lb)                                          |
| Installation          | Surface mount, or mount inside a third-party device      |
| Certifications        | CE                                                       |
| Anti-corrosion Level  | Basic Protection                                         |
| Packaging Dimensions  | 95 mm × 43 mm × 139 mm (3.74" × 1.69" × 5.47")           |

Installation



Dimensions (mm/inch)



# DHI-ARM7011-W2(868)

Dahua Wireless Relay



- Frequency hopping and two-way communication technology ensure that communication is stable.
- Supports jamming detection and communication encryption.
- Supports cloud update and automatically restores when cloud update fails.
- Overheating protection.
- Voltage detection.
- 1 channel external tamper input.

## System Overview

Relay is a dry contact device that is used to remotely control 0–36 VDC power. The dry contact of the relay is electrically isolated from the power supply circuit of the device. Relay can be used in low-voltage to control the supply of power to other devices. The device comes with overvoltage protection and overheating protection.

## Technical Specification

### Port

|              |                             |
|--------------|-----------------------------|
| Alarm Input  | 1 for tamper, NO/NC         |
| Relay Output | 1, NO/NC (0–36 VDC, Max 5A) |

### Function

|                 |                                                  |
|-----------------|--------------------------------------------------|
| Indicator Light | 1 for multiple statuses (pairing, communication) |
| Button          | 1                                                |
| Remote Update   | Cloud update                                     |

### Technical

|           |     |
|-----------|-----|
| Test Mode | Yes |
|-----------|-----|

### Wireless

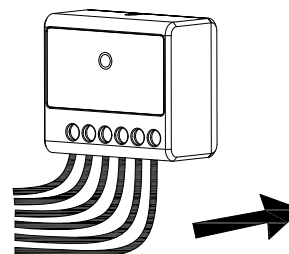
|                         |                                   |
|-------------------------|-----------------------------------|
| Carrier Frequency       | 868.0 MHz–868.6 MHz               |
| Communication Mechanism | Two-way                           |
| Communication Distance  | 1200 m (3937.01 ft) in open areas |
| Encryption Mode         | AES128                            |
| Frequency Hopping       | Yes                               |

### General

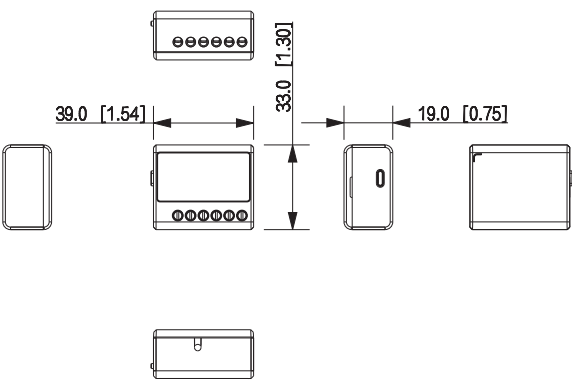
|                       |                                               |
|-----------------------|-----------------------------------------------|
| Power Supply          | 7–24 VDC                                      |
| Operating Temperature | –10 °C to +55 °C (+14 °F to +131 °F) (indoor) |

|                      |                                                   |
|----------------------|---------------------------------------------------|
| Operating Humidity   | 10%–90% (RH)                                      |
| Storage Temperature  | –10 °C to +55 °C (+14 °F to +131 °F)              |
| Storage Humidity     | 10%–90% (RH)                                      |
| Product Dimensions   | 39 mm × 33 mm × 19 mm (1.54" × 1.30" × 0.75")     |
| Packaging Dimensions | 95 mm × 59.5 mm × 30.5 mm (3.74" × 2.34" × 1.20") |
| Net Weight           | 45 g (0.10 lb)                                    |
| Gross Weight         | 60 g (0.13 lb)                                    |
| Installation         | Wall mount                                        |
| Casing Material      | PC + ABS                                          |
| Certifications       | CE                                                |

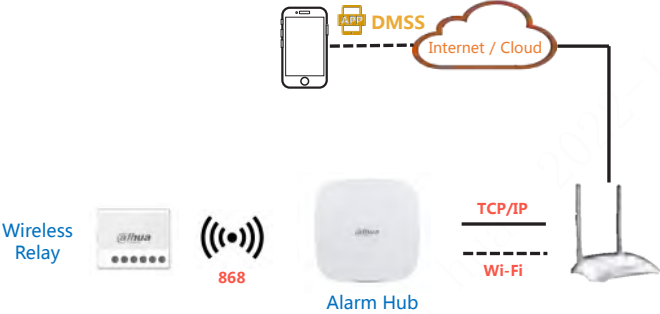
## Installation



Dimensions (mm[inch])



Application



# DHI-ARM7011-W2

## Dahua Wireless Relay



- Frequency hopping and two-way communication technology ensure that communication is stable.
- Supports jamming detection and communication encryption.
- Supports cloud update and automatically restores when cloud update fails.
- Overheating protection.
- Voltage detection.
- 1 channel external tamper input.

### System Overview

Relay is a dry contact device that is used to remotely control 0–36 VDC power. The dry contact of the relay is electrically isolated from the power supply circuit of the device. Relay can be used in low-voltage to control the supply of power to other devices. The device comes with overvoltage protection and overheating protection.

### Technical Specification

#### Port

|              |                             |
|--------------|-----------------------------|
| Alarm Input  | 1 for tamper, NO/NC         |
| Relay Output | 1, NO/NC (0–36 VDC, Max 5A) |

#### Function

|                 |                                                  |
|-----------------|--------------------------------------------------|
| Indicator Light | 1 for multiple statuses (pairing, communication) |
| Button          | 1                                                |
| Remote Update   | Cloud update                                     |

#### Technical

|           |     |
|-----------|-----|
| Test Mode | Yes |
|-----------|-----|

#### Wireless

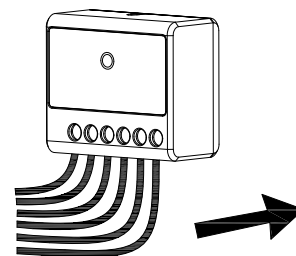
|                         |                                  |
|-------------------------|----------------------------------|
| Carrier Frequency       | 433.1 MHz–434.6 MHz              |
| Communication Mechanism | Two-way                          |
| Communication Distance  | 800 m (2624.67 ft) in open areas |
| Encryption Mode         | AES128                           |
| Frequency Hopping       | Yes                              |

#### General

|                       |                                               |
|-----------------------|-----------------------------------------------|
| Power Supply          | 7–24 VDC                                      |
| Operating Temperature | –10 °C to +55 °C (+14 °F to +131 °F) (indoor) |

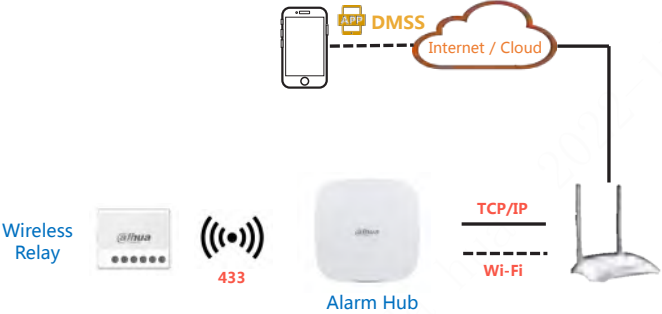
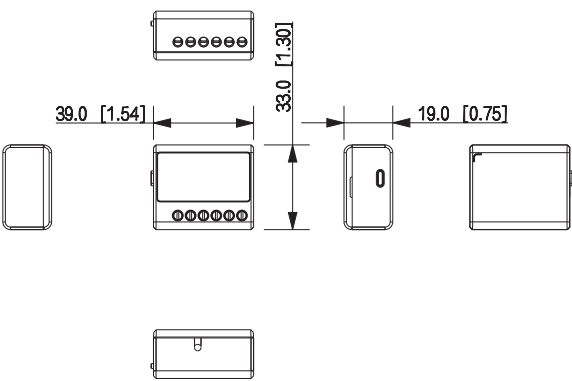
|                      |                                                   |
|----------------------|---------------------------------------------------|
| Operating Humidity   | 10%–90% (RH)                                      |
| Storage Temperature  | –10 °C to +55 °C (+14 °F to +131 °F)              |
| Storage Humidity     | 10%–90% (RH)                                      |
| Product Dimensions   | 39 mm × 33 mm × 19 mm (1.54" × 1.30" × 0.75")     |
| Packaging Dimensions | 95 mm × 59.5 mm × 30.5 mm (3.74" × 2.34" × 1.20") |
| Net Weight           | 45 g (0.10 lb)                                    |
| Gross Weight         | 60 g (0.13 lb)                                    |
| Installation         | Wall mount                                        |
| Casing Material      | PC + ABS                                          |
| Certifications       | CE, FCC                                           |

### Installation



Dimensions (mm[inch])

Application



# DHI-ARM7012-W2(868)

Dahua Wireless WallSwitch



- Frequency hopping and two-way communication technology ensure that communication is stable.
- Supports jamming detection and communication encryption.
- Supports cloud update and automatically restores when cloud update fails.
- Overheat and overload protection.
- Monitors voltage, current and energy consumption.

## System Overview

WallSwitch is a power switch that can be used to remotely control 100–240 VAC power. The output terminal N is directly connected to the power input terminal N, and the connection between the output terminal L and the power input terminal L is controlled through opening and closing of the built-in relay. The switch not only measures power consumption, but also comes with protection against overvoltage, overload and overheating.

## Technical Specification

### Port

|              |                                 |
|--------------|---------------------------------|
| Relay Output | 1, NO/NC (100–240 VAC, Max 13A) |
|--------------|---------------------------------|

### Function

|                 |                                                  |
|-----------------|--------------------------------------------------|
| Indicator Light | 1 for multiple statuses (pairing, communication) |
| Button          | 1                                                |
| Remote Update   | Cloud update                                     |

### Technical

|           |     |
|-----------|-----|
| Test Mode | Yes |
|-----------|-----|

### Wireless

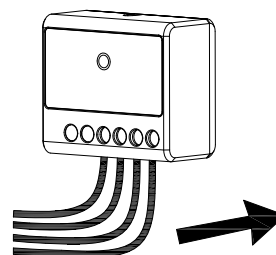
|                         |                                   |
|-------------------------|-----------------------------------|
| Carrier Frequency       | 868.0 MHz–868.6 MHz               |
| Communication Mechanism | Two-way                           |
| Communication Distance  | 1200 m (3937.01 ft) in open areas |
| Encryption Mode         | AES128                            |
| Frequency Hopping       | Yes                               |

### General

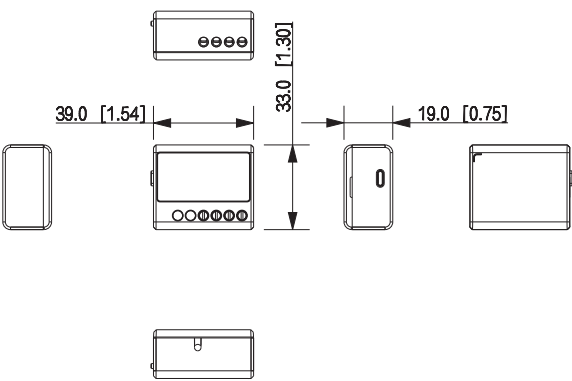
|                       |                                               |
|-----------------------|-----------------------------------------------|
| Power Supply          | 100–240 VAC, 50/60 HZ                         |
| Operating Temperature | –10 °C to +55 °C (+14 °F to +131 °F) (indoor) |

|                      |                                                   |
|----------------------|---------------------------------------------------|
| Operating Humidity   | 10%–90% (RH)                                      |
| Storage Temperature  | –10 °C to +55 °C (+14 °F to +131 °F)              |
| Storage Humidity     | 10%–90% (RH)                                      |
| Product Dimensions   | 39 mm × 33 mm × 19 mm (1.54" × 1.30" × 0.75")     |
| Packaging Dimensions | 95 mm × 59.5 mm × 30.5 mm (3.74" × 2.34" × 1.20") |
| Net Weight           | 45 g (0.10 lb)                                    |
| Gross Weight         | 60 g (0.13 lb)                                    |
| Installation         | Wall mount                                        |
| Casing Material      | Plastic                                           |
| Certifications       | CE                                                |

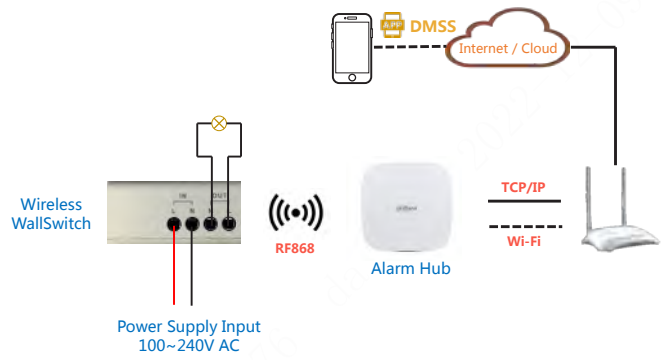
## Installation



Dimensions (mm[inch])



Application



# DHI-ARM7012-W2

Dahua Wireless WallSwitch



- Frequency hopping and two-way communication technology ensure that communication is stable.
- Supports jamming detection and communication encryption.
- Supports cloud update and automatically restores when cloud update fails.
- Overheat and overload protection.
- Monitors voltage, current and energy consumption.

## System Overview

WallSwitch is a power switch that can be used to remotely control 100–240 VAC power. The output terminal N is directly connected to the power input terminal N, and the connection between the output terminal L and the power input terminal L is controlled through opening and closing of the built-in relay. The switch not only measures power consumption, but also comes with protection against overvoltage, overload and overheating.

## Technical Specification

### Port

|              |                                  |
|--------------|----------------------------------|
| Relay Output | 1, NO/NC (100–240 VAC, Max 13 A) |
|--------------|----------------------------------|

### Function

|                 |                                                  |
|-----------------|--------------------------------------------------|
| Indicator Light | 1 for multiple statuses (pairing, communication) |
| Button          | 1                                                |
| Remote Update   | Cloud update                                     |

### Technical

|           |     |
|-----------|-----|
| Test Mode | Yes |
|-----------|-----|

### Wireless

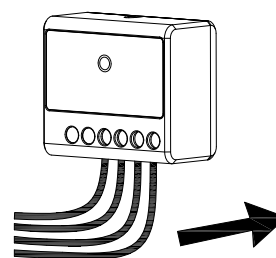
|                         |                                  |
|-------------------------|----------------------------------|
| Carrier Frequency       | 433.1 MHz–434.6 MHz              |
| Communication Mechanism | Two-way                          |
| Communication Distance  | 800 m (2624.67 ft) in open areas |
| Encryption Mode         | AES128                           |
| Frequency Hopping       | Yes                              |

### General

|                       |                                               |
|-----------------------|-----------------------------------------------|
| Power Supply          | 100–240 VAC, 50/60 HZ                         |
| Operating Temperature | –10 °C to +55 °C (+14 °F to +131 °F) (indoor) |

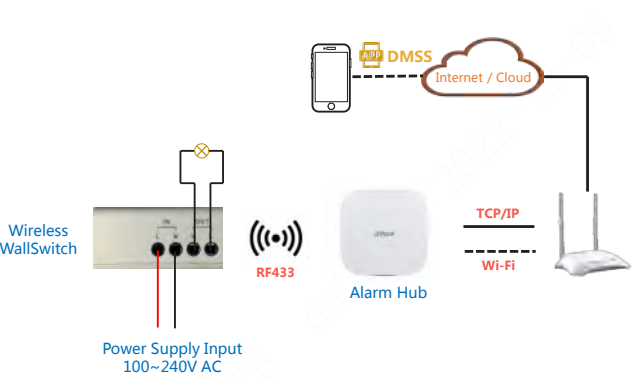
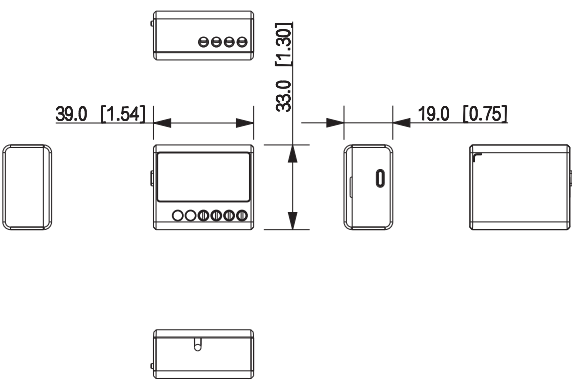
|                      |                                                   |
|----------------------|---------------------------------------------------|
| Operating Humidity   | 10%–90% (RH)                                      |
| Storage Temperature  | –10 °C to +55 °C (+14 °F to +131 °F)              |
| Storage Humidity     | 10%–90% (RH)                                      |
| Product Dimensions   | 39 mm × 33 mm × 19 mm (1.54" × 1.30" × 0.75")     |
| Packaging Dimensions | 95 mm × 59.5 mm × 30.5 mm (3.74" × 2.34" × 1.20") |
| Net Weight           | 45 g (0.10 lb)                                    |
| Gross Weight         | 60 g (0.13 lb)                                    |
| Installation         | Wall mount                                        |
| Casing Material      | Plastic                                           |
| Certifications       | CE                                                |

## Installation



Dimensions (mm[inch])

Application



# DHI-ICS1-W2(868)

## Smart Plug



The Smart Plug is a highly intuitive power switch. It can be remotely controlled through the mobile app, scheduled to turn on and off, and set to activate automatically when alarms are triggered or the system is armed or disarmed.

### Scene

Suitable for scenes where remote control, electrical safety and energy efficiency are prioritized such as houses, stores and office buildings.

### Technical Specification

#### Port

|              |                                       |
|--------------|---------------------------------------|
| Relay Output | 1 port, NO/NC (100–240 VAC, max 16 A) |
|--------------|---------------------------------------|

#### Wireless

|                         |                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Indicator Light         | 1 indicator light, displays multiple status<br>Flash green: pairing<br>Solid green: the circuit is closed<br>Light off: the circuit is open |
| Remote Update           | Supports cloud update                                                                                                                       |
| Button                  | 1 button, perform multiple operations (open/close the circuit, restore to the factory settings and pair)                                    |
| Signal Strength         | Supports detecting signal strength.                                                                                                         |
| Carrier Frequency       | 868 MHz                                                                                                                                     |
| Communication Distance  | In an open environment: 1,600 m (5249.34 ft)                                                                                                |
| Transmit Power          | 16 dBm                                                                                                                                      |
| Communication Mechanism | Two-way communication.                                                                                                                      |
| Encryption              | AES-128                                                                                                                                     |
| Frequency Hopping       | Yes                                                                                                                                         |

- Two-way RF communication.
- Displays the status with an LED indicator.
- Supports cloud update and auto recovery after an update fails.
- Offers protection against overcurrent, overvoltage, and overheating.
- Measure the voltage, current and temperature.
- Generates power consumption statistics and it can be reset to clear the statistics.
- Output control mode can be selected between bistable and pulse modes.

### General

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Operating Temperature | Indoor: -10 °C to +55 °C (+14 °F to +131 °F)              |
| Operating Humidity    | 10%–90%(RH), non-condensing                               |
| Storage Temperature   | -10 °C to +55 °C (+14 °F to +131 °F)                      |
| Storage Humidity      | 10%–90%(RH), non-condensing                               |
| Power Supply          | 100–240 VAC, 50/60 Hz                                     |
| Product Dimensions    | 52 mm × 52 mm × 82 mm (2.05" × 2.05" × 8.32") (L × W × H) |
| Installation          | With power strip/2 Pin                                    |
| Net Weight            | 83 g (0.18 lb)                                            |
| Power Consumption     | 0.3 W                                                     |
| Certifications        | CE                                                        |
| Casing Material       | PC                                                        |

### Data Monitoring

|                 |                               |
|-----------------|-------------------------------|
| Data Monitoring | Yes                           |
| Data Type       | Current; voltage; temperature |

### Accuracy

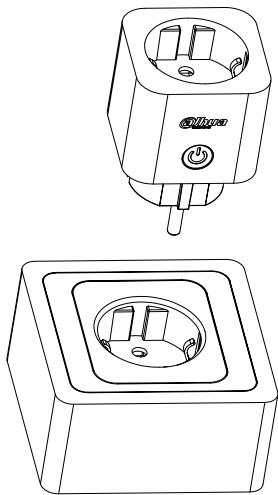
|                                          |                                                                            |
|------------------------------------------|----------------------------------------------------------------------------|
| Current Measurement Accuracy             | Protection range: 0 A–16 A<br>Measurement Accuracy: level 1.0 and above.   |
| Voltage Measurement Accuracy             | Protection range: 0 V –250 V<br>Measurement Accuracy: level 1.0 and above. |
| Internal Temperature Monitoring Accuracy | Protection range: 0°C –55 °C<br>Measurement Accuracy: ±2% or ±2 °C         |

### Alarm

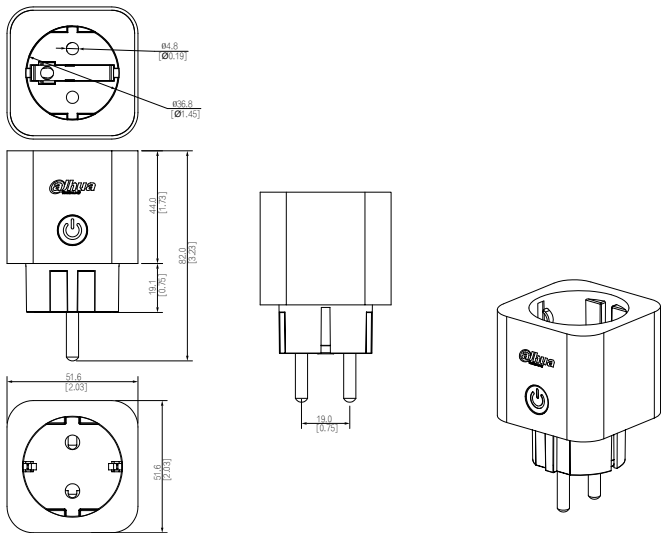
|            |                                                     |
|------------|-----------------------------------------------------|
| Alarm Type | Alarm for overcurrent, overvoltage, and overheating |
|------------|-----------------------------------------------------|

| Ordering Information |                  |             |
|----------------------|------------------|-------------|
| Type                 | Model            | Description |
| Smart Plug           | DHI-ICS1-W2(868) | Smart Plug  |

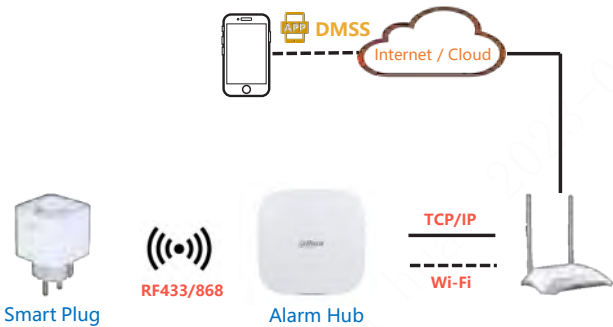
Installation



Dimensions (mm[inch])



Application



# DHI-ICS1-W2

## Smart Plug



The Smart Plug is a highly intuitive power switch. It can be remotely controlled through the mobile app, scheduled to turn on and off, and set to activate automatically when alarms are triggered or the system is armed or disarmed.

### Scene

Suitable for scenes where remote control, electrical safety and energy efficiency are prioritized such as houses, stores and office buildings.

### Technical Specification

#### Port

|              |                                       |
|--------------|---------------------------------------|
| Relay Output | 1 port, NO/NC (100–240 VAC, max 16 A) |
|--------------|---------------------------------------|

#### Wireless

|                         |                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Indicator Light         | 1 indicator light, displays multiple status<br>Flash green: pairing<br>Solid green: the circuit is closed<br>Light off: the circuit is open |
| Remote Update           | Supports cloud update                                                                                                                       |
| Button                  | 1 button, perform multiple operations (open/close the circuit, restore to the factory settings and pair)                                    |
| Signal Strength         | Supports detecting signal strength.                                                                                                         |
| Carrier Frequency       | 433 MHz                                                                                                                                     |
| Communication Distance  | In an open environment: 800 m (2,624.67 ft)                                                                                                 |
| Transmit Power          | 12 dbm                                                                                                                                      |
| Communication Mechanism | Two-way communication.                                                                                                                      |
| Encryption              | AES-128                                                                                                                                     |
| Frequency Hopping       | Yes                                                                                                                                         |

- Two-way RF communication.
- Displays the status with an LED indicator.
- Supports cloud update and auto recovery after an update fails.
- Offers protection against overcurrent, overvoltage, and overheating.
- Measure the voltage, current and temperature.
- Generates power consumption statistics and it can be reset to clear the statistics.
- Output control mode can be selected between bistable and pulse modes.

### General

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Operating Temperature | Indoor: –10 °C to +55 °C (+14 °F to +131 °F)              |
| Operating Humidity    | 10%–90% (RH), non-condensing                              |
| Storage Temperature   | –10 °C to +55 °C (+14 °F to +131 °F)                      |
| Storage Humidity      | 10%–90% (RH), non-condensing                              |
| Power Supply          | 100–240 VAC, 50/60 Hz                                     |
| Product Dimensions    | 52 mm × 52 mm × 82 mm (2.05" × 2.05" × 8.32") (L × W × H) |
| Installation          | With power strip/2 Pin                                    |
| Net Weight            | 83 g (0.18 lb)                                            |
| Power Consumption     | 0.3 W                                                     |
| Certifications        | CE                                                        |
| Casing Material       | PC                                                        |

### Data Monitoring

|                 |                               |
|-----------------|-------------------------------|
| Data Monitoring | Yes                           |
| Data Type       | Current; voltage; temperature |

### Accuracy

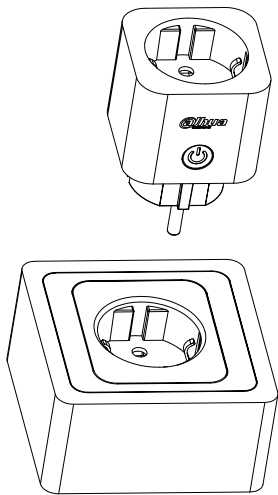
|                                          |                                                                           |
|------------------------------------------|---------------------------------------------------------------------------|
| Current Measurement Accuracy             | Protection range: 0 A-16 A<br>Measurement Accuracy: level 1.0 and above.  |
| Voltage Measurement Accuracy             | Protection range: 0 V-250 V<br>Measurement Accuracy: level 1.0 and above. |
| Internal Temperature Monitoring Accuracy | Protection range: 0 °C–55 °C<br>Measurement Accuracy: ±2% or ±2 °C        |

### Alarm

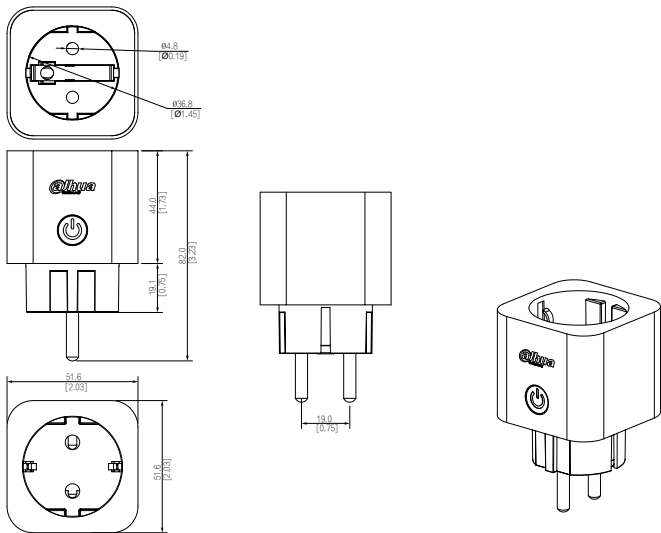
|            |                                                     |
|------------|-----------------------------------------------------|
| Alarm Type | Alarm for overcurrent, overvoltage, and overheating |
|------------|-----------------------------------------------------|

| Ordering Information |             |             |
|----------------------|-------------|-------------|
| Type                 | Model       | Description |
| Smart Plug           | DHI-ICS1-W2 | Smart Plug  |

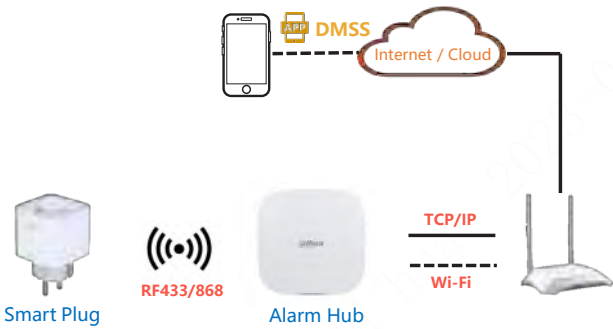
Installation



Dimensions (mm[inch])



Application





**KITS**  
SANS FILS

# DHI-ART-ARC3000H-03-FW2(868)

## Alarm KIT



### System Overview

An all new industrial design and advanced technological system, makes the new generation of wireless alarm products easier to install, look better, communicate more reliably and perform more stably. From the comfort of the mobile apps DMSS (for end users) and COS Pro (for installers), receive notifications in real-time, control and manage your devices, perform remote operations, and more.

### Scene

Mainly applied for villas, shops, apartments, etc.

### Technical Specification

#### Input and Output

|                          |                                                                       |
|--------------------------|-----------------------------------------------------------------------|
| Wireless Protection Zone | Hub: 150-channel wireless peripherals (6 sirens, 64 wireless keyfobs) |
|--------------------------|-----------------------------------------------------------------------|

#### Port

|                 |                                                                                                                                                                                                                                                      |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Buzzer          | Hub: Built-in                                                                                                                                                                                                                                        |
| Button          | Hub: 1 × reset, 1 × power, 1 × AP<br>Keyfob: 4 (Home, Away, Disarm, and SOS)<br>Door Detector: 1 × power button<br>PIR Detector: 1 × power button                                                                                                    |
| Indicator Light | Hub: 1 for multiple statuses (alarm, arming, disarming, networking, and malfunction)<br>Keyfob: 1 × two-color status indicator (green: normal, red: abnormal)<br>Door Detector: 1 × green alarm indicator<br>PIR Detector: 1 × green alarm indicator |
| Storage battery | Hub: Built-in lithium battery                                                                                                                                                                                                                        |
| Network Mode    | Single SIM (GSM:900/1800 MHz, WCDMA:B1/B5/B8, LTE-FDD:B1/B3/B5/B7/B8/B20, LTE-TDD:B38/B40/B41); dual SIM single standby                                                                                                                              |
| Network Port    | Hub: 1 × RJ-45 10 M/100 M Ethernet port                                                                                                                                                                                                              |

#### Function

|                  |                                                        |
|------------------|--------------------------------------------------------|
| Network Protocol | Hub: TCP/IP, including PPTP, L2TP, DHCP, UPNP, and NTP |
|------------------|--------------------------------------------------------|

- Supports 150 wireless peripherals (6 sirens, 64 wireless keyfobs).
- Peripherals status display (signal strength, battery level, temperature, program version).
- Dual SIM and Single Standby, auto switching.
- Automatic network replenishment (ANR).
- Video linkage on App.
- SOS emergency alarm.
- Frequency hopping function and two-way communication technology ensure communication stability.
- Cloud update and automatic recovery from update failure.

|                                                    |                                                                                                                                                                                                                          |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Offline Cache                                      | Hub: Max. 50 entries (ANR)                                                                                                                                                                                               |
| Power Failure Protection for Configured Parameters | Hub: Yes                                                                                                                                                                                                                 |
| Remote Update                                      | All: Cloud update                                                                                                                                                                                                        |
| Video Linkage                                      | Hub: Yes                                                                                                                                                                                                                 |
| SMS                                                | Hub: Yes (up to 5 phone numbers)                                                                                                                                                                                         |
| Phone Call                                         | Hub: Yes (up to 5 phone numbers)                                                                                                                                                                                         |
| Low Battery Alarm                                  | All: Yes                                                                                                                                                                                                                 |
| Tamper Alarm                                       | Hub: Yes<br>Door Detector: Yes<br>PIR Detector: Yes                                                                                                                                                                      |
| User Management                                    | Hub: Share function for App users                                                                                                                                                                                        |
| Search                                             | Hub: Searching push messages, device status, and program version. Detecting signal strength.<br>Keyfob: Signal strength detection<br>Door Detector: Signal strength detection<br>PIR Detector: Signal strength detection |
| Arm and Disarm                                     | Hub: App; keyfob; schedule                                                                                                                                                                                               |

### Wireless

|                         |                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Carrier Frequency       | All: 868.0 MHz~868.6 MHz                                                                                                                                                                                                             |
| Communication Distance  | Hub: Up to 2,000 m (6,561.68 ft) in an open space<br>Keyfob: Up to 900 m (2,952.76 ft) in an open space<br>Door Detector: Up to 1,200 m (3,937.01 ft) in an open space<br>PIR Detector: Up to 1,600 m (5,249.34 ft) in an open space |
| Communication Mechanism | All: Two-way                                                                                                                                                                                                                         |
| Encryption Mode         | All: AES128                                                                                                                                                                                                                          |
| Frequency Hopping       | All: Yes                                                                                                                                                                                                                             |
| Wi-Fi                   | Hub: 2.4G                                                                                                                                                                                                                            |

## Peripherals

|                                   |                                                                                                                                 |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| External Zone                     | Door Detector: 1-channel dry contact input                                                                                      |
| Temperature                       |                                                                                                                                 |
| Measuring Range (Temperature)     | Door Detector: -15 °C to +65 °C (+18.8 °F to +149 °F) (indoor)<br>PIR Detector: -15 °C to +65 °C (+18.8 °F to +149 °F) (indoor) |
| Measuring Precision (Temperature) | Door Detector: ± 1 °C (± 33.8 °F)<br>PIR Detector: ± 1 °C (± 33.8 °F)                                                           |
| Resolution (Temperature)          | Door Detector: 1 °C (33.8 °F)<br>PIR Detector: 1 °C (33.8 °F)                                                                   |

## Specification

|                                          |                                                                                 |
|------------------------------------------|---------------------------------------------------------------------------------|
| Sensor                                   | Door Detector: Reed switch<br>PIR Detector: Dual elements low-noise PIR sensor  |
| Test Mode                                | Door Detector: Yes<br>PIR Detector: Yes                                         |
| Scenario                                 | Door Detector: Non-metal doors                                                  |
| Movement Distance                        | Door Detector: < 40 mm (1.57")                                                  |
| Detection Mode                           | PIR Detector: PIR                                                               |
| Detection Range                          | PIR Detector: 12 m (39.37 ft) (90°) with installation height of 2.2 m (7.21 ft) |
| Detection Speed                          | PIR Detector: 0.3 m/s–3 m/s (0.98 ft/s–9.84 ft/s)                               |
| Pet Immunity Level                       | PIR Detector: ≤ 18 kg (39.68 lb)                                                |
| White Light Resistance Level             | PIR Detector: 6500 lx                                                           |
| Two-way Digital Temperature Compensation | PIR Detector: Yes, no attenuation of detection distance in high temperature     |
| Sensitivity                              | PIR Detector: 3 levels adjustable                                               |

## General

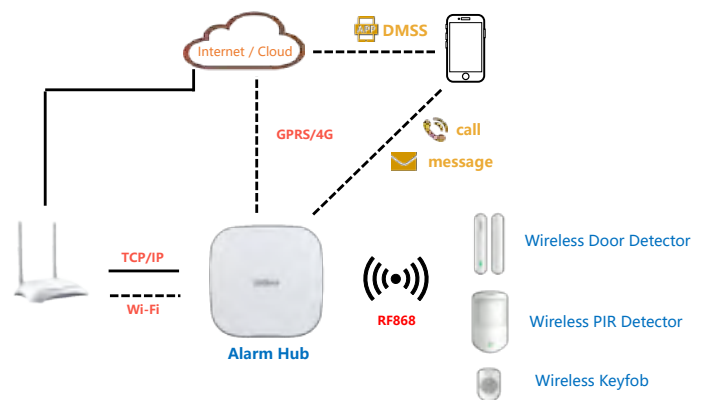
|                       |                                                                                                                                                                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Supply          | Hub: 12 V DC, 1.5 A (Europe, UK and USA power adapters are optional)<br>Keyfob: CR2032 battery<br>Door Detector: CR123A battery<br>PIR Detector: CR123A battery                                                                            |
| Battery Life          | Hub: Storage battery standby for 12 Hours<br>Keyfob: 5 years<br>Door Detector: 5 years<br>PIR Detector: 4 years                                                                                                                            |
| Power Consumption     | Keyfob: Max. 100 mW<br>Door Detector: Max. 125 mW<br>PIR Detector: Max. 120 mW                                                                                                                                                             |
| Operating environment | Hub: -10 °C to +50 °C (+14 °F to +122 °F) (indoor)<br>Keyfob: -10 °C to +55 °C (+14 °F to +131 °F) (indoor)<br>Door Detector: -10 °C to +55 °C (+14 °F to +131 °F) (indoor)<br>PIR Detector: -10 °C to +55 °C (+14 °F to +131 °F) (indoor) |
| Operating Humidity    | All: 10%–90% (RH)                                                                                                                                                                                                                          |

|                      |                                                                                                                                                                                                                                                                                                                         |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Dimensions   | Hub: 163.0 mm × 163.0 mm × 32.0 mm (6.42" × 6.42" × 1.26") (L × W × H)<br>Keyfob: 60.0 mm × 39.5 mm × 15.0 mm (2.36" × 1.56" × 0.59") (L × W × H)<br>Door Detector: 100.2 mm × 20.8 mm × 20.3 mm (3.94" × 0.82" × 0.80") (L × W × H)<br>PIR Detector: 104.0 mm × 60.0 mm × 50.0 mm (4.09" × 2.36" × 1.97") (L × W × H)  |
| Packaging Dimensions | Hub: 219.0 mm × 187.0 mm × 91.0 mm (8.62" × 7.36" × 3.58") (L × W × H)<br>Keyfob: 135.0 mm × 98.5 mm × 27.8 mm (5.31" × 3.88" × 1.09") (L × W × H)<br>Door Detector: 135.0 mm × 98.5 mm × 27.8 mm (5.31" × 3.88" × 1.09") (L × W × H)<br>PIR Detector: 135.0 mm × 98.5 mm × 56.8 mm (5.31" × 3.88" × 2.24") (L × W × H) |
| Installation         | Hub: Wall mount; Desktop<br>Door Detector: Bracket mount<br>PIR Detector: Wall mount                                                                                                                                                                                                                                    |
| Net Weight           | Hub: 0.38 Kg (0.84 lb)<br>Keyfob: 20 g (0.04 lb)<br>Door Detector: 70 g (0.15 lb)<br>PIR Detector: 100 g (0.22 lb)                                                                                                                                                                                                      |
| Gross Weight         | Hub: 0.8 Kg (1.76 lb)<br>Keyfob: 65 g (0.14 lb)<br>Door Detector: 115 g (0.25 lb)<br>PIR Detector: 170 g (0.37 lb)                                                                                                                                                                                                      |
| Casing               | All: PC + ABS                                                                                                                                                                                                                                                                                                           |
| Certifications       | All: CE                                                                                                                                                                                                                                                                                                                 |

## Ordering Information

| Type      | Model                        | Description                                                                                                                                          |
|-----------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alarm KIT | DHI-ART-ARC3000H-03-FW2(868) | Alarm hub (4G;Europe power adapter by default; UK and USA power adapters are optional),wireless keyfob,wireless door detector,wireless PIR detector. |

## Application



# DHI-ART-ARC3000H-03-FW2

## Alarm KIT



### System Overview

An all new industrial design and advanced technological system, makes the new generation of wireless alarm products easier to install, look better, communicate more reliably and perform more stably. From the comfort of the mobile apps DMSS (for end users) and COS Pro (for installers), receive notifications in real-time, control and manage your devices, perform remote operations, and more.

### Scene

Mainly applied for villas, shops, apartments, etc.

### Technical Specification

#### Input and Output

|                          |                                                                       |
|--------------------------|-----------------------------------------------------------------------|
| Wireless Protection Zone | Hub: 150-channel wireless peripherals (6 sirens, 64 wireless keyfobs) |
| Button                   | 1 × power button                                                      |

#### Port

|                 |                                                                                                                                                                                                                                                      |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Buzzer          | Hub: Built-in                                                                                                                                                                                                                                        |
| Button          | Hub: 1 × reset, 1 × power, 1 × AP<br>Keyfob: 4 (Home, Away, Disarm, and SOS)<br>Door Detector: 1 × power button<br>PIR Detector: 1 × power button                                                                                                    |
| Indicator Light | Hub: 1 for multiple statuses (alarm, arming, disarming, networking, and malfunction)<br>Keyfob: 1 × two-color status indicator (green: normal, red: abnormal)<br>Door Detector: 1 × green alarm indicator<br>PIR Detector: 1 × green alarm indicator |
| Storage battery | Hub: Built-in lithium battery                                                                                                                                                                                                                        |
| Network Mode    | Europe: GSM:900/1800 MHz, WCDMA:B1/B5/B8, LTE-FDD:B1/B3/B5/B7/B8/B20, LTE-TDD:B38/B40/B41;<br>USA: GSM:850/900/1800/1900 MHz, WCDMA:B1/B2/B5/B8, LTE-FDD:B1/B2/B3/B4/B5/B7/B8/B28, LTE-TDD:B40;<br>Dual SIM single standby                           |

- Supports 150 wireless peripherals (6 sirens, 64 wireless keyfobs).
- Peripherals status display (signal strength, battery level, temperature, program version).
- Wired, Wi-Fi, 4G, 3G or GPRS network connection.
- Dual SIM and Single Standby, auto switching.
- Automatic network replenishment (ANR).
- Video linkage on App.
- SOS emergency alarm.
- Frequency hopping function and two-way communication technology ensure communication stability.
- Cloud update and automatic recovery from update failure.

|                                                    |                                                                                                                                                                                                                                      |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network Port                                       | Hub: 1 × RJ-45 10 M/100 M Ethernet port                                                                                                                                                                                              |
| Function                                           |                                                                                                                                                                                                                                      |
| Network Protocol                                   | Hub: TCP/IP, including PPTP, L2TP, DHCP, UPNP, and NTP                                                                                                                                                                               |
| Offline Cache                                      | Hub: Max. 50 entries (ANR)                                                                                                                                                                                                           |
| Power Failure Protection for Configured Parameters | Hub: Yes                                                                                                                                                                                                                             |
| Remote Update                                      | All: Cloud update                                                                                                                                                                                                                    |
| Video Linkage                                      | Hub: Yes                                                                                                                                                                                                                             |
| SMS                                                | Hub: Yes (up to 5 phone numbers)                                                                                                                                                                                                     |
| Phone Call                                         | Hub: Yes (up to 5 phone numbers)                                                                                                                                                                                                     |
| Low Battery Alarm                                  | All: Yes                                                                                                                                                                                                                             |
| Tamper Alarm                                       | Hub: Yes<br>Door Detector: Yes<br>PIR Detector: Yes                                                                                                                                                                                  |
| User Management                                    | Hub: Share function for App users                                                                                                                                                                                                    |
| Search                                             | Hub: Searching push messages, device status, and program version. Detecting signal strength.<br>Keyfob: Signal strength detection<br>Door Detector: Signal strength detection<br>PIR Detector: Signal strength detection             |
| Arm and Disarm                                     | Hub: App; keyfob; schedule                                                                                                                                                                                                           |
| Wireless                                           |                                                                                                                                                                                                                                      |
| Carrier Frequency                                  | All: 433.1 MHz–434.6 MHz                                                                                                                                                                                                             |
| Communication Distance                             | Hub: Up to 1,200 m (3,937.01 ft) in an open space<br>Keyfob: Up to 500 m (1,640.42 ft) in an open space<br>Door Detector: Up to 1,000 m (3,280.84 ft) in an open space<br>PIR Detector: Up to 1,200 m (3,937.01 ft) in an open space |
| Communication Mechanism                            | All: Two-way                                                                                                                                                                                                                         |

|                   |             |
|-------------------|-------------|
| Encryption Mode   | All: AES128 |
| Frequency Hopping | All: Yes    |
| Wi-Fi             | Hub: 2.4G   |

## Peripherals

|               |                                            |
|---------------|--------------------------------------------|
| External Zone | Door Detector: 1-channel dry contact input |
|---------------|--------------------------------------------|

## Temperature

|                                   |                                                                                                                                 |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Measuring Range (Temperature)     | Door Detector: -15 °C to +65 °C (+18.8 °F to +149 °F) (indoor)<br>PIR Detector: -15 °C to +65 °C (+18.8 °F to +149 °F) (indoor) |
| Measuring Precision (Temperature) | Door Detector: ± 1 °C (± 33.8 °F)<br>PIR Detector: ± 1 °C (± 33.8 °F)                                                           |
| Resolution (Temperature)          | Door Detector: 1 °C (33.8 °F)<br>PIR Detector: 1 °C (33.8 °F)                                                                   |

## Specification

|                                          |                                                                                 |
|------------------------------------------|---------------------------------------------------------------------------------|
| Sensor                                   | Door Detector: Reed switch<br>PIR Detector: Dual elements low-noise PIR sensor  |
| Test Mode                                | Door Detector: Yes<br>PIR Detector: Yes                                         |
| Scenario                                 | Door Detector: Non-metal doors                                                  |
| Movement Distance                        | Door Detector: < 40 mm (1.57")                                                  |
| Detection Mode                           | PIR Detector: PIR                                                               |
| Detection Range                          | PIR Detector: 12 m (39.37 ft) (90°) with installation height of 2.2 m (7.21 ft) |
| Detection Speed                          | PIR Detector: 0.3 m/s–3 m/s (0.98 ft/s–9.84 ft/s)                               |
| Pet Immunity Level                       | PIR Detector: ≤ 18 kg (39.68 lb)                                                |
| White Light Resistance Level             | PIR Detector: 6500 lx                                                           |
| Two-way Digital Temperature Compensation | PIR Detector: Yes, no attenuation of detection distance in high temperature     |
| Sensitivity                              | PIR Detector: 3 levels adjustable                                               |

## General

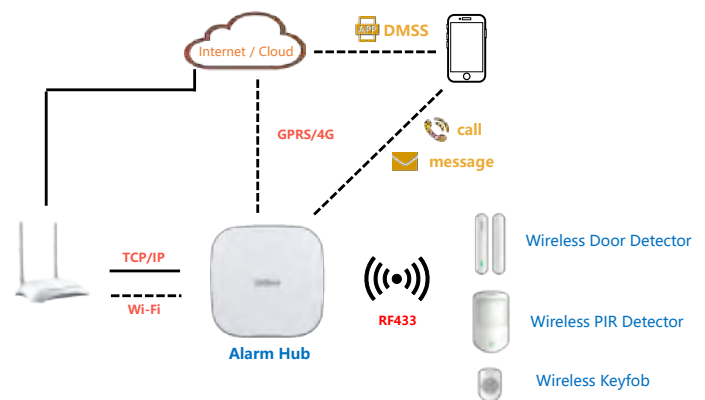
|                       |                                                                                                                                                                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Supply          | Hub: 12 V DC, 1.5 A (Europe, UK and USA power adapters are optional)<br>Keyfob: CR2032 battery<br>Door Detector: CR123A battery<br>PIR Detector: CR123A battery                                                                            |
| Battery Life          | Hub: Storage battery standby for 12 Hours<br>Keyfob: 5 years<br>Door Detector: 5 years<br>PIR Detector: 4 years                                                                                                                            |
| Power Consumption     | Keyfob: Max. 85 mW<br>Door Detector: Max. 70 mW<br>PIR Detector: Max. 75 mW                                                                                                                                                                |
| Operating environment | Hub: -10 °C to +50 °C (+14 °F to +122 °F) (indoor)<br>Keyfob: -10 °C to +55 °C (+14 °F to +131 °F) (indoor)<br>Door Detector: -10 °C to +55 °C (+14 °F to +131 °F) (indoor)<br>PIR Detector: -10 °C to +55 °C (+14 °F to +131 °F) (indoor) |
| Operating Humidity    | All: 10%–90% (RH)                                                                                                                                                                                                                          |

|                      |                                                                                                                                                                                                                                                                                                                         |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Dimensions   | Hub: 163.0 mm × 163.0 mm × 32.0 mm (6.42" × 6.42" × 1.26") (L × W × H)<br>Keyfob: 60.0 mm × 39.5 mm × 15.0 mm (2.36" × 1.56" × 0.59") (L × W × H)<br>Door Detector: 100.2 mm × 20.8 mm × 20.3 mm (3.94" × 0.82" × 0.80") (L × W × H)<br>PIR Detector: 104.0 mm × 60.0 mm × 50.0 mm (4.09" × 2.36" × 1.97") (L × W × H)  |
| Packaging Dimensions | Hub: 219.0 mm × 187.0 mm × 91.0 mm (8.62" × 7.36" × 3.58") (L × W × H)<br>Keyfob: 135.0 mm × 98.5 mm × 27.8 mm (5.31" × 3.88" × 1.09") (L × W × H)<br>Door Detector: 135.0 mm × 98.5 mm × 27.8 mm (5.31" × 3.88" × 1.09") (L × W × H)<br>PIR Detector: 135.0 mm × 98.5 mm × 56.8 mm (5.31" × 3.88" × 2.24") (L × W × H) |
| Installation         | Hub: Wall mount; Desktop<br>Door Detector: Bracket mount<br>PIR Detector: Wall mount                                                                                                                                                                                                                                    |
| Net Weight           | Hub: 0.38 Kg (0.84 lb)<br>Keyfob: 20 g (0.04 lb)<br>Door Detector: 70 g (0.15 lb)<br>PIR Detector: 100 g (0.22 lb)                                                                                                                                                                                                      |
| Gross Weight         | Hub: 0.8 Kg (1.76 lb)<br>Keyfob: 65 g (0.14 lb)<br>Door Detector: 115 g (0.25 lb)<br>PIR Detector: 170 g (0.37 lb)                                                                                                                                                                                                      |
| Casing               | All: PC + ABS                                                                                                                                                                                                                                                                                                           |
| Certifications       | All: CE                                                                                                                                                                                                                                                                                                                 |

## Ordering Information

| Type      | Model                   | Description                                                                                                                                          |
|-----------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alarm KIT | DHI-ART-ARC3000H-03-FW2 | Alarm hub (4G;Europe power adapter by default; UK and USA power adapters are optional),wireless keyfob,wireless door detector,wireless PIR detector. |

## Application



# DHI-ART-ARC3000H-03-GW2(868)

## Alarm KIT



- Supports 150 wireless peripherals (6 sirens, 64 wireless keyfobs).
- Peripherals status display (signal strength, battery level, temperature, program version).
- Wired, Wi-Fi or GPRS network connection.
- Dual SIM and Single Standby, auto switching.
- Automatic network replenishment (ANR).
- Video linkage on App.
- SOS emergency alarm.
- Frequency hopping function and two-way communication technology ensure communication stability.
- Cloud update and automatic recovery from update failure.

### System Overview

An all new industrial design and advanced technological system, makes the new generation of wireless alarm products easier to install, look better, communicate more reliably and perform more stably. From the comfort of the mobile apps DMSS (for end users) and COS Pro (for installers), receive notifications in real-time, control and manage your devices, perform remote operations, and more.

### Scene

Mainly applied for villas, shops, apartments, etc.

### Technical Specification

#### Input and Output

|                          |                                                                       |
|--------------------------|-----------------------------------------------------------------------|
| Wireless Protection Zone | Hub: 150-channel wireless peripherals (6 sirens, 64 wireless keyfobs) |
|--------------------------|-----------------------------------------------------------------------|

#### Port

|                 |                                                                                                                                                                                                                                                      |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Buzzer          | Hub: Built-in                                                                                                                                                                                                                                        |
| Button          | Hub: 1 × reset, 1 × power, 1 × AP<br>Keyfob: 4 (Home, Away, Disarm, and SOS)<br>Door Detector: 1 × power button<br>PIR Detector: 1 × power button                                                                                                    |
| Indicator Light | Hub: 1 for multiple statuses (alarm, arming, disarming, networking, and malfunction)<br>Keyfob: 1 × two-color status indicator (green: normal, red: abnormal)<br>Door Detector: 1 × green alarm indicator<br>PIR Detector: 1 × green alarm indicator |
| Storage battery | Hub: Built-in lithium battery                                                                                                                                                                                                                        |
| Network Mode    | Hub: Single SIM (GSM:900/1800MHz); dual SIM single standby                                                                                                                                                                                           |
| Network Port    | Hub: 1 × RJ-45 10 M/100 M Ethernet port                                                                                                                                                                                                              |

#### Function

|                  |                                                        |
|------------------|--------------------------------------------------------|
| Network Protocol | Hub: TCP/IP, including PPTP, L2TP, DHCP, UPNP, and NTP |
|------------------|--------------------------------------------------------|

|                                                    |                                                                                                                                                                                                                          |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Offline Cache                                      | Hub: Max. 50 entries (ANR)                                                                                                                                                                                               |
| Power Failure Protection for Configured Parameters | Hub: Yes                                                                                                                                                                                                                 |
| Remote Update                                      | All: Cloud update                                                                                                                                                                                                        |
| Video Linkage                                      | Hub: Yes                                                                                                                                                                                                                 |
| SMS                                                | Hub: Yes (up to 5 phone numbers)                                                                                                                                                                                         |
| Phone Call                                         | Hub: Yes (up to 5 phone numbers)                                                                                                                                                                                         |
| Low Battery Alarm                                  | All: Yes                                                                                                                                                                                                                 |
| Tamper Alarm                                       | Hub: Yes<br>Door Detector: Yes<br>PIR Detector: Yes                                                                                                                                                                      |
| User Management                                    | Hub: Share function for App users                                                                                                                                                                                        |
| Search                                             | Hub: Searching push messages, device status, and program version. Detecting signal strength.<br>Keyfob: Signal strength detection<br>Door Detector: Signal strength detection<br>PIR Detector: Signal strength detection |
| Arm and Disarm                                     | Hub: App; keyfob; schedule                                                                                                                                                                                               |

#### Wireless

|                         |                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Carrier Frequency       | All: 868.0 MHz–868.6 MHz                                                                                                                                                                                                             |
| Communication Distance  | Hub: Up to 2,000 m (6,561.68 ft) in an open space<br>Keyfob: Up to 900 m (2,952.76 ft) in an open space<br>Door Detector: Up to 1,200 m (3,937.01 ft) in an open space<br>PIR Detector: Up to 1,600 m (5,249.34 ft) in an open space |
| Communication Mechanism | All: Two-way                                                                                                                                                                                                                         |
| Encryption Mode         | All: AES128                                                                                                                                                                                                                          |
| Frequency Hopping       | All: Yes                                                                                                                                                                                                                             |

|                                   |                                                                                                                                 |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Wi-Fi                             | Hub: 2.4G                                                                                                                       |
| Peripherals                       |                                                                                                                                 |
| External Zone                     | Door Detector: 1-channel dry contact input                                                                                      |
| Temperature                       |                                                                                                                                 |
| Measuring Range (Temperature)     | Door Detector: -15 °C to +65 °C (+18.8 °F to +149 °F) (indoor)<br>PIR Detector: -15 °C to +65 °C (+18.8 °F to +149 °F) (indoor) |
| Measuring Precision (Temperature) | Door Detector: ± 1 °C (± 33.8 °F)<br>PIR Detector: ± 1 °C (± 33.8 °F)                                                           |
| Resolution (Temperature)          | Door Detector: 1 °C (33.8 °F)<br>PIR Detector: 1 °C (33.8 °F)                                                                   |

### Specification

|                                          |                                                                                 |
|------------------------------------------|---------------------------------------------------------------------------------|
| Sensor                                   | Door Detector: Reed switch<br>PIR Detector: Dual elements low-noise PIR sensor  |
| Test Mode                                | Door Detector: Yes<br>PIR Detector: Yes                                         |
| Scenario                                 | Door Detector: Non-metal doors                                                  |
| Movement Distance                        | Door Detector: < 40 mm (1.57")                                                  |
| Detection Mode                           | PIR Detector: PIR                                                               |
| Detection Range                          | PIR Detector: 12 m (39.37 ft) (90°) with installation height of 2.2 m (7.21 ft) |
| Detection Speed                          | PIR Detector: 0.3 m/s–3 m/s (0.98 ft/s–9.84 ft/s)                               |
| Pet Immunity Level                       | PIR Detector: ≤ 18 kg (39.68 lb)                                                |
| White Light Resistance Level             | PIR Detector: 6500 lx                                                           |
| Two-way Digital Temperature Compensation | PIR Detector: Yes, no attenuation of detection distance in high temperature     |
| Sensitivity                              | PIR Detector: 3 levels adjustable                                               |

### General

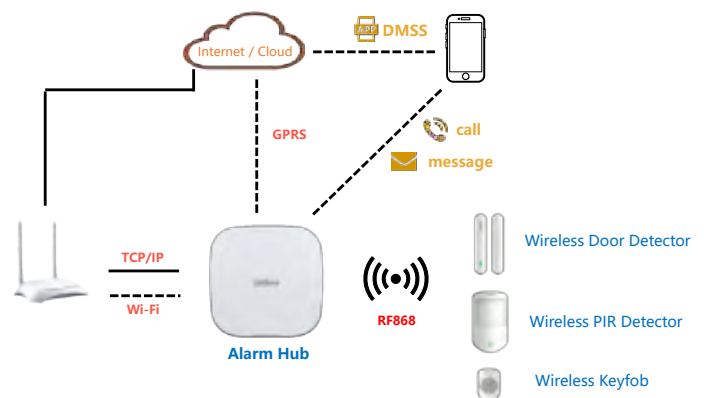
|                       |                                                                                                                                                                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Supply          | Hub: 12 V DC, 1.5 A (Europe, UK and USA power adapters are optional)<br>Keyfob: CR2032 battery<br>Door Detector: CR123A battery<br>PIR Detector: CR123A battery                                                                            |
| Battery Life          | Hub: Storage battery standby for 12 Hours<br>Keyfob: 5 years<br>Door Detector: 5 years<br>PIR Detector: 4 years                                                                                                                            |
| Power Consumption     | Keyfob: Max. 85 mW<br>Door Detector: Max. 70 mW<br>PIR Detector: Max. 75 mW                                                                                                                                                                |
| Operating environment | Hub: -10 °C to +50 °C (+14 °F to +122 °F) (indoor)<br>Keyfob: -10 °C to +55 °C (+14 °F to +131 °F) (indoor)<br>Door Detector: -10 °C to +55 °C (+14 °F to +131 °F) (indoor)<br>PIR Detector: -10 °C to +55 °C (+14 °F to +131 °F) (indoor) |
| Operating Humidity    | All: 10%–90% (RH)                                                                                                                                                                                                                          |

|                      |                                                                                                                                                                                                                                                                                                                         |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Dimensions   | Hub: 163.0 mm × 163.0 mm × 32.0 mm (6.42" × 6.42" × 1.26") (L × W × H)<br>Keyfob: 60.0 mm × 39.5 mm × 15.0 mm (2.36" × 1.56" × 0.59") (L × W × H)<br>Door Detector: 100.2 mm × 20.8 mm × 20.3 mm (3.94" × 0.82" × 0.80") (L × W × H)<br>PIR Detector: 104.0 mm × 60.0 mm × 50.0 mm (4.09" × 2.36" × 1.97") (L × W × H)  |
| Packaging Dimensions | Hub: 219.0 mm × 187.0 mm × 91.0 mm (8.62" × 7.36" × 3.58") (L × W × H)<br>Keyfob: 135.0 mm × 98.5 mm × 27.8 mm (5.31" × 3.88" × 1.09") (L × W × H)<br>Door Detector: 135.0 mm × 98.5 mm × 27.8 mm (5.31" × 3.88" × 1.09") (L × W × H)<br>PIR Detector: 135.0 mm × 98.5 mm × 56.8 mm (5.31" × 3.88" × 2.24") (L × W × H) |
| Installation         | Hub: Wall mount; Desktop<br>Door Detector: Bracket mount<br>PIR Detector: Wall mount                                                                                                                                                                                                                                    |
| Net Weight           | Hub: 0.38 Kg (0.84 lb)<br>Keyfob: 20 g (0.04 lb)<br>Door Detector: 70 g (0.15 lb)<br>PIR Detector: 100 g (0.22 lb)                                                                                                                                                                                                      |
| Gross Weight         | Hub: 0.8 Kg (1.76 lb)<br>Keyfob: 65 g (0.14 lb)<br>Door Detector: 115 g (0.25 lb)<br>PIR Detector: 170 g (0.37 lb)                                                                                                                                                                                                      |
| Casing               | All: PC + ABS                                                                                                                                                                                                                                                                                                           |
| Certifications       | All: CE                                                                                                                                                                                                                                                                                                                 |

### Ordering Information

| Type      | Model                        | Description                                                                                                                                          |
|-----------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alarm KIT | DHI-ART-ARC3000H-03-GW2(868) | Alarm hub (2G;Europe power adapter by default; UK and USA power adapters are optional),wireless keyfob,wireless door detector,wireless PIR detector. |

### Application



# DHI-ART-ARC3000H-03-GW2

## Alarm KIT



### System Overview

An all new industrial design and advanced technological system, makes the new generation of wireless alarm products easier to install, look better, communicate more reliably and perform more stably. From the comfort of the mobile apps DMSS (for end users) and COS Pro (for installers), receive notifications in real-time, control and manage your devices, perform remote operations, and more.

### Scene

Mainly applied for villas, shops, apartments, etc.

### Technical Specification

#### Input and Output

|                          |                                                                       |
|--------------------------|-----------------------------------------------------------------------|
| Wireless Protection Zone | Hub: 150-channel wireless peripherals (6 sirens, 64 wireless keyfobs) |
|--------------------------|-----------------------------------------------------------------------|

#### Port

|                 |                                                                                                                                                                                                                                                      |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Buzzer          | Hub: Built-in                                                                                                                                                                                                                                        |
| Button          | Hub: 1 × reset, 1 × power, 1 × AP<br>Keyfob: 4 (Home, Away, Disarm, and SOS)<br>Door Detector: 1 × power button<br>PIR Detector: 1 × power button                                                                                                    |
| Indicator Light | Hub: 1 for multiple statuses (alarm, arming, disarming, networking, and malfunction)<br>Keyfob: 1 × two-color status indicator (green: normal, red: abnormal)<br>Door Detector: 1 × green alarm indicator<br>PIR Detector: 1 × green alarm indicator |
| Storage battery | Hub: Built-in lithium battery                                                                                                                                                                                                                        |
| Network Mode    | Hub: Single SIM (GSM:900/1800MHz); dual SIM single standby                                                                                                                                                                                           |
| Network Port    | Hub: 1 × RJ-45 10 M/100 M Ethernet port                                                                                                                                                                                                              |

#### Function

|                  |                                                        |
|------------------|--------------------------------------------------------|
| Network Protocol | Hub: TCP/IP, including PPTP, L2TP, DHCP, UPNP, and NTP |
|------------------|--------------------------------------------------------|

- Supports 150 wireless peripherals (6 sirens, 64 wireless keyfobs).
- Peripherals status display (signal strength, battery level, temperature, program version).
- Wired, Wi-Fi or GPRS network connection.
- Dual SIM and Single Standby, auto switching.
- Automatic network replenishment (ANR).
- Video linkage on App.
- SOS emergency alarm.
- Frequency hopping function and two-way communication technology ensure communication stability.
- Cloud update and automatic recovery from update failure.

|                                                    |                                                                                                                                                                                                                          |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Offline Cache                                      | Hub: Max. 50 entries (ANR)                                                                                                                                                                                               |
| Power Failure Protection for Configured Parameters | Hub: Yes                                                                                                                                                                                                                 |
| Remote Update                                      | All: Cloud update                                                                                                                                                                                                        |
| Video Linkage                                      | Hub: Yes                                                                                                                                                                                                                 |
| SMS                                                | Hub: Yes (up to 5 phone numbers)                                                                                                                                                                                         |
| Phone Call                                         | Hub: Yes (up to 5 phone numbers)                                                                                                                                                                                         |
| Low Battery Alarm                                  | All: Yes                                                                                                                                                                                                                 |
| Tamper Alarm                                       | Hub: Yes<br>Door Detector: Yes<br>PIR Detector: Yes                                                                                                                                                                      |
| User Management                                    | Hub: Share function for App users                                                                                                                                                                                        |
| Search                                             | Hub: Searching push messages, device status, and program version. Detecting signal strength.<br>Keyfob: Signal strength detection<br>Door Detector: Signal strength detection<br>PIR Detector: Signal strength detection |
| Arm and Disarm                                     | Hub: App; keyfob; schedule                                                                                                                                                                                               |

#### Wireless

|                         |                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Carrier Frequency       | All: 433.1 MHz–434.6 MHz                                                                                                                                                                                                             |
| Communication Distance  | Hub: Up to 1,200 m (3,937.01 ft) in an open space<br>Keyfob: Up to 500 m (1,640.42 ft) in an open space<br>Door Detector: Up to 1,000 m (3,280.84 ft) in an open space<br>PIR Detector: Up to 1,200 m (3,937.01 ft) in an open space |
| Communication Mechanism | All: Two-way                                                                                                                                                                                                                         |
| Encryption Mode         | All: AES128                                                                                                                                                                                                                          |
| Frequency Hopping       | All: Yes                                                                                                                                                                                                                             |
| Wi-Fi                   | Hub: 2.4G                                                                                                                                                                                                                            |

## Peripherals

|               |                                            |
|---------------|--------------------------------------------|
| External Zone | Door Detector: 1-channel dry contact input |
|---------------|--------------------------------------------|

## Temperature

|                                   |                                                                                                                                 |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Measuring Range (Temperature)     | Door Detector: -15 °C to +65 °C (+18.8 °F to +149 °F) (indoor)<br>PIR Detector: -15 °C to +65 °C (+18.8 °F to +149 °F) (indoor) |
| Measuring Precision (Temperature) | Door Detector: ± 1 °C (± 33.8 °F)<br>PIR Detector: ± 1 °C (± 33.8 °F)                                                           |
| Resolution (Temperature)          | Door Detector: 1 °C (33.8 °F)<br>PIR Detector: 1 °C (33.8 °F)                                                                   |

## Specification

|                                          |                                                                                 |
|------------------------------------------|---------------------------------------------------------------------------------|
| Sensor                                   | Door Detector: Reed switch<br>PIR Detector: Dual elements low-noise PIR sensor  |
| Test Mode                                | Door Detector: Yes<br>PIR Detector: Yes                                         |
| Scenario                                 | Door Detector: Non-metal doors                                                  |
| Movement Distance                        | Door Detector: < 40 mm (1.57")                                                  |
| Detection Mode                           | PIR Detector: PIR                                                               |
| Detection Range                          | PIR Detector: 12 m (39.37 ft) (90°) with installation height of 2.2 m (7.21 ft) |
| Detection Speed                          | PIR Detector: 0.3 m/s–3 m/s (0.98 ft/s–9.84 ft/s)                               |
| Pet Immunity Level                       | PIR Detector: ≤ 18 kg (39.68 lb)                                                |
| White Light Resistance Level             | PIR Detector: 6500 lx                                                           |
| Two-way Digital Temperature Compensation | PIR Detector: Yes, no attenuation of detection distance in high temperature     |
| Sensitivity                              | PIR Detector: 3 levels adjustable                                               |

## General

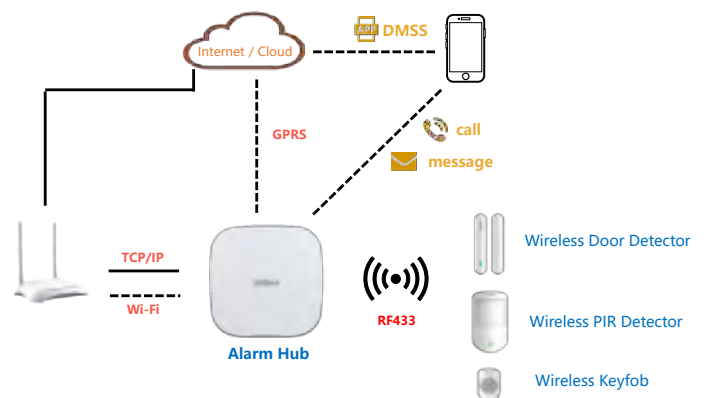
|                       |                                                                                                                                                                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Supply          | Hub: 12 V DC, 1.5 A (Europe, UK and USA power adapters are optional)<br>Keyfob: CR2032 battery<br>Door Detector: CR123A battery<br>PIR Detector: CR123A battery                                                                            |
| Battery Life          | Hub: Storage battery standby for 12 Hours<br>Keyfob: 5 years<br>Door Detector: 5 years<br>PIR Detector: 4 years                                                                                                                            |
| Power Consumption     | Keyfob: Max. 85 mW<br>Door Detector: Max. 70 mW<br>PIR Detector: Max. 75 mW                                                                                                                                                                |
| Operating environment | Hub: -10 °C to +50 °C (+14 °F to +122 °F) (indoor)<br>Keyfob: -10 °C to +55 °C (+14 °F to +131 °F) (indoor)<br>Door Detector: -10 °C to +55 °C (+14 °F to +131 °F) (indoor)<br>PIR Detector: -10 °C to +55 °C (+14 °F to +131 °F) (indoor) |
| Operating Humidity    | All: 10%–90% (RH)                                                                                                                                                                                                                          |

|                      |                                                                                                                                                                                                                                                                                                                         |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Dimensions   | Hub: 163.0 mm × 163.0 mm × 32.0 mm (6.42" × 6.42" × 1.26") (L × W × H)<br>Keyfob: 60.0 mm × 39.5 mm × 15.0 mm (2.36" × 1.56" × 0.59") (L × W × H)<br>Door Detector: 100.2 mm × 20.8 mm × 20.3 mm (3.94" × 0.82" × 0.80") (L × W × H)<br>PIR Detector: 104.0 mm × 60.0 mm × 50.0 mm (4.09" × 2.36" × 1.97") (L × W × H)  |
| Packaging Dimensions | Hub: 219.0 mm × 187.0 mm × 91.0 mm (8.62" × 7.36" × 3.58") (L × W × H)<br>Keyfob: 135.0 mm × 98.5 mm × 27.8 mm (5.31" × 3.88" × 1.09") (L × W × H)<br>Door Detector: 135.0 mm × 98.5 mm × 27.8 mm (5.31" × 3.88" × 1.09") (L × W × H)<br>PIR Detector: 135.0 mm × 98.5 mm × 56.8 mm (5.31" × 3.88" × 2.24") (L × W × H) |
| Installation         | Hub: Wall mount; Desktop<br>Door Detector: Bracket mount<br>PIR Detector: Wall mount                                                                                                                                                                                                                                    |
| Net Weight           | Hub: 0.38 Kg (0.84 lb)<br>Keyfob: 20 g (0.04 lb)<br>Door Detector: 70 g (0.15 lb)<br>PIR Detector: 100 g (0.22 lb)                                                                                                                                                                                                      |
| Gross Weight         | Hub: 0.8 Kg (1.76 lb)<br>Keyfob: 65 g (0.14 lb)<br>Door Detector: 115 g (0.25 lb)<br>PIR Detector: 170 g (0.37 lb)                                                                                                                                                                                                      |
| Casing               | All: PC + ABS                                                                                                                                                                                                                                                                                                           |
| Certifications       | All: CE                                                                                                                                                                                                                                                                                                                 |

## Ordering Information

| Type      | Model                   | Description                                                                                                                                          |
|-----------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alarm KIT | DHI-ART-ARC3000H-03-GW2 | Alarm hub (2G;Europe power adapter by default; UK and USA power adapters are optional),wireless keyfob,wireless door detector,wireless PIR detector. |

## Application



# DHI-ART-ARC3000H-03-W2(868)

## Alarm KIT



### System Overview

An all new industrial design and advanced technological system, makes the new generation of wireless alarm products easier to install, look better, communicate more reliably and perform more stably. From the comfort of the mobile apps DMSS (for end users) and COS Pro (for installers), receive notifications in real-time, control and manage your devices, perform remote operations, and more.

### Scene

Mainly applied for villas, shops, apartments, etc.

### Technical Specification

#### Input and Output

|                          |                                                                       |
|--------------------------|-----------------------------------------------------------------------|
| Wireless Protection Zone | Hub: 150-channel wireless peripherals (6 sirens, 64 wireless keyfobs) |
|--------------------------|-----------------------------------------------------------------------|

#### Port

|                 |                                                                                                                                                                                                                                                      |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Buzzer          | Hub: Built-in                                                                                                                                                                                                                                        |
| Button          | Hub: 1 × reset, 1 × power, 1 × AP<br>Keyfob: 4 (Home, Away, Disarm, and SOS)<br>Door Detector: 1 × power button<br>PIR Detector: 1 × power button                                                                                                    |
| Indicator Light | Hub: 1 for multiple statuses (alarm, arming, disarming, networking, and malfunction)<br>Keyfob: 1 × two-color status indicator (green: normal, red: abnormal)<br>Door Detector: 1 × green alarm indicator<br>PIR Detector: 1 × green alarm indicator |
| Storage battery | Hub: Built-in lithium battery                                                                                                                                                                                                                        |
| Network Port    | Hub: 1 × RJ-45 10 M/100 M Ethernet port                                                                                                                                                                                                              |

#### Function

|                  |                                                        |
|------------------|--------------------------------------------------------|
| Network Protocol | Hub: TCP/IP, including PPTP, L2TP, DHCP, UPNP, and NTP |
| Offline Cache    | Hub: Max. 50 entries (ANR)                             |

- Supports 150 wireless peripherals (6 sirens, 64 wireless keyfobs).
- Peripherals status display (signal strength, battery level, temperature, program version).
- Automatic network replenishment (ANR).
- Video linkage on App.
- SOS emergency call.
- Frequency hopping function and two-way communication technology ensure communication stability.
- Cloud update and automatic recovery from update failure.

|                                                    |                                                                                                                                                                                                                          |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Failure Protection for Configured Parameters | Hub: Yes                                                                                                                                                                                                                 |
| Remote Update                                      | All: Cloud update                                                                                                                                                                                                        |
| Video Linkage                                      | Hub: Yes                                                                                                                                                                                                                 |
| Low Battery Alarm                                  | All: Yes                                                                                                                                                                                                                 |
| Tamper Alarm                                       | Hub: Yes<br>Door Detector: Yes<br>PIR Detector: Yes                                                                                                                                                                      |
| User Management                                    | Hub: Share function for App users                                                                                                                                                                                        |
| Search                                             | Hub: Searching push messages, device status, and program version. Detecting signal strength.<br>Keyfob: Signal strength detection<br>Door Detector: Signal strength detection<br>PIR Detector: Signal strength detection |
| Arm and Disarm                                     | Hub: App; keyfob; schedule                                                                                                                                                                                               |

#### Wireless

|                         |                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Carrier Frequency       | All: 868.0 MHz–868.6 MHz                                                                                                                                                                                                             |
| Communication Distance  | Hub: Up to 2,000 m (6,561.68 ft) in an open space<br>Keyfob: Up to 900 m (2,952.76 ft) in an open space<br>Door Detector: Up to 1,200 m (3,937.01 ft) in an open space<br>PIR Detector: Up to 1,600 m (5,249.34 ft) in an open space |
| Communication Mechanism | All: Two-way                                                                                                                                                                                                                         |
| Encryption Mode         | All: AES128                                                                                                                                                                                                                          |
| Frequency Hopping       | All: Yes                                                                                                                                                                                                                             |
| Wi-Fi                   | Hub: 2.4G                                                                                                                                                                                                                            |

#### Peripherals

|               |                                            |
|---------------|--------------------------------------------|
| External Zone | Door Detector: 1-channel dry contact input |
|---------------|--------------------------------------------|

## Temperature

|                                   |                                                                                                                                   |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Measuring Range (Temperature)     | "Door Detector: -15 °C to +65 °C (+18.8 °F to +149 °F) (indoor)<br>PIR Detector: -15 °C to +65 °C (+18.8 °F to +149 °F) (indoor)" |
| Measuring Precision (Temperature) | Door Detector: ± 1 °C (± 33.8 °F)<br>PIR Detector: ± 1 °C (± 33.8 °F)                                                             |
| Resolution (Temperature)          | Door Detector: 1 °C (33.8 °F)<br>PIR Detector: 1 °C (33.8 °F)                                                                     |

## Specification

|                                          |                                                                                 |
|------------------------------------------|---------------------------------------------------------------------------------|
| Sensor                                   | Door Detector: Reed switch<br>PIR Detector: Dual elements low-noise PIR sensor  |
| Test Mode                                | Door Detector: Yes<br>PIR Detector: Yes                                         |
| Scenario                                 | Door Detector: Non-metal doors                                                  |
| Movement Distance                        | Door Detector: < 40 mm (1.57")                                                  |
| Detection Mode                           | PIR Detector: PIR                                                               |
| Detection Range                          | PIR Detector: 12 m (39.37 ft) (90°) with installation height of 2.2 m (7.21 ft) |
| Detection Speed                          | PIR Detector: 0.3 m/s–3 m/s (0.98 ft/s–9.84 ft/s)                               |
| Pet Immunity Level                       | PIR Detector: ≤ 18 kg (39.68 lb)                                                |
| White Light Resistance Level             | PIR Detector: 6500 lx                                                           |
| Two-way Digital Temperature Compensation | PIR Detector: Yes, no attenuation of detection distance in high temperature     |
| Sensitivity                              | PIR Detector: 3 levels adjustable                                               |

## General

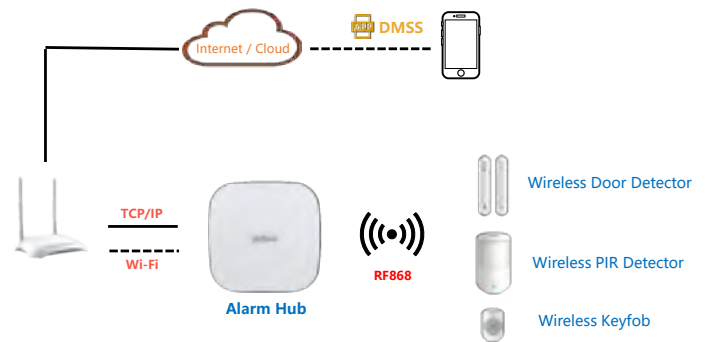
|                       |                                                                                                                                                                                                                                                                                                                        |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Supply          | Hub: 12 V DC, 1.5 A (Europe, UK and USA power adapters are optional)<br>Keyfob: CR2032 battery<br>Door Detector: CR123A battery<br>PIR Detector: CR123A battery                                                                                                                                                        |
| Battery Life          | Hub: Storage battery standby for 12 Hours<br>Keyfob: 5 years<br>Door Detector: 5 years<br>PIR Detector: 4 years                                                                                                                                                                                                        |
| Power Consumption     | Keyfob: Max. 100 mW<br>Door Detector: Max. 125 mW<br>PIR Detector: Max. 120 mW                                                                                                                                                                                                                                         |
| Operating environment | Hub: -10 °C to +50 °C (+14 °F to +122 °F) (indoor)<br>Keyfob: -10 °C to +55 °C (+14 °F to +131 °F) (indoor)<br>Door Detector: -10 °C to +55 °C (+14 °F to +131 °F) (indoor)<br>PIR Detector: -10 °C to +55 °C (+14 °F to +131 °F) (indoor)                                                                             |
| Operating Humidity    | All: 10%–90% (RH)                                                                                                                                                                                                                                                                                                      |
| Product Dimensions    | Hub: 163.0 mm × 163.0 mm × 32.0 mm (6.42" × 6.42" × 1.26") (L × W × H)<br>Keyfob: 60.0 mm × 39.5 mm × 15.0 mm (2.36" × 1.56" × 0.59") (L × W × H)<br>Door Detector: 100.2 mm × 20.8 mm × 20.3 mm (3.94" × 0.82" × 0.80") (L × W × H)<br>PIR Detector: 104.0 mm × 60.0 mm × 50.0 mm (4.09" × 2.36" × 1.97") (L × W × H) |

|                      |                                                                                                                                                                                                                                                                                                                         |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packaging Dimensions | Hub: 219.0 mm × 187.0 mm × 91.0 mm (8.62" × 7.36" × 3.58") (L × W × H)<br>Keyfob: 135.0 mm × 98.5 mm × 27.8 mm (5.31" × 3.88" × 1.09") (L × W × H)<br>Door Detector: 135.0 mm × 98.5 mm × 27.8 mm (5.31" × 3.88" × 1.09") (L × W × H)<br>PIR Detector: 135.0 mm × 98.5 mm × 56.8 mm (5.31" × 3.88" × 2.24") (L × W × H) |
| Installation         | Hub: Wall mount; Desktop<br>Door Detector: Bracket mount<br>PIR Detector: Wall mount                                                                                                                                                                                                                                    |
| Net Weight           | Hub: 0.38 Kg (0.84 lb)<br>Keyfob: 20 g (0.04 lb)<br>Door Detector: 70 g (0.15 lb)<br>PIR Detector: 100 g (0.22 lb)                                                                                                                                                                                                      |
| Gross Weight         | Hub: 0.8 Kg (1.76 lb)<br>Keyfob: 65 g (0.14 lb)<br>Door Detector: 115 g (0.25 lb)<br>PIR Detector: 170 g (0.37 lb)                                                                                                                                                                                                      |
| Casing               | All: PC + ABS                                                                                                                                                                                                                                                                                                           |
| Certifications       | All: CE                                                                                                                                                                                                                                                                                                                 |

## Ordering Information

| Type      | Model                       | Description                                                                                                                                             |
|-----------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alarm KIT | DHI-ART-ARC3000H-03-W2(868) | Alarm hub (Wi-Fi;Europe power adapter by default; UK and USA power adapters are optional),wireless keyfob,wireless door detector,wireless PIR detector. |

## Application



# DHI-ART-ARC3000H-03-W2

## Alarm KIT



### System Overview

An all new industrial design and advanced technological system, makes the new generation of wireless alarm products easier to install, look better, communicate more reliably and perform more stably. From the comfort of the mobile apps DMSS (for end users) and COS Pro (for installers), receive notifications in real-time, control and manage your devices, perform remote operations, and more.

### Scene

Mainly applied for villas, shops, apartments, etc.

### Technical Specification

#### Input and Output

|                          |                                                                       |
|--------------------------|-----------------------------------------------------------------------|
| Wireless Protection Zone | Hub: 150-channel wireless peripherals (6 sirens, 64 wireless keyfobs) |
|--------------------------|-----------------------------------------------------------------------|

#### Port

|                 |                                                                                                                                                                                                                                                      |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Buzzer          | Hub: Built-in                                                                                                                                                                                                                                        |
| Button          | Hub: 1 × reset, 1 × power, 1 × AP<br>Keyfob: 4 (Home, Away, Disarm, and SOS)<br>Door Detector: 1 × power button<br>PIR Detector: 1 × power button                                                                                                    |
| Indicator Light | Hub: 1 for multiple statuses (alarm, arming, disarming, networking, and malfunction)<br>Keyfob: 1 × two-color status indicator (green: normal, red: abnormal)<br>Door Detector: 1 × green alarm indicator<br>PIR Detector: 1 × green alarm indicator |
| Storage battery | Hub: Built-in lithium battery                                                                                                                                                                                                                        |
| Network Port    | Hub: 1 × RJ-45 10 M/100 M Ethernet port                                                                                                                                                                                                              |

#### Function

|                  |                                                        |
|------------------|--------------------------------------------------------|
| Network Protocol | Hub: TCP/IP, including PPTP, L2TP, DHCP, UPNP, and NTP |
| Offline Cache    | Hub: Max. 50 entries (ANR)                             |

- Supports 150 wireless peripherals (6 sirens, 64 wireless keyfobs).
- Peripherals status display (signal strength, battery level, temperature, program version).
- Automatic network replenishment (ANR).
- Video linkage on App.
- SOS emergency alarm.
- Frequency hopping function and two-way communication technology ensure communication stability.
- Cloud update and automatic recovery from update failure.

|                                                    |                                                                                                                                                                                                                          |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Failure Protection for Configured Parameters | Hub: Yes                                                                                                                                                                                                                 |
| Remote Update                                      | All: Cloud update                                                                                                                                                                                                        |
| Video Linkage                                      | Hub: Yes                                                                                                                                                                                                                 |
| Low Battery Alarm                                  | All: Yes                                                                                                                                                                                                                 |
| Tamper Alarm                                       | Hub: Yes<br>Door Detector: Yes<br>PIR Detector: Yes                                                                                                                                                                      |
| User Management                                    | Hub: Share function for App users                                                                                                                                                                                        |
| Search                                             | Hub: Searching push messages, device status, and program version. Detecting signal strength.<br>Keyfob: Signal strength detection<br>Door Detector: Signal strength detection<br>PIR Detector: Signal strength detection |
| Arm and Disarm                                     | Hub: App; keyfob; schedule                                                                                                                                                                                               |

#### Wireless

|                         |                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Carrier Frequency       | All: 433.1 MHz–434.6 MHz                                                                                                                                                                                                             |
| Communication Distance  | Hub: Up to 1,200 m (3,937.01 ft) in an open space<br>Keyfob: Up to 500 m (1,640.42 ft) in an open space<br>Door Detector: Up to 1,000 m (3,280.84 ft) in an open space<br>PIR Detector: Up to 1,200 m (3,937.01 ft) in an open space |
| Communication Mechanism | All: Two-way                                                                                                                                                                                                                         |
| Encryption Mode         | All: AES128                                                                                                                                                                                                                          |
| Frequency Hopping       | All: Yes                                                                                                                                                                                                                             |
| Wi-Fi                   | Hub: 2.4G                                                                                                                                                                                                                            |

#### Peripherals

|               |                                            |
|---------------|--------------------------------------------|
| External Zone | Door Detector: 1-channel dry contact input |
|---------------|--------------------------------------------|

## Temperature

|                                   |                                                                                                                                 |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Measuring Range (Temperature)     | Door Detector: -15 °C to +65 °C (+18.8 °F to +149 °F) (indoor)<br>PIR Detector: -15 °C to +65 °C (+18.8 °F to +149 °F) (indoor) |
| Measuring Precision (Temperature) | Door Detector: ± 1 °C (± 33.8 °F)<br>PIR Detector: ± 1 °C (± 33.8 °F)                                                           |
| Resolution (Temperature)          | Door Detector: 1 °C (33.8 °F)<br>PIR Detector: 1 °C (33.8 °F)                                                                   |

## Specification

|                                          |                                                                                 |
|------------------------------------------|---------------------------------------------------------------------------------|
| Sensor                                   | Door Detector: Reed switch<br>PIR Detector: Dual elements low-noise PIR sensor  |
| Test Mode                                | Door Detector: Yes<br>PIR Detector: Yes                                         |
| Scenario                                 | Door Detector: Non-metal doors                                                  |
| Movement Distance                        | Door Detector: < 40 mm (1.57")                                                  |
| Detection Mode                           | PIR Detector: PIR                                                               |
| Detection Range                          | PIR Detector: 12 m (39.37 ft) (90°) with installation height of 2.2 m (7.21 ft) |
| Detection Speed                          | PIR Detector: 0.3 m/s–3 m/s (0.98 ft/s–9.84 ft/s)                               |
| Pet Immunity Level                       | PIR Detector: ≤ 18 kg (39.68 lb)                                                |
| White Light Resistance Level             | PIR Detector: 6500 lx                                                           |
| Two-way Digital Temperature Compensation | PIR Detector: Yes, no attenuation of detection distance in high temperature     |
| Sensitivity                              | PIR Detector: 3 levels adjustable                                               |

## General

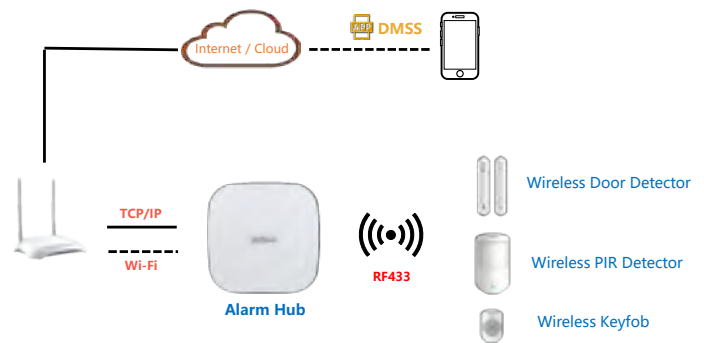
|                       |                                                                                                                                                                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Supply          | Hub: 12 V DC, 1.5 A (Europe, UK and USA power adapters are optional)<br>Keyfob: CR2032 battery<br>Door Detector: CR123A battery<br>PIR Detector: CR123A battery                                                                            |
| Battery Life          | Hub: Storage battery standby for 12 Hours<br>Keyfob: 5 years<br>Door Detector: 5 years<br>PIR Detector: 4 years                                                                                                                            |
| Power Consumption     | Keyfob: Max. 85 mW<br>Door Detector: Max. 70 mW<br>PIR Detector: Max. 75 mW                                                                                                                                                                |
| Operating environment | Hub: -10 °C to +50 °C (+14 °F to +122 °F) (indoor)<br>Keyfob: -10 °C to +55 °C (+14 °F to +131 °F) (indoor)<br>Door Detector: -10 °C to +55 °C (+14 °F to +131 °F) (indoor)<br>PIR Detector: -10 °C to +55 °C (+14 °F to +131 °F) (indoor) |
| Operating Humidity    | All: 10%–90% (RH)                                                                                                                                                                                                                          |

|                      |                                                                                                                                                                                                                                                                                                                         |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Dimensions   | Hub: 163.0 mm × 163.0 mm × 32.0 mm (6.42" × 6.42" × 1.26") (L × W × H)<br>Keyfob: 60.0 mm × 39.5 mm × 15.0 mm (2.36" × 1.56" × 0.59") (L × W × H)<br>Door Detector: 100.2 mm × 20.8 mm × 20.3 mm (3.94" × 0.82" × 0.80") (L × W × H)<br>PIR Detector: 104.0 mm × 60.0 mm × 50.0 mm (4.09" × 2.36" × 1.97") (L × W × H)  |
| Packaging Dimensions | Hub: 219.0 mm × 187.0 mm × 91.0 mm (8.62" × 7.36" × 3.58") (L × W × H)<br>Keyfob: 135.0 mm × 98.5 mm × 27.8 mm (5.31" × 3.88" × 1.09") (L × W × H)<br>Door Detector: 135.0 mm × 98.5 mm × 27.8 mm (5.31" × 3.88" × 1.09") (L × W × H)<br>PIR Detector: 135.0 mm × 98.5 mm × 56.8 mm (5.31" × 3.88" × 2.24") (L × W × H) |
| Installation         | Hub: Wall mount; Desktop<br>Door Detector: Bracket mount<br>PIR Detector: Wall mount                                                                                                                                                                                                                                    |
| Net Weight           | Hub: 0.38 Kg (0.84 lb)<br>Keyfob: 20 g (0.04 lb)<br>Door Detector: 70 g (0.15 lb)<br>PIR Detector: 100 g (0.22 lb)                                                                                                                                                                                                      |
| Gross Weight         | Hub: 0.8 Kg (1.76 lb)<br>Keyfob: 65 g (0.14 lb)<br>Door Detector: 115 g (0.25 lb)<br>PIR Detector: 170 g (0.37 lb)                                                                                                                                                                                                      |
| Casing               | All: PC + ABS                                                                                                                                                                                                                                                                                                           |
| Certifications       | All: CE                                                                                                                                                                                                                                                                                                                 |

## Ordering Information

| Type      | Model                  | Description                                                                                                                                                 |
|-----------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alarm KIT | DHI-ART-ARC3000H-03-W2 | Alarm hub (Wi-Fi; Europe power adapter by default; UK and USA power adapters are optional), wireless keyfob, wireless door detector, wireless PIR detector. |

## Application





# PRODUITS FILAIRES



# **CONTROLEURS** **FILAIRES**

# DHI-ARC2008C-V3

## Alarm Controller



### System Overview

Driven by its advanced control technology and powerful data transmission capabilities, this series of alarm controller ensures the reliable, stable running of the entire system. This high security series supports being used locally, without networking, and being networked to form a powerful security monitoring system. When used along with professional alarm platform software, it fully displays its powerful networking and remote monitoring capabilities.

### Scene

It is suitable for security use in scenes, such as schools, shops, factories, financial fields, legal fields and smart communities.

### Technical Specification

#### Input/Output

|              |                                                       |
|--------------|-------------------------------------------------------|
| Alarm Input  | 8 x channel local inputs (expandable to 72 channels)  |
| Alarm Output | 4 x channel local outputs (expandable to 84 channels) |

#### Interface

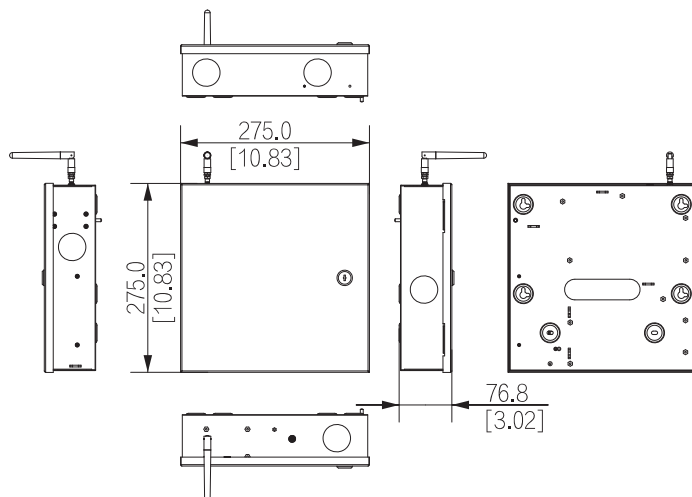
|                 |                                                                         |
|-----------------|-------------------------------------------------------------------------|
| Network Port    | 2 x RJ-45 10/100 self-adaptive Ethernet ports                           |
| Telephone Line  | 1-ch PSTN                                                               |
| Keyboard        | 32 x LCD keypads                                                        |
| Remote Control  | 32 x ARA24-W2                                                           |
| Storage Battery | 1 x port (battery: 12 VDC/7 Ah)                                         |
| RS-232          | 1                                                                       |
| Indicator Light | 3 x function indicators                                                 |
| Button          | 1 x forced start button; 1 x default jumper; 1 x factory default jumper |

- 8-channel local alarm input (expandable to 72 channels); supports NO/NC detector, detector tamper, short circuit and mask alarm.
- 4 channel alarm outputs (expandable to 84 channels), along with forced start/shutdown, auto control, and alarm linkage.
- Multiple zone types, such as instant zone, delayed zone, and 24-hour silent zone.
- Alarm input/output port circuit protection.
- Supports fault alarms, including controller tamper alarm, keypad tamper alarm, power failure alarm, battery failure alarm, battery undervoltage alarm, PSTN offline alarm, network disconnection alarm, IP conflict alarm, and MAC conflict alarm.
- 2-channel RS-485 ports; up to 32-channel keypads; printer connection.
- Emergency alarms, such as fire, medical and duress alarm.
- CID (Contact ID Protocol); reuses landline telephone port (personal call requires customized PSTN hardware module).
- Configuration method includes keypad and web; quick configuration guide; remote configuration and search.
- Up to 8 subsystems; single zone and subsystem arming/disarming; arming/disarming with keypad, keyfob, IC card and other methods.
- Supports 3 alarm receiving center at the same time, supports 3 different alarm reporting strategies.
- High-volume log search function.
- Remote update.
- Multiple device recovery methods.
- Two Ethernet ports and two wired alarm centers.

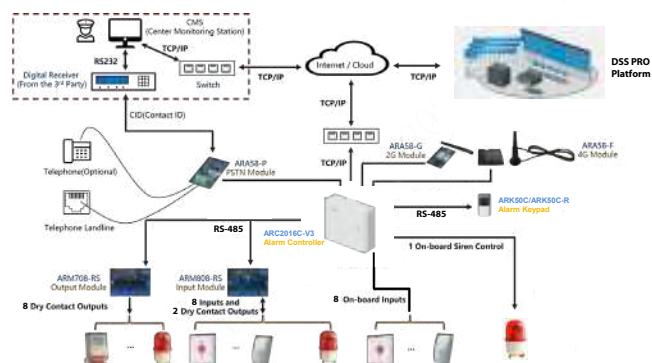
|                                                   |                                           |
|---------------------------------------------------|-------------------------------------------|
| RS-485                                            | 2 (keypad, expansion module, and printer) |
| Buzzer                                            | 1                                         |
| Function                                          |                                           |
| Tamper Alarm                                      | Controller tamper; housing tamper         |
| Auxiliary Power Output                            | 1 x 12 VDC, 1 A                           |
| Network Protocol                                  | TCP/IP, DHCP, static IP                   |
| Remote Update                                     | Yes                                       |
| Arm and Disarm                                    | Keypad; keyfob; IC card; web; platform    |
| Log                                               | 20,000                                    |
| Power Failure Protection for Configure Parameters | Yes                                       |
| Search Remote Alarm Event                         | Yes                                       |
| User Management                                   | 64 network users and 200 keypad users     |
| Access Configuration                              | Keypad; web                               |

|                      |                                                                           |
|----------------------|---------------------------------------------------------------------------|
| Search               | Configurations; system logs; zone faults; system faults; program versions |
| Language             | English, Russian, Latin American Spanish, and Arabic                      |
| <b>General</b>       |                                                                           |
| Power Supply         | 100–240 VAC, 50/60 Hz                                                     |
| Power Consumption    | Idling: 5 W<br>Full load: 60 W                                            |
| Operating Enironment | –10 °C to +55 °C (+14 °F to +131 °F)<br>10%–90% (RH)                      |
| Product Dimensions   | 275 mm × 74.8 mm × 275 mm (10.83" × 2.94" × 10.83")<br>(L × W × H)        |
| Packaging Dimensions | 375 mm × 155 mm × 312 mm (14.76" × 6.10" × 12.28")<br>(L × W × H)         |
| Installation         | Wall mount                                                                |
| Net Weight           | 2.1 kg (4.63 lb)                                                          |
| Gross Weight         | 2.5 kg (5.51 lb)                                                          |
| Certifications       | FCC; CE                                                                   |

## Dimensions (mm [inch])



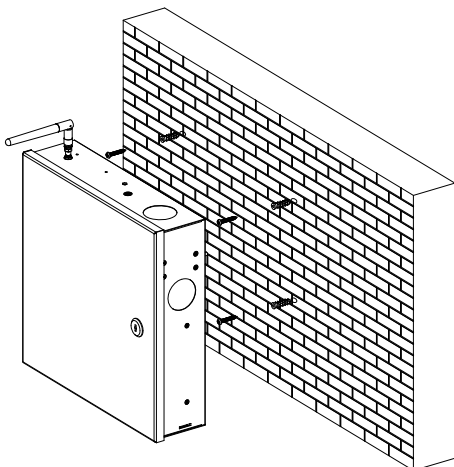
## Application



## Ordering Information

| Type                   | Model           | Description                  |
|------------------------|-----------------|------------------------------|
| Alarm controller       | DHI-ARC2008C-V3 | Alarm controller             |
|                        | DHI-ARK50C-R    | Alarm keypad (supports card) |
| Accessories (Optional) | DHI-ARK50C      | Alarm keypad                 |
|                        | ARM708-RS       | Output module                |
|                        | ARM808-RS       | Input module                 |
|                        | ARA58-P         | PSTN module                  |
|                        | ARA58-G-EN      | 2G module                    |
|                        | ARA58-F-EN      | 4G module                    |

## Installation



# DHI-ARC2016C-V3

## Alarm Controller



### System Overview

Driven by its advanced control technology and powerful data transmission capabilities, this series of alarm controller ensures the reliable, stable running of the entire system. This high security series supports being used locally, without networking, and being networked to form a powerful security monitoring system. When used along with professional alarm platform software, it fully displays its powerful networking and remote monitoring capabilities.

### Scene

It is suitable for security use in scenes, such as schools, shops, factories, financial fields, legal fields and smart communities.

### Technical Specification

#### Input/Output

|              |                                                       |
|--------------|-------------------------------------------------------|
| Alarm Input  | 16 x channel local inputs (expandable to 80 channels) |
| Alarm Output | 4 x channel local outputs (expandable to 84 channels) |

#### Interface

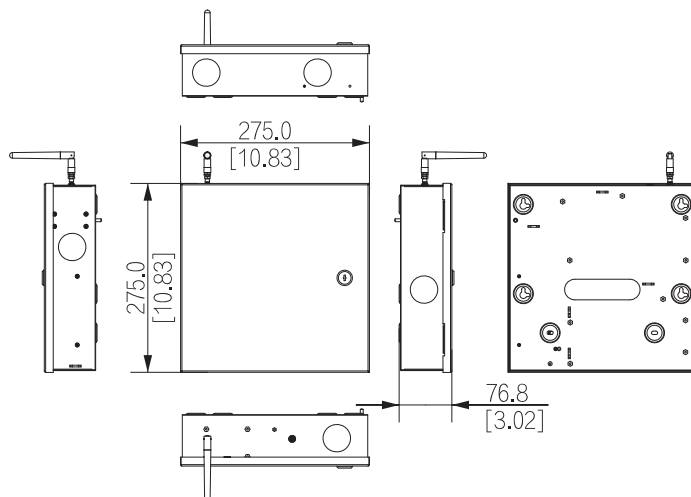
|                 |                                                                         |
|-----------------|-------------------------------------------------------------------------|
| Network Port    | 2 x RJ-45 10/100 self-adaptive Ethernet ports                           |
| Telephone Line  | 1-ch PSTN                                                               |
| Keyboard        | 32 x LCD keypads                                                        |
| Remote Control  | 32 x ARA24-W2                                                           |
| Storage Battery | 1 x port (battery: 12 VDC/7 Ah)                                         |
| RS-232          | 1                                                                       |
| Indicator Light | 3 x function indicators                                                 |
| Button          | 1 x forced start button; 1 x default jumper; 1 x factory default jumper |

- 16-channel local alarm input (expandable to 80 channels); supports NO/NC detector, detector tamper, short circuit and mask alarm.
- 4 channel alarm outputs (expandable to 84 channels), along with forced start/shutdown, auto control, and alarm linkage.
- Multiple zone types, such as instant zone, delayed zone, and 24-hour silent zone.
- Alarm input/output port circuit protection.
- Supports fault alarms, including controller tamper alarm, keypad tamper alarm, power failure alarm, battery failure alarm, battery undervoltage alarm, PSTN offline alarm, network disconnection alarm, IP conflict alarm, and MAC conflict alarm.
- 2-channel RS-485 ports; up to 32-channel keypads; printer connection.
- Emergency alarms, such as fire, medical and duress alarm.
- CID (Contact ID Protocol); reuses landline telephone port (personal call requires customized PSTN hardware module).
- Configuration method includes keypad and web; quick configuration guide; remote configuration and search.
- Up to 8 subsystems; single zone and subsystem arming/disarming; arming/disarming with keypad, keyfob, IC card and other methods.
- Supports 3 alarm receiving center at the same time, supports 3 different alarm reporting strategies.
- High-volume log search function.
- Remote update.
- Multiple device recovery methods.
- Two Ethernet ports and two wired alarm centers.

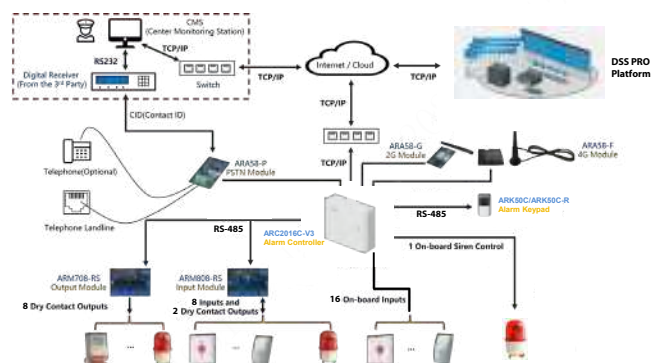
|                                                    |                                           |
|----------------------------------------------------|-------------------------------------------|
| RS-485                                             | 2 (keypad, expansion module, and printer) |
| Buzzer                                             | 1                                         |
| <b>Function</b>                                    |                                           |
| Tamper Alarm                                       | Controller tamper; housing tamper         |
| Auxiliary Power Output                             | 1 x 12 VDC, 1 A                           |
| Network Protocol                                   | TCP/IP, DHCP, static IP                   |
| Remote Update                                      | Yes                                       |
| Arm and Disarm                                     | Keypad; keyfob; IC card; web; platform    |
| Log                                                | 20,000                                    |
| Power Failure Protection for Configured Parameters | Yes                                       |
| Search Remote Alarm Event                          | Yes                                       |
| User Management                                    | 64 network users and 200 keypad users     |
| Access Configuration                               | Keypad; web                               |

|                       |                                                                           |
|-----------------------|---------------------------------------------------------------------------|
| Search                | Configurations; system logs; zone faults; system faults; program versions |
| Language              | English, Russian, Latin American Spanish, and Arabic                      |
| General               |                                                                           |
| Power Supply          | 100–240 VAC, 50/60 Hz                                                     |
| Power Consumption     | Idling: 5 W<br>Full load: 60 W                                            |
| Operating Environment | –10 °C to +55 °C (+14 °F to +131 °F)<br>10%–90% (RH)                      |
| Product Dimensions    | 275 mm × 74.8 mm × 275 mm (10.83" × 2.94" × 10.83")<br>(L × W × H)        |
| Packaging Dimensions  | 375 mm × 155 mm × 312 mm (14.76" × 6.10" × 12.28")<br>(L × W × H)         |
| Installation          | Wall mount                                                                |
| Net Weight            | 2.1 kg (4.63 lb)                                                          |
| Gross Weight          | 2.5 kg (5.51 lb)                                                          |
| Certifications        | FCC; CE                                                                   |

## Dimensions (mm [inch])



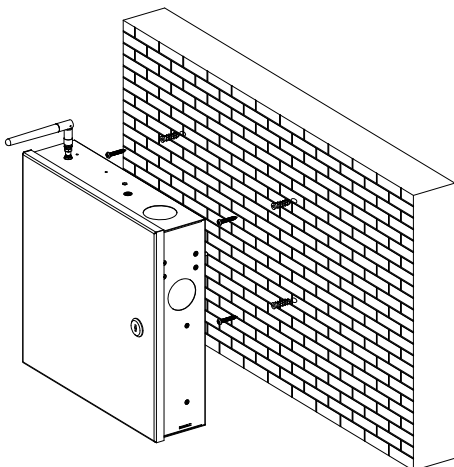
## Application



## Ordering Information

| Type                   | Model           | Description                  |
|------------------------|-----------------|------------------------------|
| Alarm controller       | DHI-ARC2016C-V3 | Alarm controller             |
|                        | DHI-ARK50C-R    | Alarm keypad (supports card) |
| Accessories (Optional) | DHI-ARK50C      | Alarm keypad                 |
|                        | ARM708-RS       | Output module                |
|                        | ARM808-RS       | Input module                 |
|                        | ARA58-P         | PSTN module                  |
|                        | ARA58-G-EN      | 2G module                    |
|                        | ARA58-F-EN      | 4G module                    |

## Installation



# DHI-ARC3008C

## Security Control Panel



- Supports more than 11 zone types.
- 7 sorts of zone terminations, including closed-circuit (NC), open-circuit (NO), end-of-line (EOL) resistors, double end-of-line (DEOL) resistors, triple end-of-line (3DEOL) resistors, inertial type for vibration detector and pulse type for roller shutter.
- Configurable zone resistance (2K7, 4K7, and 6K8).
- GSM/GPRS/LTE network ports for events SMS reporting and remote control, events vocal message reporting by dialing and remote control, and mobile phone app connection ability when Ethernet connection failed.
- Supports abnormality alarm, including network disconnection alarm, PSTN fault alarm, tampering alarm, low battery alarm, battery loss alarm, power loss alarm, and keyboard fault alarm.
- In-field firmware upgradable.
- 3 telephone numbers for monitor station (PSTN).

### System Overview

This security control panel is a high performance anti-theft controller designed for the middle and small alarm solutions. It features high security and excellent stability with embedded Linux operating system and platform, so the system can run steadily with advanced controlling technology and strong data transmission ability. This product can work both independently and with professional app on mobile phone, which is convenient for remote viewing and alarm status controlling. An all-round security surveillance network is formed when the product works with professional alarm platforms, which can be widely applied for financial service centers, shops, villas, apartments, museums, libraries, office buildings and other security protection scenarios.

### Technical Specification

#### Port

|              |                                                                                                |
|--------------|------------------------------------------------------------------------------------------------|
| Alarm Input  | 8 on-board zones, can be expanded to 72 for zone alarm input                                   |
| Alarm Output | 2 on-board PGMs, can be expanded to 82 (channel 1–2: MOS outputs, channel 3–82: Relay outputs) |
| Network      | 1 RJ-45 10M/100M self-adaptive Ethernet port                                                   |
| PSTN         | One group of PSTN RJ-11 ports for connecting to PSTN module                                    |
| RS-485       | 2-channel RS-485 ports, support keyboard (A1B1) and expansion module (A2B2)                    |
| 2G           | UART port for connecting to 2G module                                                          |
| 4G           | USB port for connecting to 4G module                                                           |

|                        |                                                       |
|------------------------|-------------------------------------------------------|
| Siren                  | 1 12V/1A siren output port                            |
| Battery                | 1 12V/7Ah battery port                                |
| Auxiliary Power Output | 2 12V/1A AUX power output ports                       |
| Tamper                 | 1 cover removal tamper switch<br>1 siren tamper input |

#### Function

|                         |                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| SMS Notification        | Supports up to 8 telephone numbers for SMS and remote control (with 2G or 4G module)                                                                   |
| Phone Call Notification | Supports up to 8 telephone numbers for vocal message (with 2G or 4G module)                                                                            |
| Network Protocol        | TCP/IP, DHCP, static IP, P2P                                                                                                                           |
| Configuration Method    | Keypad, client software                                                                                                                                |
| Arm/Disarm Method       | Keyboard, swipe card, DMSS App, SMS, Schedule                                                                                                          |
| External Agreement      | Supports customized access to the third parties by SIA                                                                                                 |
| Number of Keyboards     | Max. 8 keypads                                                                                                                                         |
| Area                    | 8 areas                                                                                                                                                |
| Partition               | Each area includes 2 partitions                                                                                                                        |
| Timers                  | 8 timers, can be used for user authorization restrictions, output linkage control, automatic arming and disarming control, and more                    |
| Power Management        | Automatic switching between main power supply and backup power supply<br>Alarm for main power loss<br>Alarm for battery loss and battery voltage fault |
| Event Logs              | Max. 1000                                                                                                                                              |

|                 |                                                                                                                         |
|-----------------|-------------------------------------------------------------------------------------------------------------------------|
| User Management | Max. 100 users<br>7 permission levels: Supervisor, Manager, Master, User, Temporary, Duress, and Patrol<br>1 TECHNICIAN |
| Query           | Query for zone fault, system fault, program version, and signal strength                                                |
| Language        | English, Italian                                                                                                        |
| App             | DMSS App                                                                                                                |
| RFID Card       | Arm and disarm by swiping card (With ASR1101A/ASR1101A-D)                                                               |

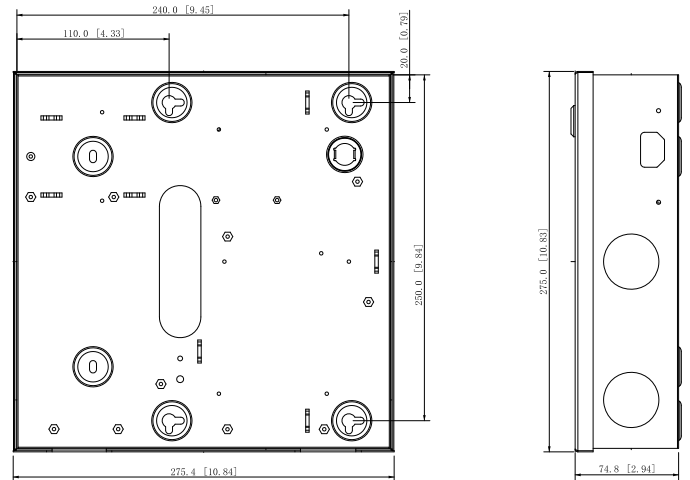
#### General

|                       |                                                                        |
|-----------------------|------------------------------------------------------------------------|
| Main Power            | Input: 110-220V AC, 50/60Hz<br>Output: 14.5V DC 2.7A                   |
| Standby Power         | 12V DC/7Ah lead-acid battery                                           |
| Power Consumption     | Max. 35W                                                               |
| Operating Temperature | -10°C to +50°C (14°F to 122 °F)                                        |
| Operating Humidity    | 10%–90% (RH)                                                           |
| Product Dimensions    | 275.0 mm × 275.0 mm × 77.0 mm<br>(10.83" × 10.83" × 3.03") (L × W × H) |
| Installation          | Wall mount                                                             |
| Net Weight            | ≤3 kg (6.61 lb)                                                        |
| Certification         | CE: 4789104635 EN 50131-3; Security Grade 2; Environment Class II      |

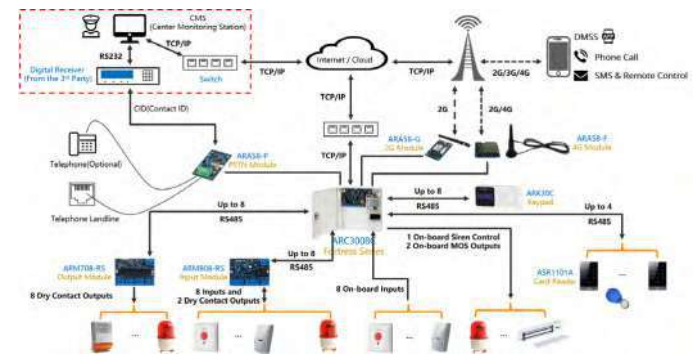
#### Ordering Information

| Type                   | Model         | Description                                                |
|------------------------|---------------|------------------------------------------------------------|
| Alarm Controller       | DHI-ARC3008C  | Security Control Panel                                     |
| Accessories (Optional) | DHI-ARK30C    | Keypad                                                     |
|                        | ARA58-P       | PSTN Module                                                |
|                        | ARA58-G-IT    | 2G module (embedded Italian voice)                         |
|                        | ARA58-G-EN    | 2G module (embedded English voice)                         |
|                        | ARA58-F-EN    | 4G module (embedded English voice)                         |
|                        | DHI-ARM808-RS | Zone expansion module (with 1 NO/NC optional relay output) |
|                        | DHI-ARM708-RS | Relay expansion module                                     |

#### Dimensions (mm/inch)



#### Application



# DHI-ARC9016C-V3

## Alarm Controller



### System Overview

Driven by its advanced control technology and powerful data transmission capabilities, this series of alarm controller ensures the reliable, stable running of the entire system. This high security series supports being used locally, without networking, and being networked to form a powerful security monitoring system. When used along with professional alarm platform software, it fully displays its powerful networking and remote monitoring capabilities.

### Scene

It is suitable for security use in scenes, such as schools, shops, factories, financial fields, legal fields and smart communities.

### Technical Specification

#### Input/Output

|              |                                                        |
|--------------|--------------------------------------------------------|
| Alarm Input  | 16 x channel local inputs (expandable to 256 channels) |
| Alarm Output | 4 x channel local outputs (expandable to 256 channels) |

#### Interface

|                 |                                                                         |
|-----------------|-------------------------------------------------------------------------|
| Network Port    | 2 x RJ-45 10/100 self-adaptive Ethernet ports                           |
| Telephone Line  | 1-ch PSTN                                                               |
| Keyboard        | 32 x LCD keypads                                                        |
| Remote Control  | 32 x ARA24-W2                                                           |
| Storage Battery | 1 x port (battery: 12 VDC/7 Ah)                                         |
| RS-232          | 1                                                                       |
| Indicator Light | 3 x function indicators                                                 |
| Button          | 1 x forced start button; 1 x default jumper; 1 x factory default jumper |

- 16-channel local alarm input (expandable to 256 channels); supports NO/NC detector, detector tamper, short circuit and mask alarm.
- 4 channel alarm outputs (expandable to 256 channels), along with forced start/shutdown, auto control, and alarm linkage.
- Multiple zone types, such as instant zone, delayed zone, and 24-hour silent zone.
- Alarm input/output port circuit protection.
- Supports fault alarms, including controller tamper alarm, keypad tamper alarm, power failure alarm, battery failure alarm, battery undervoltage alarm, PSTN offline alarm, network disconnection alarm, IP conflict alarm, and MAC conflict alarm.
- 2-channel RS-485 ports; up to 32-channel keypads; printer connection.
- Emergency alarms, such as fire, medical and duress alarm.
- CID (Contact ID Protocol); reuses landline telephone port (personal call requires customized PSTN hardware module).
- Configuration method includes keypad and web; quick configuration guide; remote configuration and search.
- Up to 8 subsystems; single zone and subsystem arming/disarming; arming/disarming with keypad, keyfob, IC card and other methods.
- Supports 3 alarm receiving center at the same time, supports 3 different alarm reporting strategies.
- High-volume log search function.
- Remote update.
- Multiple device recovery methods.
- Two Ethernet ports and two wired alarm centers.

|        |                                                                                |
|--------|--------------------------------------------------------------------------------|
| RS-485 | 2 (keypad, expansion module, and printer)                                      |
| M-BUS  | 2-ch M-Bus expansion (communication distance of up to 2.4 km for each channel) |
| Buzzer | 1                                                                              |

#### Function

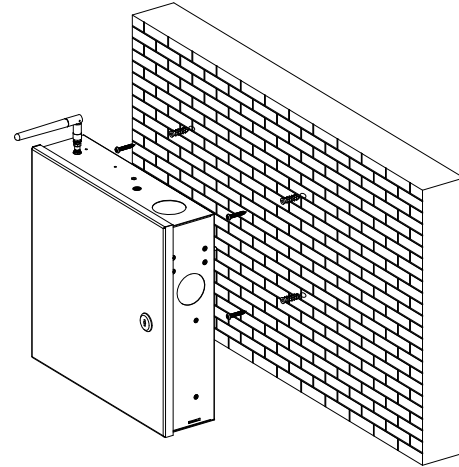
|                                                    |                                        |
|----------------------------------------------------|----------------------------------------|
| Tamper Alarm                                       | Controller tamper; housing tamper      |
| Auxiliary Power Output                             | 1 x 12 VDC, 1 A                        |
| Network Protocol                                   | TCP/IP, DHCP, static IP                |
| Remote Update                                      | Yes                                    |
| Arm and Disarm                                     | Keypad; keyfob; IC card; web; platform |
| Log                                                | 20,000                                 |
| Power Failure Protection for Configured Parameters | Yes                                    |
| Search Remote Alarm Event                          | Yes                                    |
| User Management                                    | 64 network users and 200 keypad users  |

|                      |                                                                           |
|----------------------|---------------------------------------------------------------------------|
| Access Configuration | Keypad; web                                                               |
| Search               | Configurations; system logs; zone faults; system faults; program versions |
| Language             | English, Russian, Latin American Spanish, and Arabic                      |

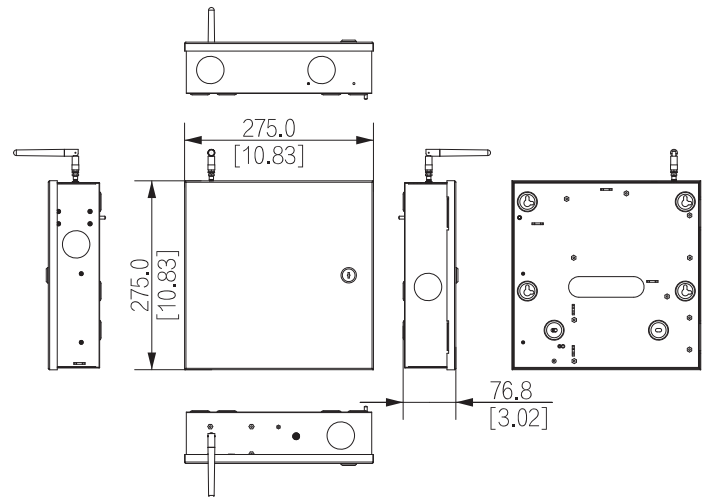
## General

|                       |                                                                    |
|-----------------------|--------------------------------------------------------------------|
| Power Supply          | 100–240 VAC, 50/60 Hz                                              |
| Power Consumption     | Idling: 5 W<br>Full load: 60 W                                     |
| Operating Environment | –10 °C to +55 °C (+14 °F to +131 °F)<br>10%–90% (RH)               |
| Product Dimensions    | 275 mm × 74.8 mm × 275 mm (10.83" × 2.94" × 10.83")<br>(L × W × H) |
| Packaging Dimensions  | 375 mm × 155 mm × 312 mm (14.76" × 6.10" × 12.28")<br>(L × W × H)  |
| Installation          | Wall mount                                                         |
| Net Weight            | 2.1 kg (4.63 lb)                                                   |
| Gross Weight          | 2.5 kg (5.51 lb)                                                   |
| Certifications        | FCC; CE                                                            |

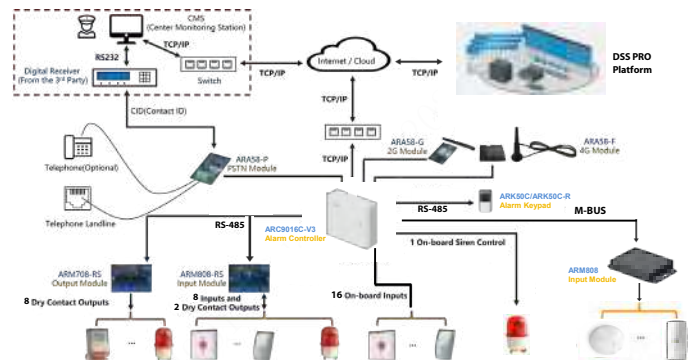
## Installation



## Dimensions (mm [inch])



## Application



# DHI-ARC2016U-G

## General Alarm Controller



### Features

- 16 on-board zones
- 14 alarm out
- 8 alarm keypad (ARK10C)
- Two independent access control
- One group audio talk, audio announcement
- TCP/IP, 2G(-G only), PSTN



### Technical Specification

|                                     |                                                                |
|-------------------------------------|----------------------------------------------------------------|
| Wired Zones                         | 16 on-board zones                                              |
| Alarm Output                        | 12 relay output (30VDC 1A), 2 strong relay output (220VAC 10A) |
| Network                             | 1-ch 10M/100M Ethernet port, RJ45 port<br>-G (GPRS 2G network) |
| Protocol                            | TCP/IP                                                         |
| Log                                 | 5000                                                           |
| Independent Security service center | 2 groups phone call security center                            |
| Siren                               | Support                                                        |
| PSTN Detect                         | Support                                                        |
| Anti-cut, Anti-circuit              | Support                                                        |
| SMS                                 | -G Support                                                     |
| Remote Upgrade                      | Support                                                        |
| Audio In                            | 1-ch 3.5mm JACK port in                                        |
| Audio Out                           | 1-ch 3.5mm JACK port out                                       |
| Alternate Power                     | External: +12V 7AH Lead-acid battery                           |
| Power                               | AC 100-240V, 50/60Hz, Max 35W                                  |
| Working Environment                 | -10°C~+55°C                                                    |

Overall dimensions\weight

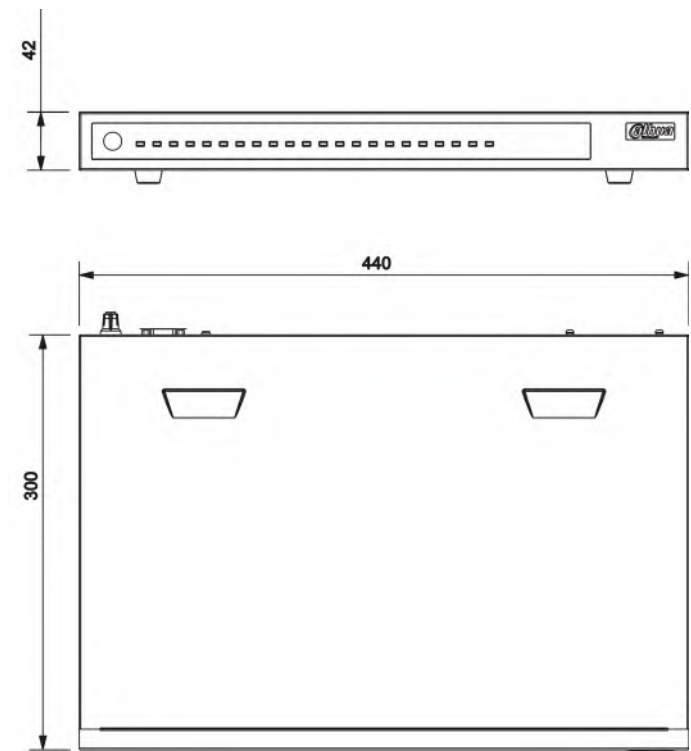
220L\*440W\*44.5H mm/&lt;3.5kg

Installation

Rack-mounted

| Ordering Information |                |                                                |
|----------------------|----------------|------------------------------------------------|
| Type                 | Part Number    | Description                                    |
| Controller           | DHI-ARC2016U   | General Alarm Controller                       |
| Controller           | DHI-ARC2016U-G | General Alarm Controller with 2G sim card slot |
| Keypad               | DHI-ARK10C     | Alarm keypad, Max. 8pcs                        |

Dimensions





# **DETECTEURS**

## **FILAIRES**

# DHI-ARD312

Iron Door Contact



- Works without a power supply.
- Highly durable and stable, its metal-plated surface allows it to be installed on metal materials.
- Controls the circuit of devices that require a voltage of no more than 100 VDC and a current of no more than 500 mA.

### System Overview

The device uses the magnetic component of the Reed switch to detect and trigger alarms when the door or window is opened.

### Scene

Used in scenarios where doors and windows must be kept closed.

### Technical Specification

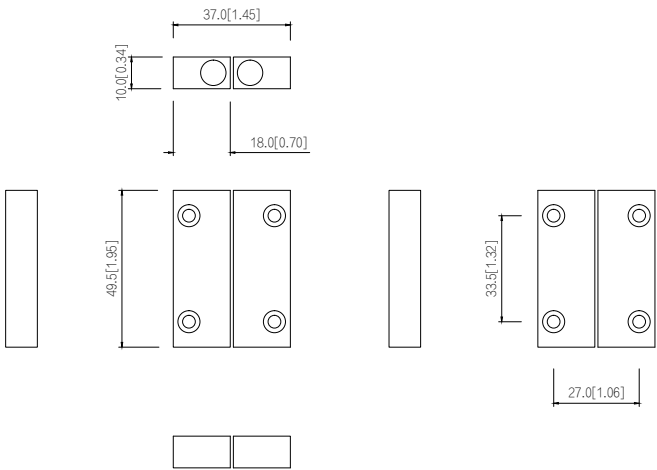
|                       |                                                                 |
|-----------------------|-----------------------------------------------------------------|
| Port                  |                                                                 |
| Alarm Output          | 1, NC, 100 VDC, Max. 500 mA                                     |
| Technical             |                                                                 |
| Movement Distance     | ≥35 mm (1.38")                                                  |
| General               |                                                                 |
| Operating Temperature | -10 °C to +55 °C (+14 °F to +131 °F)                            |
| Operating Humidity    | 10%–90% (RH)                                                    |
| Product Dimensions    | 18.0 mm × 10.0 mm × 50.0 mm (0.71" × 0.39" × 1.97") (L × W × H) |
| Net Weight            | 54 g (0.12 lb)                                                  |
| Gross Weight          | 56.7 g (0.13 lb)                                                |
| Installation          | Surface mount                                                   |
| Casing Material       | Metal plating                                                   |
| Appearance Color      | Silver grey                                                     |
| Certifications        | CE                                                              |
| Anti-corrosion Level  | Basic Protection                                                |
| Storage Temperature   | -10 °C to +55 °C (+14 °F to +131 °F)                            |

|                      |                                                                 |
|----------------------|-----------------------------------------------------------------|
| Storage Humidity     | 10%–90% (RH)                                                    |
| Packaging Dimensions | 55.0 mm × 25.0 mm × 70.0 mm (2.17" × 0.98" × 2.76") (L × W × H) |

### Ordering Information

| Type         | Model      | Description       |
|--------------|------------|-------------------|
| Door Contact | DHI-ARD312 | Iron Door Contact |

### Dimensions (mm[inch])



# DHI-ARD416

## Shock Detector



- Adjustable sensitivity.
- Supports explosion vibration alarm and slight vibration alarm, and triggers alarms when people pound on the material too many times.

### System Overview

The device uses the piezoelectric sensor to detect vibration signals.

### Scene

Used in locations that require high security such as ATM booths, vaults and museums.

### Technical Specification

#### Port

|              |                                                                                                   |
|--------------|---------------------------------------------------------------------------------------------------|
| Alarm Output | 1 × alarm output, NC, 24 VDC, Max. 100 mA<br>1 × case/wall tamper output, NC, 12 VDC, Max. 100 mA |
|--------------|---------------------------------------------------------------------------------------------------|

#### Function

|                 |                         |
|-----------------|-------------------------|
| Indicator Light | Red-and-green indicator |
|-----------------|-------------------------|

#### Technical

|                   |                                                                                       |
|-------------------|---------------------------------------------------------------------------------------|
| Sensor            | Piezoelectric ceramics                                                                |
| Detection Mode    | Piezoelectric sensor                                                                  |
| Sensitivity       | Adjustable sensitivity (moderate sensitivity by default)                              |
| Detection Range   | Metal: 2 m–7 m (6.56 ft–22.97 ft)<br>Reinforced concrete: 0.5 m–3 m (1.64 ft–9.84 ft) |
| Operating Current | ≤12 mA (12 VDC)                                                                       |
| Alarm Current     | ≤8 mA                                                                                 |

#### General

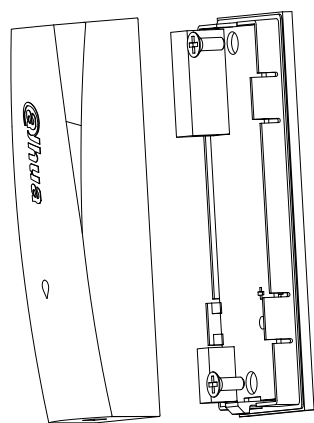
|                   |               |
|-------------------|---------------|
| Power Supply      | 9-15 VDC      |
| Power Consumption | 0.18 W (Max.) |

|                       |                                                                     |
|-----------------------|---------------------------------------------------------------------|
| Operating Temperature | –25 °C to +50 °C (–13 °F to +122 °F)                                |
| Operating Humidity    | 10%–95% (RH)                                                        |
| Product Dimensions    | 32.0 mm × 25.0 mm × 95.0 mm (1.26" × 0.98" × 3.74")<br>(L × W × H)  |
| Net Weight            | 41 g (0.09 lb)                                                      |
| Gross Weight          | 51 g (0.11 lb)                                                      |
| Installation          | Surface mount                                                       |
| Casing Material       | PC and ABS                                                          |
| Certifications        | CE                                                                  |
| Anti-corrosion Level  | Basic Protection                                                    |
| Storage Temperature   | –25 °C to +50 °C (–13 °F to +122 °F)                                |
| Storage Humidity      | 10%–95% (RH)                                                        |
| Packaging Dimensions  | 35.0 mm × 31.0 mm × 100.0 mm (1.38" × 1.22" × 3.94")<br>(L × W × H) |

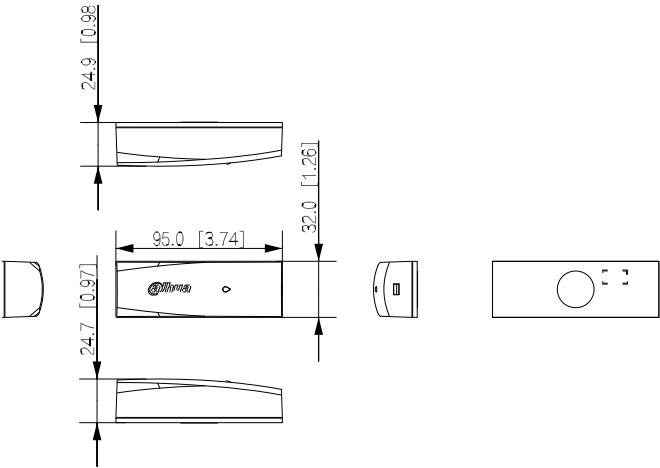
### Ordering Information

| Type           | Model      | Description    |
|----------------|------------|----------------|
| Shock Detector | DHI-ARD416 | Shock Detector |

Installation



Dimensions (mm[inch])



# DHI-ARD511

## Glass Break Detector



- Uses a micro sensor that analyzes sound to reduce the occurrence of false alarms.
- Up to 9 m detection range and adjustable sensitivity.
- Supports locking alarms and testing the on-site environment. You can switch between the modes through the jumper cap.
- Strong resistance to electromagnetic and frequency interference.

### System Overview

The device detects when glass is breaking based on the sound signals that occur at certain ranges.

### Scene

Ideal for protecting glass windows and doors from being violently broken.

### Technical Specification

#### Port

|              |                                                                                                  |
|--------------|--------------------------------------------------------------------------------------------------|
| Alarm Output | 1 × alarm output, NC, 28 VDC, Max. 80 mA<br>1 × case/wall tamper output, NC, 28 VDC, Max. 100 mA |
|--------------|--------------------------------------------------------------------------------------------------|

#### Function

|                 |                         |
|-----------------|-------------------------|
| Indicator Light | Red and green indicator |
|-----------------|-------------------------|

#### Technical

|                           |                                                     |
|---------------------------|-----------------------------------------------------|
| Detection Mode            | Piezoelectric sensor                                |
| Sensitivity               | Adjustable sensitivity                              |
| Detection Range           | Up to 9 m (29.53 ft)                                |
| Anti-EMI/RFI Interference | Yes (ideal for use in base stations and warehouses) |
| Operating Current         | ≤25 mA (12 VDC)                                     |

#### General

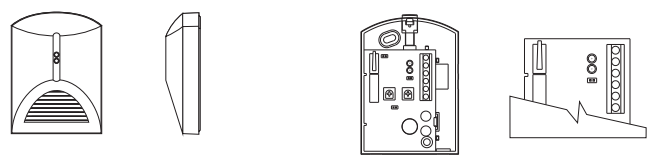
|                       |                                      |
|-----------------------|--------------------------------------|
| Power Supply          | 9–16 VDC                             |
| Power Consumption     | 0.4 W (Max.)                         |
| Operating Temperature | –10 °C to +55 °C (+14 °F to +131 °F) |
| Operating Humidity    | 10%–90% (RH)                         |

|                      |                                                                  |
|----------------------|------------------------------------------------------------------|
| Product Dimensions   | 67.0 mm × 26.4 mm × 92.0 mm (2.64" × 1.04" × 3.62") (L × W × H)  |
| Net Weight           | 85 g (0.19 lb)                                                   |
| Gross Weight         | 89 g (0.20 lb)                                                   |
| Installation         | Wall mount, ceiling mount                                        |
| Casing Material      | ABS                                                              |
| Appearance Color     | White                                                            |
| Certifications       | CE                                                               |
| Anti-corrosion Level | Basic Protection                                                 |
| Storage Temperature  | –10 °C to +55 °C (+14 °F to +131 °F)                             |
| Storage Humidity     | 10%–90% (RH)                                                     |
| Packaging Dimensions | 65.0 mm × 53.0 mm × 102.0 mm (2.56" × 2.09" × 4.02") (L × W × H) |

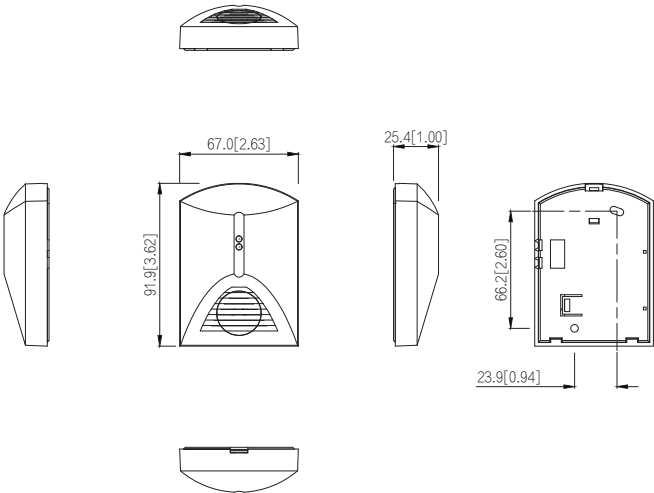
### Ordering Information

| Type                 | Model      | Description          |
|----------------------|------------|----------------------|
| Glass Break Detector | DHI-ARD511 | Glass Break Detector |

Installation



Dimensions (mm[inch])



# DHI-ARD1112C

## Ceiling PIR Detector



- Resists white light of up to 6,500 lux.
- Resistant to RF interference in circuits.
- Automatic temperature compensation.

### System Overview

The device detects when people move using PIR technology.

### Scene

Used in entrances and exits, such as doors, windows, balconies, elevators and corridors, to protect against intrusions.

### Technical Specification

#### Port

|              |                                                                                            |
|--------------|--------------------------------------------------------------------------------------------|
| Alarm Output | 1 × alarm output, NC/NO, 60 VDC, Max. 400 mA<br>1 × tamper output, NC, 28 VDC, Max. 100 mA |
|--------------|--------------------------------------------------------------------------------------------|

#### Function

|                 |               |
|-----------------|---------------|
| Indicator Light | Red indicator |
|-----------------|---------------|

#### Technical

|                                          |                                                                                                                                                                                                                                                  |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sensor                                   | Dual-element low-noise pyroelectric infrared sensor                                                                                                                                                                                              |
| Detection Mode                           | Passive Infrared Detection (PIR)                                                                                                                                                                                                                 |
| Sensitivity                              | Adjustable sensitivity                                                                                                                                                                                                                           |
| Detection Range                          | Distance: $\Phi 7$ m (22.97 ft) when installed 2.5 m (8.20 ft) above the floor, $\Phi 12$ m (39.37 ft) when installed 3.6 m (11.81 ft) above the floor and $\Phi 13$ m (42.65 ft) when installed 4.5 m (14.76 ft) above the floor<br>Angle: 360° |
| Detection Speed                          | 0.3 m/s–3 m/s (0.98 ft/s–9.84 ft/s)                                                                                                                                                                                                              |
| White Light Resistance Level             | 6,500 lux                                                                                                                                                                                                                                        |
| Two-way Digital Temperature Compensation | Yes                                                                                                                                                                                                                                              |
| Pulse Count                              | 1P; 2P                                                                                                                                                                                                                                           |
| Operating Current                        | ≤30 mA (12 VDC)                                                                                                                                                                                                                                  |

|               |        |
|---------------|--------|
| Alarm Current | ≤10 mA |
|---------------|--------|

#### General

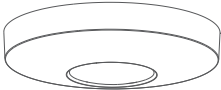
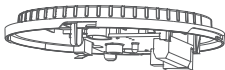
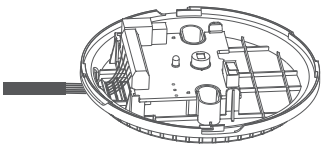
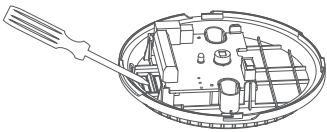
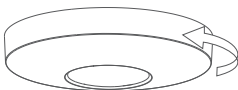
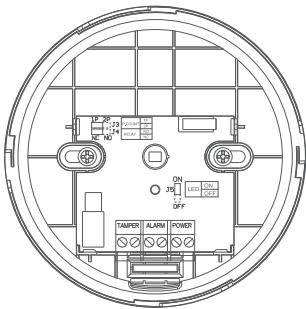
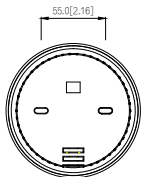
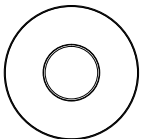
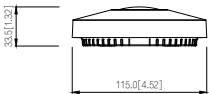
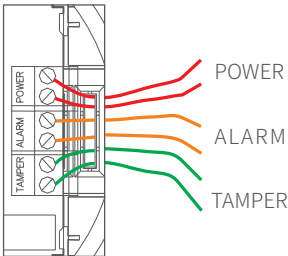
|                       |                                                                  |
|-----------------------|------------------------------------------------------------------|
| Power Supply          | 9–18 VDC                                                         |
| Power Consumption     | 0.54 W (Max.)                                                    |
| Operating Temperature | –10 °C to +55 °C (+14 °F to +131 °F)                             |
| Operating Humidity    | ≤95% (RH)                                                        |
| Product Dimensions    | 33.0 mm × $\Phi 115.0$ mm (1.30" × $\Phi 4.53$ ")                |
| Net Weight            | 96.3 g (0.21 lb)                                                 |
| Gross Weight          | 133.3 g (0.29 lb)                                                |
| Installation          | Ceiling mount at a height of 2.5 m–4.5 m (8.20 ft–14.76 ft)      |
| Casing Material       | ABS and PE                                                       |
| Appearance Color      | White                                                            |
| Protection            | CE                                                               |
| Certifications        | CE                                                               |
| Anti-corrosion Level  | Basic Protection                                                 |
| Storage Temperature   | –10 °C to +55 °C (+14 °F to +131 °F)                             |
| Storage Humidity      | ≤95% (RH)                                                        |
| Packaging Dimensions  | 50.0 mm × 142.0 mm × 140.0 mm (1.97" × 5.59 × 5.51") (L × W × H) |

### Ordering Information

| Type         | Model        | Description          |
|--------------|--------------|----------------------|
| PIR Detector | DHI-ARD1112C | Ceiling PIR Detector |

Installation

Dimensions (mm[inch])



# DHI-ARD1233

## PIR Detector



- RF interference is prevented from affecting PCB
- Automatic temperature compensation
- Detection angle up to 90°
- IR detection distance up to 12 m

### System Overview

PIR Detector brings elegance and protection into one device that quickly detects and responds to intrusions, triggering alarms. It supports two alarm output modes (normally open and normally closed), and anti-demolition detection. Its in-built circuit has many functions, such as anti-RF interference and automatic temperature compensation. The detection distance can reach up to 12 m and the angle range can reach up to 90°.

### Scene

It is suitable for the security guard of positions such as balcony, window and corridor.

### Technical Specification

#### Function

|        |                                                          |
|--------|----------------------------------------------------------|
| Tamper | NC output, dry contact (contact capacity: 28 VDC, 80 mA) |
|--------|----------------------------------------------------------|

#### General

|                       |                                                             |
|-----------------------|-------------------------------------------------------------|
| Power Supply          | 9–24 VDC                                                    |
| Operating Temperature | –10 °C to +55 °C (+14 °F to +131 °F)                        |
| Operating Humidity    | ≤95% (RH)                                                   |
| Product Dimensions    | 45 mm × 35 mm × 99 mm (1.77" × 1.38" × 3.9")                |
| Packaging Dimensions  | 102 mm × 46 mm × 100 mm (4.02" × 1.81" × 3.94") (L × W × H) |
| Net Weight            | 50 g (0.11 lb)                                              |
| Installation          | Wall mount (2.2 m/7.22 ft)                                  |
| Casing Material       | Fireproof ABS                                               |

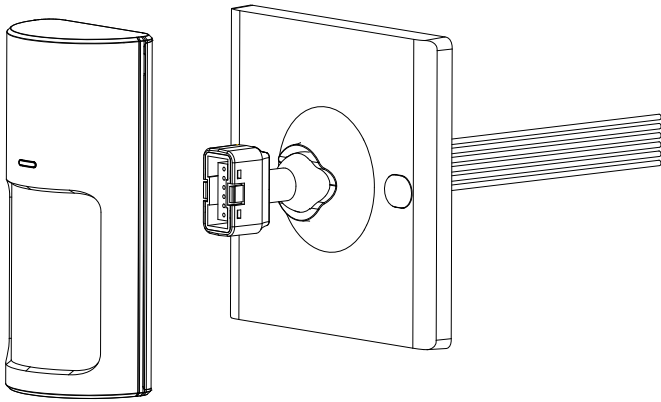
### Technical

|                   |                                                           |
|-------------------|-----------------------------------------------------------|
| Operating Current | ≤25 mA                                                    |
| Relay             | NC in default, NO optional (contact capacity: 28VDC/80mA) |
| Detection Speed   | 0.3-3 m/s (0.98 ft/s-9.84 ft/s)                           |
| Detection Range   | 90°/12 m                                                  |

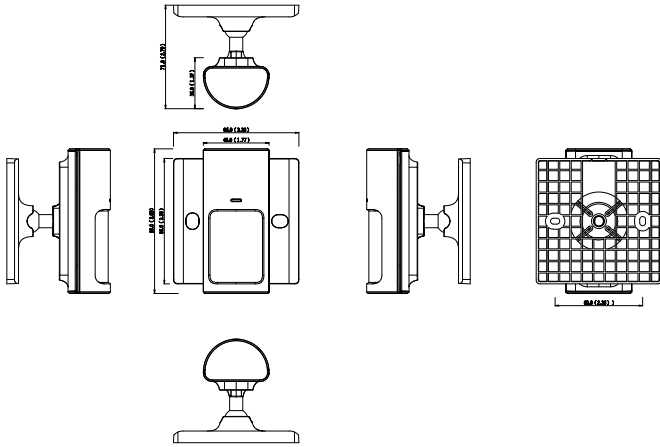
### Ordering Information

| Type         | Model       | Description                                                                                                                                                                                                                     |
|--------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PIR Detector | DHI-ARD1233 | RF interference is prevented from affecting PCB<br>Automatic temperature compensation<br>IR detection distance up to 12 m<br>Detection angle up to 90°<br>Tamper detection<br>For indoors: –10 °C to +55 °C (+14 °F to +131 °F) |

## Installation



## Dimensions (mm[inch])



# DHI-ARD1613

Curtain PIR Detector



- Resists white light of up to 6,500 lux.
- Resistant to RF interference in circuits.
- Automatic temperature compensation.

### System Overview

The device detects when people move using PIR technology.

### Scene

Used in entrances and exits, such as doors, windows, balconies, elevators and corridors, to protect against intrusions.

### Technical Specification

|                                          |                                                                                       |
|------------------------------------------|---------------------------------------------------------------------------------------|
| Port                                     |                                                                                       |
| Alarm Output                             | 1 × alarm output, NC, 28 VDC, Max. 80 mA<br>1 × tamper output, NC, 28 VDC, Max. 80 mA |
| Function                                 |                                                                                       |
| Indicator Light                          | Red indicator                                                                         |
| Technical                                |                                                                                       |
| Sensor                                   | Pyroelectric infrared sensor                                                          |
| Detection Mode                           | Passive Infrared Detection (PIR)                                                      |
| Detection Range                          | Diatnce: 8 m (26.25 ft, wall mount); 4 m (13.12 ft, ceiling mount)<br>Angle: 15°      |
| Detection Speed                          | 0.3 m/s–3 m/s (0.98 ft/s–9.84 ft/s)                                                   |
| White Light Resistance Level             | 6,500 lux                                                                             |
| Two-way Digital Temperature Compensation | Yes                                                                                   |
| Operating Current                        | ≤25 mA (12VDC)                                                                        |
| Alarm Current                            | ≤15 mA                                                                                |

### General

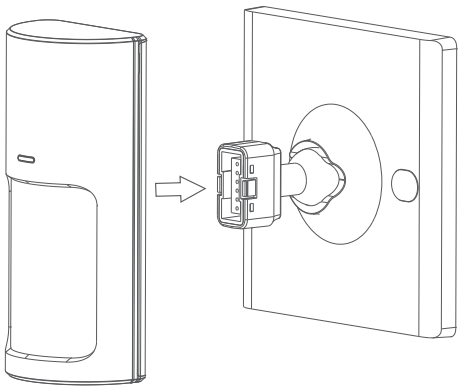
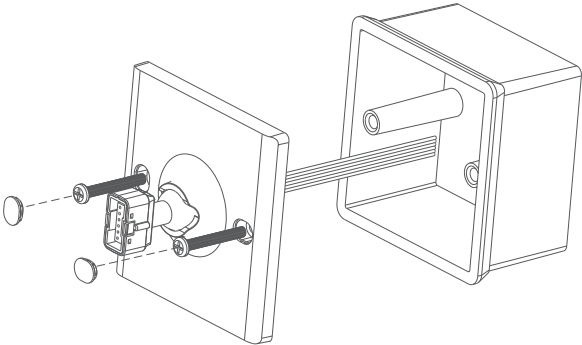
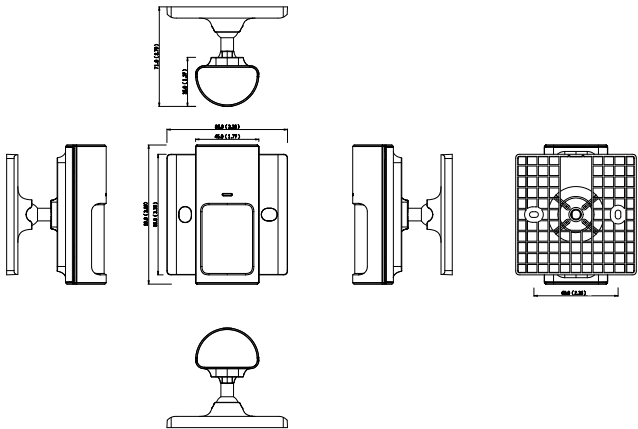
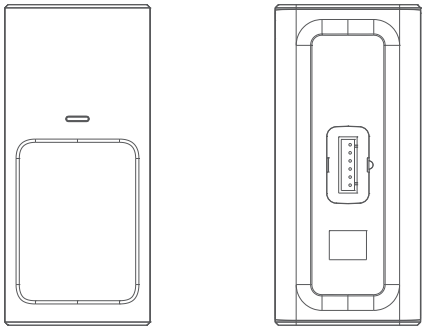
|                       |                                                                   |
|-----------------------|-------------------------------------------------------------------|
| Power Supply          | 9–24 VDC                                                          |
| Power Consumption     | 0.6 W (Max.)                                                      |
| Operating Temperature | –10 °C to +55 °C (+14 °F to +131 °F)                              |
| Operating Humidity    | ≤95% (RH)                                                         |
| Product Dimensions    | 45.0 mm × 35.0 mm × 99.0 mm (1.77" × 1.38" × 3.90")               |
| Net Weight            | 87.4 g (0.19 lb)                                                  |
| Gross Weight          | 119.4 g (0.26 lb)                                                 |
| Installation          | Wall mount, ceiling mount                                         |
| Casing Material       | PC and ABS                                                        |
| Appearance Color      | White                                                             |
| Certifications        | CE                                                                |
| Anti-corrosion Level  | Basic Protection                                                  |
| Storage Temperature   | –10 °C to +55 °C (+14 °F to +131 °F)                              |
| Storage Humidity      | ≤95% (RH)                                                         |
| Packaging Dimensions  | 46.0 mm × 100.0 mm × 103.0 mm (1.81" × 3.94" × 4.06") (L × W × H) |

### Ordering Information

| Type         | Model       | Description          |
|--------------|-------------|----------------------|
| PIR Detector | DHI-ARD1613 | Curtain PIR Detector |

Installation

Dimensions (mm[inch])



# DHI-ARD2112C

## Ceiling Dual-Tech Detector



- Resists white light of up to 6,500 lux.
- Two-way digital temperature compensation.
- Features AI and dynamic threshold technology.
- Resistant to EMI and RFI interference.

### System Overview

This device uses passive infrared and microwave detection technology to eliminate interference from changes in temperature and lighting, ensuring the accuracy of human motion detection.

### Scene

Used in entrances and exits, such as doors, windows, balconies and elevators to protect against intrusions.

### Technical Specification

#### Port

|              |                                                                                                 |
|--------------|-------------------------------------------------------------------------------------------------|
| Alarm Output | 1 × alarm output, NC/NO, 28 VDC, Max. 100 mA<br>1 × case tamper output, NC, 28 VDC, Max. 100 mA |
|--------------|-------------------------------------------------------------------------------------------------|

#### Function

|                 |                                 |
|-----------------|---------------------------------|
| Indicator Light | Red, green and yellow indicator |
|-----------------|---------------------------------|

#### Technical

|                              |                                                                                                                                                                                                                                                  |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sensor                       | Dual-element low-noise pyroelectric infrared sensor and microwave sensor                                                                                                                                                                         |
| Detection Mode               | Passive Infrared Detection (PIR) and microwave                                                                                                                                                                                                   |
| Sensitivity                  | Adjustable sensitivity                                                                                                                                                                                                                           |
| Detection Range              | Distance: $\Phi 7$ m (22.97 ft) when installed 2.5 m (8.20 ft) above the floor, $\Phi 12$ m (39.37 ft) when installed 3.6 m (11.81 ft) above the floor and $\Phi 13$ m (42.65 ft) when installed 4.5 m (14.76 ft) above the floor<br>Angle: 360° |
| Detection Speed              | 0.3 m/s–3 m/s (0.98 ft/s–9.84 ft/s)                                                                                                                                                                                                              |
| Microwave Frequency          | 10.53 GHz                                                                                                                                                                                                                                        |
| White Light Resistance Level | 6,500 lux                                                                                                                                                                                                                                        |

|                                          |                 |
|------------------------------------------|-----------------|
| Two-way Digital Temperature Compensation | Yes             |
| Operating Current                        | ≤60 mA (12 VDC) |
| Alarm Current                            | ≤50 mA          |

#### General

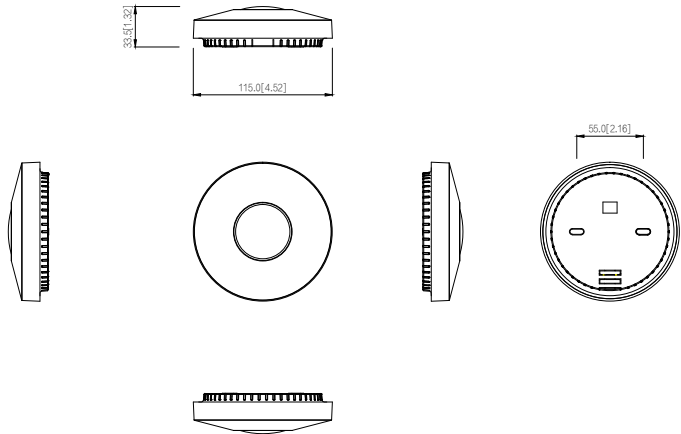
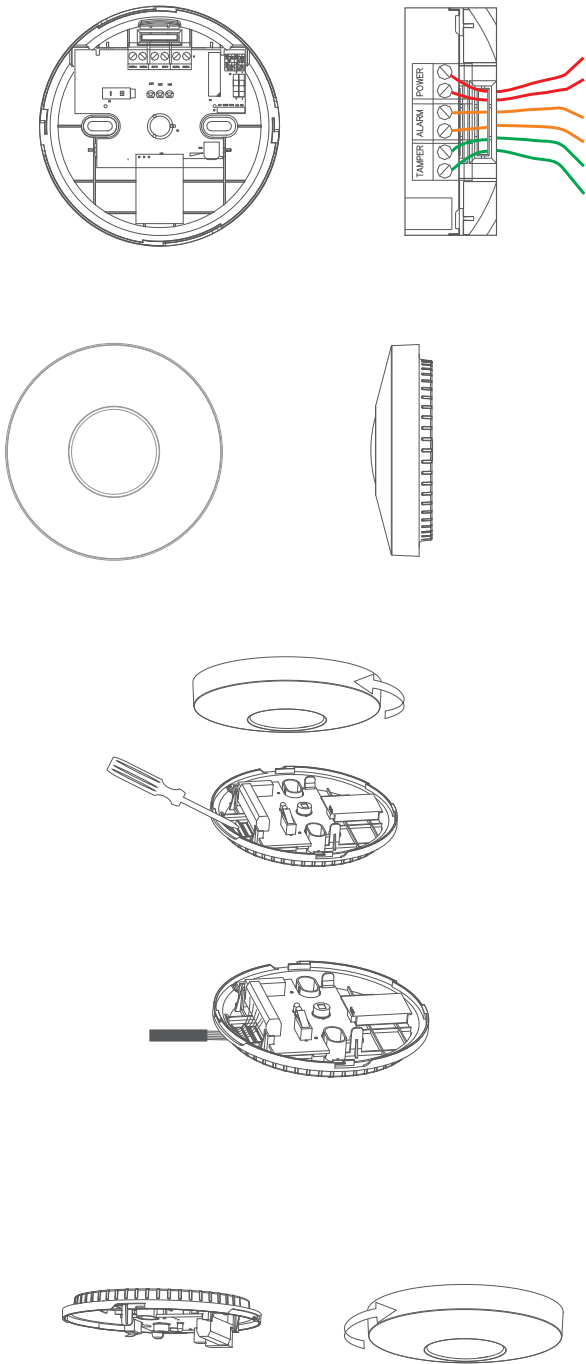
|                       |                                                                  |
|-----------------------|------------------------------------------------------------------|
| Power Supply          | 9–16 VDC                                                         |
| Power Consumption     | 0.8 W (Max.)                                                     |
| Operating Temperature | –10 °C to +55 °C (+14 °F to +131 °F)                             |
| Operating Humidity    | ≤95% (RH)                                                        |
| Product Dimensions    | 33.5 mm × $\Phi 114.0$ mm (1.32" × $\Phi 4.49$ ")                |
| Net Weight            | 96.3 g (0.21 lb)                                                 |
| Gross Weight          | 133.3 g (0.29 lb)                                                |
| Installation          | Ceiling mount at a height of 2.5 m–4.5 m (8.20 ft–14.76 ft)      |
| Casing Material       | ABS and PE                                                       |
| Appearance Color      | White                                                            |
| Certifications        | CE                                                               |
| Anti-corrosion Level  | Basic Protection                                                 |
| Storage Temperature   | –10 °C to +55 °C (+14 °F to +131 °F)                             |
| Storage Humidity      | ≤95% (RH)                                                        |
| Packaging Dimensions  | 50.0 mm × 142.0 mm × 140.0 mm (1.97" × 5.59 × 5.51") (L × W × H) |

### Ordering Information

| Type               | Model        | Description                |
|--------------------|--------------|----------------------------|
| Dual-tech Detector | DHI-ARD2112C | Ceiling Dual-Tech Detector |

Installation

Dimensions (mm[inch])



# DHI-ARD2235

## Dual-tech Detector



- Immune to animals that weigh up to 25 kg.
- Resists white light of up to 6,500 lux.
- Two-way digital temperature compensation.
- Features AI and dynamic threshold technology.
- Resistant to EMI and RFI interference.

### System Overview

This device uses passive infrared and microwave detection technology to eliminate interference from changes in temperature and lighting, ensuring the accuracy of human motion detection.

### Scene

Used in entrances and exits, such as doors, windows, balconies and elevators to protect against intrusions.

### Technical Specification

#### Port

|              |                                                                                                 |
|--------------|-------------------------------------------------------------------------------------------------|
| Alarm Output | 1 × alarm output, NC/NO, 60 VDC, Max. 400 mA<br>1 × case tamper output, NC, 28 VDC, Max. 100 mA |
|--------------|-------------------------------------------------------------------------------------------------|

#### Function

|                 |                                 |
|-----------------|---------------------------------|
| Indicator Light | Red, green and yellow indicator |
|-----------------|---------------------------------|

#### Technical

|                                          |                                                                              |
|------------------------------------------|------------------------------------------------------------------------------|
| Sensor                                   | Dual-element low-noise pyroelectric infrared sensor and microwave sensor     |
| Detection Mode                           | Passive Infrared Detection (PIR), microwave and intelligent review algorithm |
| Sensitivity                              | Adjustable sensitivity                                                       |
| Detection Range                          | Distance: 12 m (39.37 ft)<br>Angle: 90°                                      |
| Detection Speed                          | 0.3 m/s–3 m/s (0.98 ft/s–9.84 ft/s)                                          |
| Pet Immunity Level                       | ≤25 kg (55.12 lb)                                                            |
| White Light Resistance Level             | 6,500 lux                                                                    |
| Two-way Digital Temperature Compensation | Yes                                                                          |
| AND/OR Technology                        | Yes                                                                          |
| Dynamic Threshold Technology             | Yes                                                                          |

|                   |                 |
|-------------------|-----------------|
| Pulse Count       | Yes, 1P or 2P   |
| Operating Current | ≤30 mA (12 VDC) |
| Alarm Current     | ≤25 mA          |

#### General

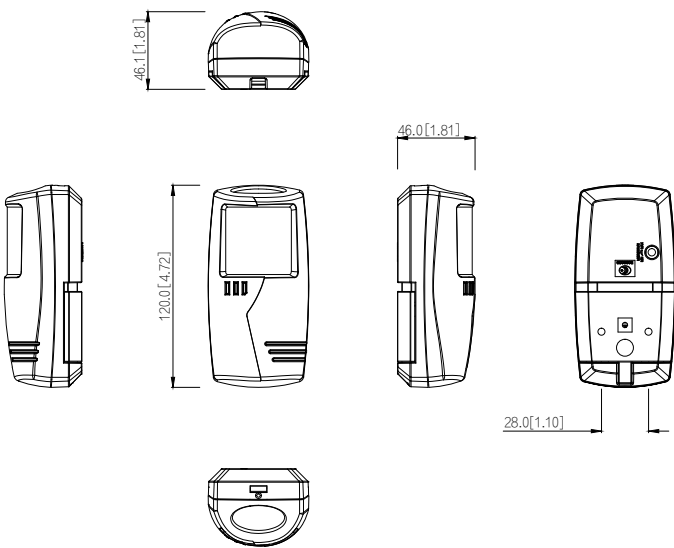
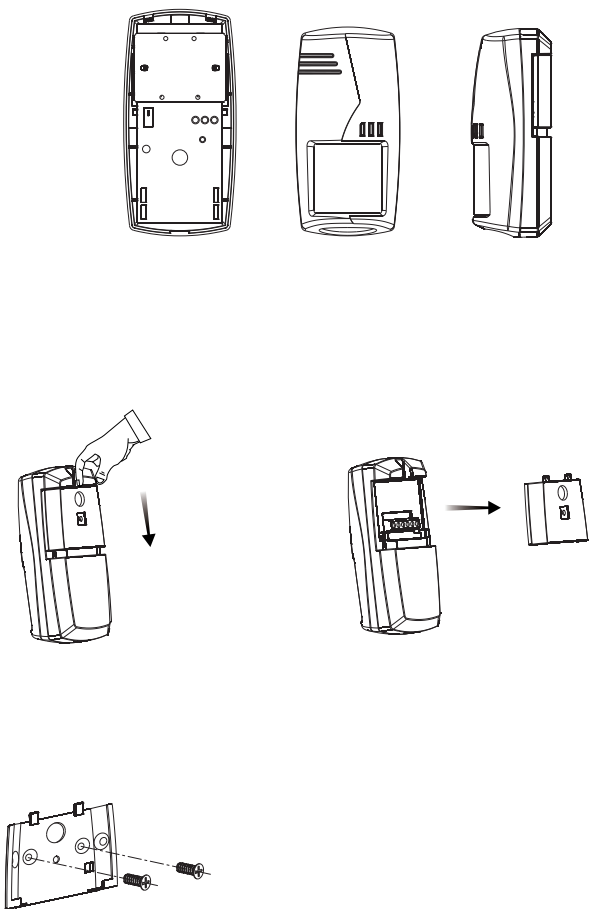
|                       |                                                                  |
|-----------------------|------------------------------------------------------------------|
| Power Supply          | 9–16VDC                                                          |
| Power Consumption     | 0.48 W (Max.)                                                    |
| Operating Temperature | –10 °C to +55 °C (+14 °F to +131 °F)                             |
| Operating Humidity    | ≤95% (RH)                                                        |
| Product Dimensions    | 60.0 mm × 46.0 mm × 120.0 mm (2.36" × 1.81" × 4.73") (L × W × H) |
| Net Weight            | 165.0 g (0.36 lb)                                                |
| Gross Weight          | 176 g (0.39 lb)                                                  |
| Installation          | Wall mount                                                       |
| Casing Material       | ABS                                                              |
| Appearance Color      | White                                                            |
| Certifications        | CE                                                               |
| Anti-corrosion Level  | Basic Protection                                                 |
| Storage Temperature   | –10 °C to +55 °C (+14 °F to +131 °F)                             |
| Storage Humidity      | ≤95% (RH)                                                        |
| Packaging Dimensions  | 82.0 mm × 50.0 mm × 133.0 mm (3.23" × 1.97" × 5.24") (L × W × H) |

### Ordering Information

| Type               | Model       | Description        |
|--------------------|-------------|--------------------|
| Dual-tech Detector | DHI-ARD2235 | Dual-tech Detector |

Installation

Dimensions (mm[inch])



# DHI-FAD201A

## 4-Wire Non-addressable Smoke Detector



### Overview

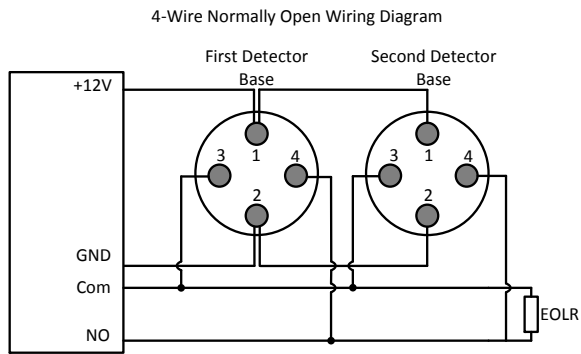
This product is a 4-Wire Non-addressable smoke detector, adopting unique dustproof, mothproof, anti-light interference structural design. Applications in hotel, accommodation, shopping mall, small storage and etc.

### Features

- Infrared photoelectric sensor
- MCU processing, eliminate false alarm
- Relay NO output and LED indicating alarm
- Surface-mount device (SMD) circuit board design

| Technical Specification |                                                      |
|-------------------------|------------------------------------------------------|
| Operating Voltage       | DC9V~DC15V                                           |
| Work Principle          | Photoelectric                                        |
| Standby Current         | ≤2mA                                                 |
| Alarm Current           | ≤30mA                                                |
| LED Status              | Normal: Red LED flashes per 9 seconds                |
|                         | Alarm: Red LED flashes quickly                       |
| Environment             | Temperature: -10°C~55°C    Relatively humidity: ≤95% |
| Alarm Output            | NO relay out                                         |
| Detection Range         | ≤60m <sup>2</sup>                                    |
| Dimensions              | 103mm × 104mm × 46mm                                 |
| Weight                  | About 120g                                           |
| Installation Method     | Ceiling or wall Mounting                             |
| Material                | ABS                                                  |
| Quality Level           | Industrial                                           |

## Typical Wiring Diagram





# **ACCESSOIRES**

## **FILAIRES**

# DHI-ARA11

## Indoor Siren



- Sound alarms triggered by high sound pressure.
- Indoor rotating alarm light.
- Made from environmentally-friendly plastics.

### System Overview

When receiving alarm signals, the device can trigger sound and light alarms.

### Scene

Ideal for use indoors.

### Technical Specification

#### Function

|                 |               |
|-----------------|---------------|
| Indicator Light | Red indicator |
| Buzzer          | 1             |

#### Technical

|                           |                              |
|---------------------------|------------------------------|
| Operating Current         | ≤300 mA (12 VDC)             |
| Continuous Operating Time | ≥45 min, 12 VDC              |
| Sound and Light Alarm     | Yes                          |
| Sound Pressure            | 105 dB ± 3 dB/30 cm (11.81") |

#### General

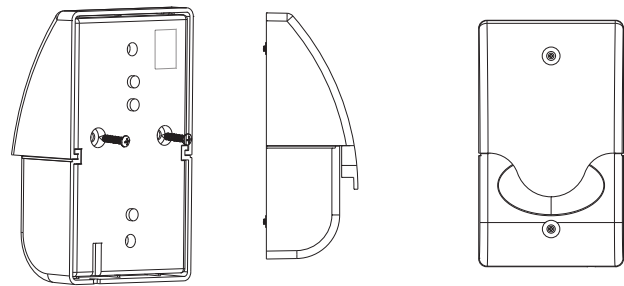
|                   |              |
|-------------------|--------------|
| Power Supply      | 10–15 VDC    |
| Power Consumption | 4.5 W (Max.) |

|                       |                                                                    |
|-----------------------|--------------------------------------------------------------------|
| Operating Temperature | –10 °C to +55 °C (+14 °F to +131 °F)                               |
| Operating Humidity    | ≤90% (RH)                                                          |
| Product Dimensions    | 73.0 mm × 43.0 mm × 124.6 mm ( 2.87" × 1.69" × 4.91" ) (L × W × H) |
| Net Weight            | 126 g (0.28 lb)                                                    |
| Gross Weight          | 140 g (0.31 lb)                                                    |
| Installation          | Surface mount                                                      |
| Casing Material       | ABS and acrylic plate                                              |
| Appearance Color      | White ABS and red acrylic plate                                    |
| Certifications        | CE                                                                 |
| Anti-corrosion Level  | Basic Protection                                                   |
| Storage Temperature   | –10 °C to +55 °C (+14 °F to +131 °F)                               |
| Storage Humidity      | ≤90% (RH)                                                          |
| Packaging Dimensions  | 82.0 mm × 50.0 mm × 133.0 mm (3.23" × 1.97" × 5.24") (L × W × H)   |

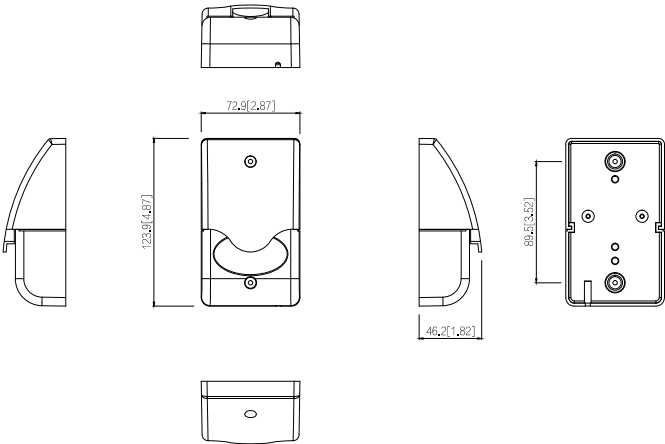
### Ordering Information

| Type  | Model     | Description  |
|-------|-----------|--------------|
| Siren | DHI-ARA11 | Indoor Siren |

Installation



Dimensions (mm[inch])



# DHI-ARA13

## External Siren



- Sound alarms triggered by high sound pressure.
- Outdoor rotating alarm light.
- Made from environmentally-friendly plastics.

### System Overview

When receiving alarm signals, the device can trigger sound and light alarms.

### Scene

Ideal for use outdoors.

### Technical Specification

#### Function

|                 |               |
|-----------------|---------------|
| Indicator Light | Red indicator |
| Buzzer          | 1             |

#### Technical

|                       |                           |
|-----------------------|---------------------------|
| Operating Current     | ≤200 mA (12 VDC)          |
| Sound and Light Alarm | Yes                       |
| Sound Pressure        | 105 ± 3 dB/30 cm (11.81") |

#### General

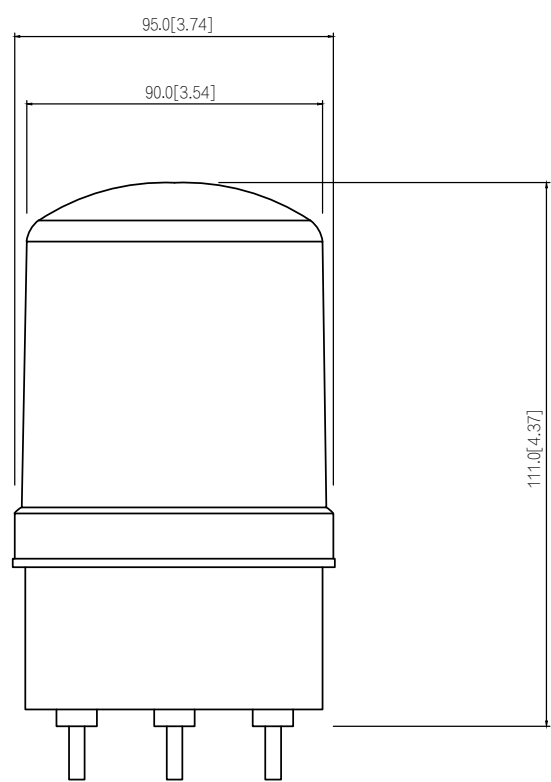
|                       |                                     |
|-----------------------|-------------------------------------|
| Power Supply          | 12 VDC                              |
| Power Consumption     | 2.4 W (Max.)                        |
| Operating Temperature | −20 °C to +70 °C (−4 °F to +158 °F) |

|                      |                                                                  |
|----------------------|------------------------------------------------------------------|
| Operating Humidity   | 10%–90% (RH)                                                     |
| Product Dimensions   | 157.0 mm × Φ89.5 mm (6.18" × Φ3.52")                             |
| Net Weight           | 240 g (0.53 lb)                                                  |
| Gross Weight         | 250 g (0.55 lb)                                                  |
| Installation         | Surface mount                                                    |
| Casing Material      | PC and ABS                                                       |
| Appearance Color     | Red lamp shade                                                   |
| Protection           | IP45                                                             |
| Certifications       | CE                                                               |
| Accessory            | L-shaped iron sheet bracket × 1                                  |
| Anti-corrosion Level | Basic Protection                                                 |
| Storage Temperature  | −20 °C to +70 °C (−4 °F to +158 °F)                              |
| Storage Humidity     | 10%–90% (RH)                                                     |
| Packaging Dimensions | 177.0 mm × 98.0 mm × 98.0 mm (6.97" × 3.86" × 3.86") (L × W × H) |

### Ordering Information

| Type  | Model     | Description    |
|-------|-----------|----------------|
| Siren | DHI-ARA13 | External Siren |

Dimensions (mm[inch])



## DHI-ARA21-W

### Four-Key Remote Control



### Feature

- Fine appearance, high performance, high reliability
- FSK, OOK modulation modes
- Frequency band is 434MHz by default
- Max transmit power +10 dBm
- Low consumption, current under sleep < 10nA
- Under +10dBm output power, TX current is 19.8mA (FSK transmit mode)
- Super-LOW current power down mode (30nA OFF current, 50nA standby current)
- Data transmission rate: max 100Kbps
- Power is 1.8V~3.6V
- Battery voltage detection
- 128 bit AES encryption algorithm

### Technical Specifications

| Model                | Description      | Min   | Regular  | Max   | Unit |
|----------------------|------------------|-------|----------|-------|------|
| Name                 | Wireless key fob |       |          |       |      |
| Working voltage      | 1.8              | 3.0   | 3.6      | V     |      |
| Frequency            |                  | 3.15  | 434      | 915   | MHz  |
| Max reflection power |                  | 9.2   | 9.6      | 10    | dBm  |
| Transmitting current | +10dBm 3.0V      | 18.9  | 19.8     | 21    | mA   |
| Data rate            | FSK Modulation   | 0.1   | 4.8      | 100   | Kbps |
| Key                  |                  |       | 4        |       |      |
| Temperature          |                  | -10°C |          | +50°C |      |
| Ingress protection   |                  |       | IP20     |       |      |
| Dimension            | L*W*H (mm)       |       | 62*30*14 |       |      |

# ARA58-F-EN



ARA58-F-EN



ARA58-F-AUX

- Simple installation, connects directly to PCB's connector through the serial line.
- Supports GSM/WCDMA/LTE-FDD/LTE-TDD.
- Sends messages to alert you of events. ARA58-F-EN also supports remotely controlling the device through the message.
- Calls to inform you of alarms. ARA58-F-EN also supports leaving a voice message.
- Used with wired control panel ARC2008C/ARC2016C/ARC9016C/ARC3008C.

## Technical Specification

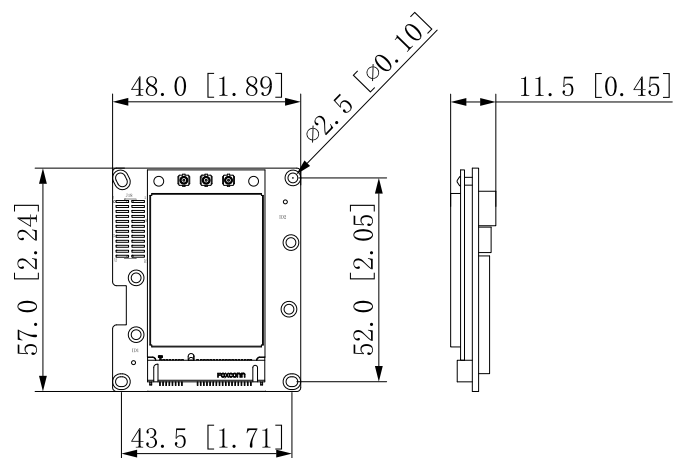
### Port

|              |                                                                                                                                                                                                                  |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network Mode | ARA58-F-EN: GSM: 900/1800MHz, WCDMA: B1/B5/B8, LTE-FDD: B1/B3/B5/B7/B8/B20, LTE-TDD: B38/B40/B41<br>ARA58-F-AUX: GSM: 850/900/1800/1900 MHz, WCDMA: B1/B2/B5/B8, LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B28, LTE-TDD: B40 |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### General

|                       |                                                 |
|-----------------------|-------------------------------------------------|
| Power Consumption     | 4 W                                             |
| Operating Temperature | -10 °C to +55 °C (+14 °F to +131 °F)            |
| Operating Humidity    | 10%–90% (RH)                                    |
| Storage Temperature   | -40 °C to +80 °C (-40 °F to +176 °F)            |
| Packaging Dimensions  | 238 mm × 109 mm × 45 mm (9.37" × 4.29" × 1.77") |
| Net Weight            | < 90 g (0.20 lb)                                |

## Dimensions (mm/inch)



# ARA58-G-EN, ARA58-G-IT



- Simple installation, connects directly to PCB's connector.
- Sends messages to alert you of events. You can remotely control the device through the message.
- Calls and leaves voice messages to inform you of alarms. You can remotely control the device through the voice menu.
- Sends messages with your phone bill regularly.
- English language version model: ARA58-G-EN.
- Italy language version model: ARA58-G-IT.

## Technical Specification

|                            |                                       |
|----------------------------|---------------------------------------|
| Network Mode               | GSM850; EGSM900; DCS1800; PCS1900 MHz |
| Environmental Class        | II                                    |
| Enclosure dimensions       | 71 × 51 × 24 mm                       |
| Operating Temperature      | -10 °C to +55 °C                      |
| Humidity                   | 10% – 90%                             |
| Device Weight              | <90 g                                 |
| Number of SMS notification | 8                                     |
| Number of Vocal message    | 8                                     |

# DHI-ARD811

Panic Button (86 box)



- Supports being mounted in a 86 mm × 86 mm junction box.
- Works in a wide range of environments with a voltage that is no more than 250 VDC and a current that is no more than 300 mA.
- Works without a power supply.
- A reset key is included to quickly reset the device if necessary.

## System Overview

The device triggers alarms with the press of a button.

## Scene

Ideal for locations where alarms need to be manually triggered in emergencies, such as bank counters, accessible toilets and rooms for the elderly.

## Technical Specification

### Port

|              |                                |
|--------------|--------------------------------|
| Alarm Output | 1, NC/NO, 250 VDC, Max. 300 mA |
|--------------|--------------------------------|

### General

|                       |                                                                    |
|-----------------------|--------------------------------------------------------------------|
| Operating Temperature | −10 °C to +55 °C (+14 °F to +131 °F)                               |
| Operating Humidity    | ≤95% (RH)                                                          |
| Product Dimensions    | 86.0 mm × 32.0 mm × 86.0 mm (3.39" × 1.26" × 3.39")<br>(L × W × H) |
| Net Weight            | 54 g (0.119 lb)                                                    |

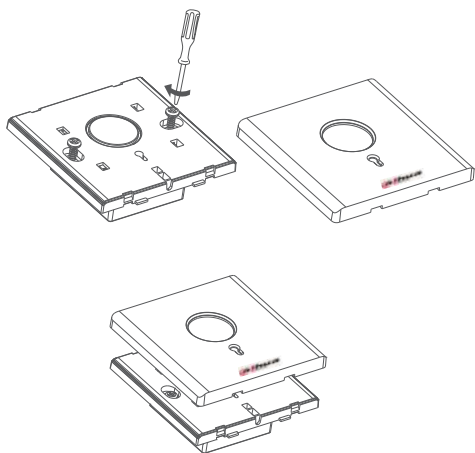
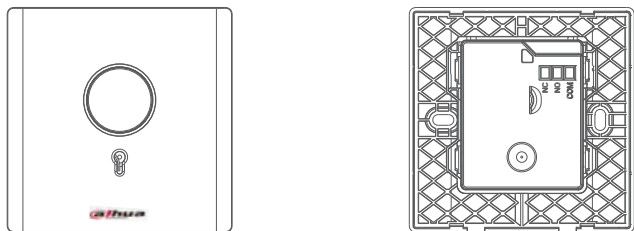
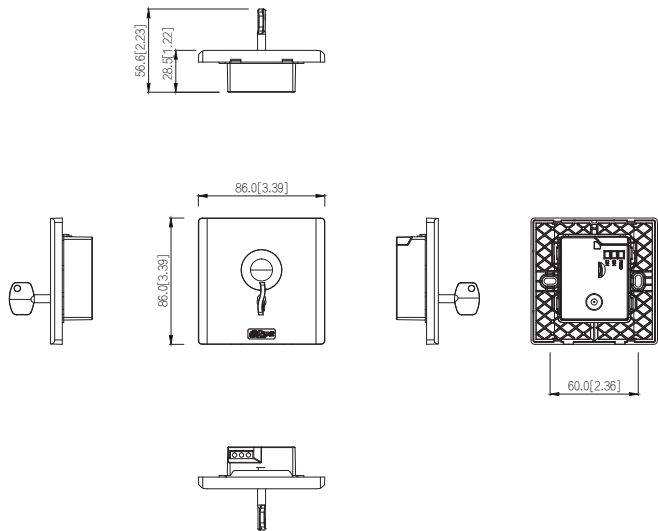
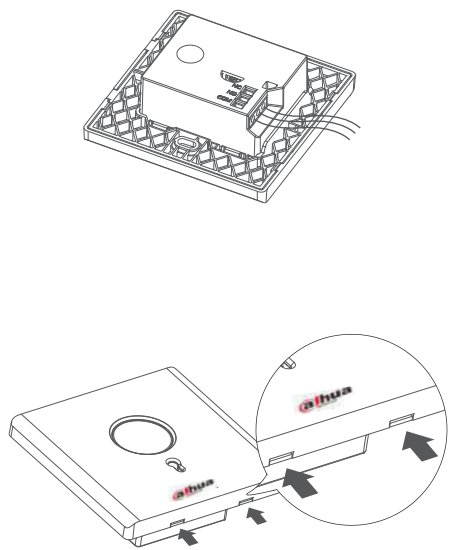
|                      |                                                                    |
|----------------------|--------------------------------------------------------------------|
| Gross Weight         | 56.5 g (0.124 lb)                                                  |
| Installation         | Junction box (86 mm × 86 mm)                                       |
| Casing Material      | ABS                                                                |
| Appearance Color     | White case and red button                                          |
| Certifications       | CE                                                                 |
| Anti-corrosion Level | Basic Protection                                                   |
| Storage Temperature  | −10 °C to +55 °C (+14 °F to +131 °F)                               |
| Storage Humidity     | ≤95% (RH)                                                          |
| Packaging Dimensions | 88.0 mm × 36.0 mm × 88.0 mm (3.46" × 1.42" × 3.46")<br>(L × W × H) |

## Ordering Information

| Type         | Model      | Description           |
|--------------|------------|-----------------------|
| Panic Button | DHI-ARD811 | Panic Button (86 box) |

Installation

Dimensions (mm[inch])



# DHI-ARD812

Panic Button



- Surface mount with screws.
- Works in a wide range of environments with a voltage that is no more than 250 VDC and a current that is no more than 300 mA.
- Works without a power supply.
- A reset key is included to quickly reset the device if necessary.

## System Overview

The device triggers alarms with the press of a button.

## Scene

Ideal for locations where alarms need to be manually triggered in emergencies, such as bank counters, accessible toilets and rooms for the elderly.

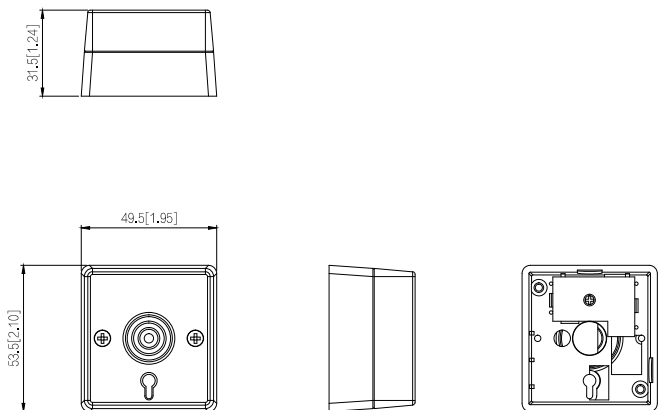
## Technical Specification

|                       |                                                                 |
|-----------------------|-----------------------------------------------------------------|
| Port                  |                                                                 |
| Alarm Output          | 1, NC/NO, 250 VDC, Max. 300 mA                                  |
| General               |                                                                 |
| Operating Temperature | −10 °C to +55 °C (+14 °F to +131 °F)                            |
| Operating Humidity    | ≤95% (RH)                                                       |
| Product Dimensions    | 49.5 mm × 32.5 mm × 53.5 mm (1.95" × 1.28" × 2.11") (L × W × H) |
| Net Weight            | 34 g (0.07 lb)                                                  |
| Gross Weight          | 41.5 g (0.09 lb)                                                |
| Installation          | Surface mount                                                   |
| Casing Material       | ABS                                                             |
| Appearance Color      | Cineros                                                         |
| Certifications        | CE                                                              |
| Anti-corrosion Level  | Basic Protection                                                |
| Storage Temperature   | −10 °C to +55 °C (+14 °F to +131 °F)                            |
| Storage Humidity      | ≤95% (RH)                                                       |
| Packaging Dimensions  | 56.0 mm × 35.0 mm × 56.0 mm (2.20" × 1.38" × 2.20") (L × W × H) |

## Ordering Information

| Type         | Model      | Description  |
|--------------|------------|--------------|
| Panic Button | DHI-ARD812 | Panic Button |

## Dimensions (mm[inch])



# DHI-ARK50C

## Alarm Keypad



### Technical Specification

#### Interface

|                 |                                                                       |
|-----------------|-----------------------------------------------------------------------|
| Screen          | Resolution: 128 × 64 LCD<br>Size: 56.27 mm × 38.35 mm (2.22" × 1.51") |
| Indicator Light | Zone status, fault, arming/disarming, network and communication       |
| Button          | 0-9, Menu, Up, Down, *, #, Fire, Medical, Arm, Bypass, and Enter      |
| RS-485          | 1                                                                     |
| Buzzer          | Built-in                                                              |

#### Function

|                                                    |                                                                                                                                                                   |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Remote Update                                      | Yes                                                                                                                                                               |
| Arm and Disarm                                     | Local                                                                                                                                                             |
| Power Failure Protection for Configured Parameters | Yes                                                                                                                                                               |
| Tamper                                             | Housing tamper                                                                                                                                                    |
| Search                                             | Zone status, system faults, program version, and communication parameters                                                                                         |
| Function                                           | Supports functions such as controller programming, arming/disarming, alarm cancelling, bypassing/unbypassing, relay operations, zone status search, and walk test |
| Language                                           | English                                                                                                                                                           |

#### Wireless

|                        |                  |
|------------------------|------------------|
| Carrier Frequency      | 433.1 MHz        |
| Transmit Power         | Limit 10 mW      |
| Communication Distance | 80 m (262.47 ft) |
| Encryption Mode        | AES128           |

#### General

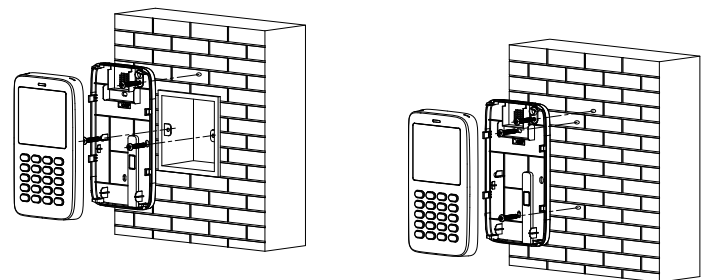
|        |          |
|--------|----------|
| Casing | PC + ABS |
|--------|----------|

- 5 intuitive indicators, including zone status, fault, arming/disarming, network, and communication indicators to quickly identify the status of the system.
- Powerful search engine to find information on the zone status, system faults, program version, and communication parameters.
- Arm and disarm locally for added convenience.
- Multiple search functions such as controller programming, arming/disarming, alarm cancelling, bypassing/unbypassing, relay operations, zone status search, and walk test.

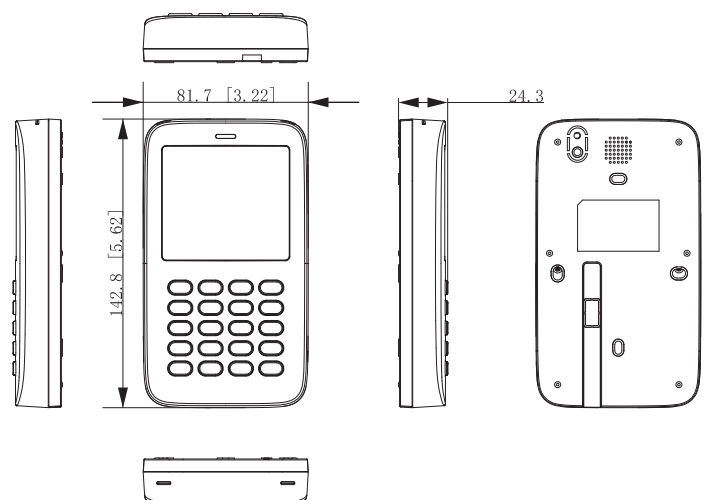
### Ordering Information

| Type         | Model      | Description  |
|--------------|------------|--------------|
| Alarm Keypad | DHI-ARK50C | Alarm keypad |

### Installation



### Dimensions (mm [inch])





# DHI-ARK50C-R

## Alarm Keypad



### Technical Specification

#### Interface

|                 |                                                                       |
|-----------------|-----------------------------------------------------------------------|
| Screen          | Resolution: 128 × 64 LCD<br>Size: 56.27 mm × 38.35 mm (2.22" × 1.51") |
| Indicator Light | Zone status, fault, arming/disarming, network and communication       |
| Button          | 0-9, Menu, Up, Down, *, #, Fire, Medical, Arm, Bypass, and Enter      |
| RS-485          | 1                                                                     |
| Buzzer          | Built-in                                                              |

#### Function

|                                                    |                                                                                                                                                                   |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Remote Update                                      | Yes                                                                                                                                                               |
| Arm and Disarm                                     | Local; IC card (up to 32)                                                                                                                                         |
| Power Failure Protection for Configured Parameters | Yes                                                                                                                                                               |
| Tamper                                             | Housing tamper                                                                                                                                                    |
| Search                                             | Zone status, system faults, program version, and communication parameters                                                                                         |
| Function                                           | Supports functions such as controller programming, arming/disarming, alarm cancelling, bypassing/unbypassing, relay operations, zone status search, and walk test |
| Language                                           | English                                                                                                                                                           |

#### Wireless

|                        |                  |
|------------------------|------------------|
| RFIC Frequency         | 13.56MHz         |
| Carrier Frequency      | 433.1 MHz        |
| Transmit Power         | Limit 10 mW      |
| Communication Distance | 80 m (262.47 ft) |
| Encryption Mode        | AES128           |

#### General

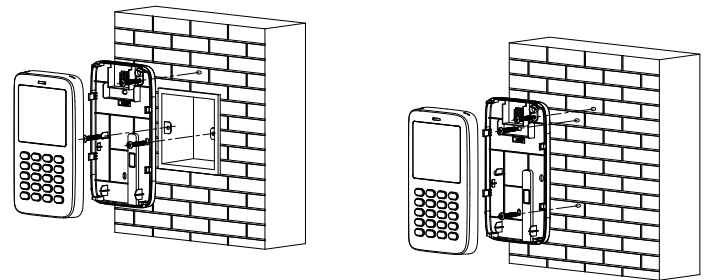
|        |          |
|--------|----------|
| Casing | PC + ABS |
|--------|----------|

- 5 intuitive indicators, including zone status, fault, arming/disarming, network, and communication indicators to quickly identify the status of the system.
- Powerful search engine to find information on the zone status, system faults, program version, and communication parameters.
- Arm and disarm with the, IC card or locally for added convenience.
- Multiple search functions such as controller programming, arming/disarming, alarm cancelling, bypassing/unbypassing, relay operations, zone status search, and walk test.

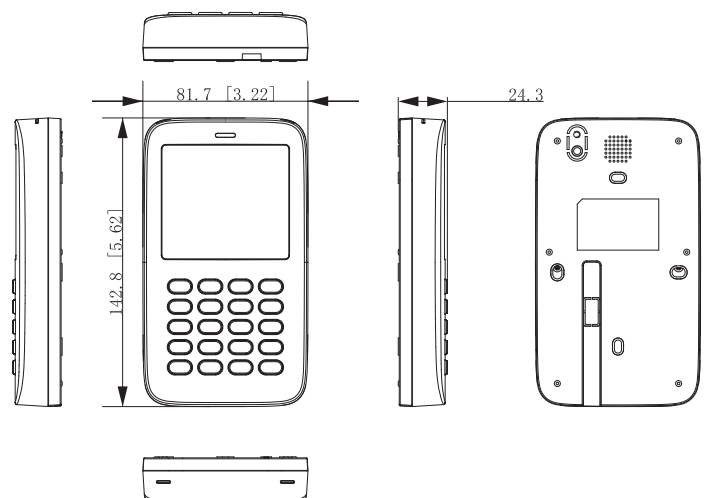
### Ordering Information

| Type         | Model        | Description                 |
|--------------|--------------|-----------------------------|
| Alarm Keypad | DHI-ARK50C-R | Alarm keypad, supports card |

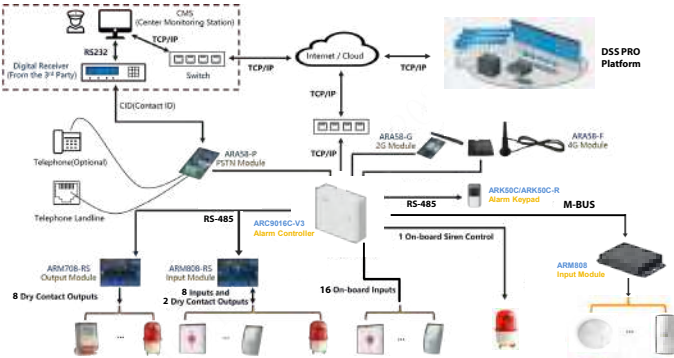
### Installation



### Dimensions (mm [inch])



### Dimensions (mm [inch])



# DHI-ARM2C0-P-W(868)

## Alarm Expansion Module



### Series Overview

Alarm Expansion Module is mainly used to connect wireless devices to a wired control panel, it communicates with wireless devices via 868 MHz RF signal, and communicates with wired control panel via wired network signal, which makes the installation and deployment of the security system more convenient and lower cost, especially suitable for some projects that have been completed but need to increase zones later.

### Scene

Ideal for use in shops, villas, office buildings and more.

### Technical Specification

#### Port

|                     |                                                                                                                                                                                      |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alarm Input         | 2-channel dry contact input onboard<br>Multiple types of zone loops: NO/NC, 1EOL, 2EOL, 3EOL<br>3 EOLR values: 2.7 K, 4.7 K and 6.8 K                                                |
| Alarm Output        | 2-channel relay output onboard (≤30 VDC, 1 A, resistive load only)                                                                                                                   |
| Wireless Peripheral | A single module supports up to 16 wireless peripherals, including sirens (no more than 6), detectors (door detectors, IR, panic buttons, single-channel input modules), and keyfobs. |
| Network Port        | 10 Mbps/100 Mbps self-adaptive Ethernet port, standard PoE                                                                                                                           |

#### Function

|                  |                                                                                                       |
|------------------|-------------------------------------------------------------------------------------------------------|
| Indicator Light  | 3x<br>Power supply indicator: Red<br>Wireless connection indicator: Green<br>Pairing indicator: Green |
| Button           | 2x, a pairing button and a button to restore the device to its factory settings                       |
| Offline Cache    | Max. 1024 buffer data                                                                                 |
| Remote Update    | Yes                                                                                                   |
| Network Protocol | TCP/IP                                                                                                |

- 12 VDC and standard PoE power supply.
- 2-channel alarm input onboard, and 2-channel relay output onboard.
- Multiple types of zone loops such as NO/NC, 1EOL, 2EOL, and 3EOL.
- Supports 3 EOLR values (2.7 K, 4.7 K, and 6.8 K).
- Converts the wireless data from wireless peripherals into TCP/IP network working data sent to the wired control panel.
- Supports up to 1024 event buffers when the connection with the control panel is lost.
- Remote update.

|                                                    |                                                                           |
|----------------------------------------------------|---------------------------------------------------------------------------|
| Tamper                                             | Case tamper detection                                                     |
| Signal Strength                                    | Detects the wireless signal strength through the alarm controller webpage |
| Power Failure Protection for Configured Parameters | Yes                                                                       |

#### Technical

|                   |         |
|-------------------|---------|
| Scenario          | Indoors |
| Operating Current | 130 mA  |
| Alarm Current     | 160 mA  |

#### Wireless

|                         |                                           |
|-------------------------|-------------------------------------------|
| Carrier Frequency       | 868.0 MHz–868.6 MHz                       |
| Communication Mechanism | Two-way communication                     |
| Communication Distance  | Up to 2 km (6,561.68 ft) in an open space |
| Encryption Mode         | AES128                                    |
| Frequency Hopping       | Yes                                       |

#### General

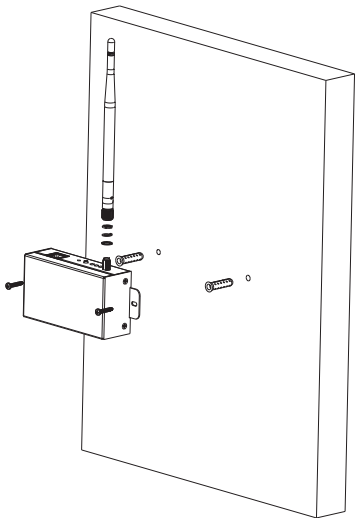
|                       |                                                      |
|-----------------------|------------------------------------------------------|
| Power Supply          | 12 VDC/PoE (802.3af)                                 |
| Operating Temperature | −10 °C to +55 °C (+14 °F to +131 °F)                 |
| Operating Humidity    | 10%–90% (RH)                                         |
| Product Dimensions    | 126.0 mm × 57.0 mm × 33.2 mm (4.96" × 2.24" × 1.31") |
| Net Weight            | 230 g (0.51 lb)                                      |
| Gross Weight          | 380 g (0.84 lb)                                      |
| Installation          | Wall mount                                           |
| Casing Material       | Electro-galvanized sheet                             |
| Certifications        | CE                                                   |
| Anti-corrosion Level  | Basic Protection                                     |

DHI-ARM2C0-P-W(868)

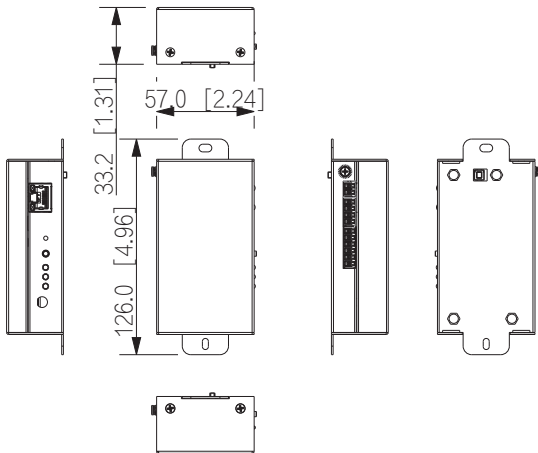
|                      |                                                       |
|----------------------|-------------------------------------------------------|
| Storage Temperature  | −10 °C to +55 °C (+14 °F to +131 °F)                  |
| Storage Humidity     | 10%–90% (RH)                                          |
| Packaging Dimensions | 187.0 mm × 164.0 mm × 58.0 mm (7.36" × 6.46" × 2.28") |

| Ordering Information   |                     |                        |
|------------------------|---------------------|------------------------|
| Type                   | Part Number         | Description            |
| Alarm Expansion Module | DHI-ARM2C0-P-W(868) | Alarm Expansion Module |

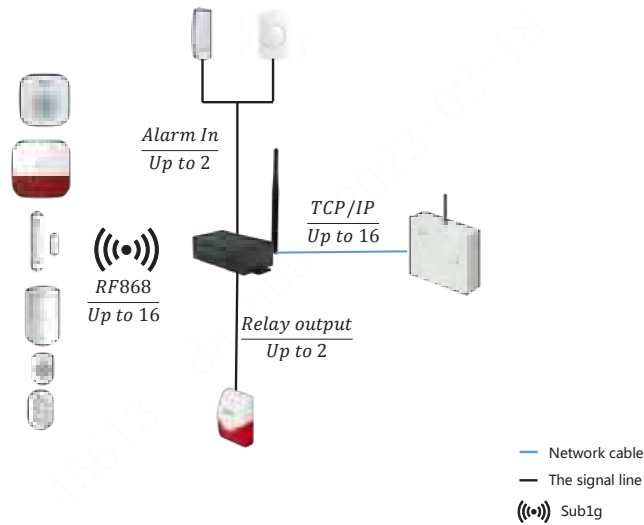
Installation



Dimensions (mm[inch])



Application



# DHI-ARM2C0-P-W

## Alarm Expansion Module



### Series Overview

Alarm Expansion Module is mainly used to connect wireless devices to a wired control panel, it communicates with wireless devices via 433 MHz RF signal, and communicates with wired control panel via wired network signal, which makes the installation and deployment of the security system more convenient and lower cost, especially suitable for some projects that have been completed but need to increase zones later.

### Scene

Ideal for use in shops, villas, office buildings and more.

### Technical Specification

#### Port

|                     |                                                                                                                                                                                      |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alarm Input         | 2-channel dry contact input onboard<br>Multiple types of zone loops: NO/NC, 1EOL, 2EOL, 3EOL<br>3 EOLR values: 2.7 K, 4.7 K and 6.8 K                                                |
| Alarm Output        | 2-channel relay output onboard ( $\leq 30$ VDC, 1 A, resistive load only)                                                                                                            |
| Wireless Peripheral | A single module supports up to 16 wireless peripherals, including sirens (no more than 6), detectors (door detectors, IR, panic buttons, single-channel input modules), and keyfobs. |
| Network Port        | 10 Mbps/100 Mbps self-adaptive Ethernet port, standard PoE                                                                                                                           |

#### Function

|                  |                                                                                                       |
|------------------|-------------------------------------------------------------------------------------------------------|
| Indicator Light  | 3×<br>Power supply indicator: Red<br>Wireless connection indicator: Green<br>Pairing indicator: Green |
| Button           | 2×, a pairing button and a button to restore the device to its factory settings                       |
| Offline Cache    | Max. 1024 buffer data                                                                                 |
| Remote Update    | Yes                                                                                                   |
| Network Protocol | TCP/IP                                                                                                |

- 12 VDC and standard PoE power supply.
- 2-channel alarm input onboard, and 2-channel relay output onboard.
- Multiple types of zone loops such as NO/NC, 1EOL, 2EOL, and 3EOL.
- Supports 3 EOLR values (2.7 K, 4.7 K, and 6.8 K).
- Converts the wireless data from wireless peripherals into TCP/IP network working data sent to the wired control panel.
- Supports up to 1024 event buffers when the connection with the control panel is lost.
- Remote update.

|                                                    |                                                                           |
|----------------------------------------------------|---------------------------------------------------------------------------|
| Tamper                                             | Case tamper detection                                                     |
| Signal Strength                                    | Detects the wireless signal strength through the alarm controller webpage |
| Power Failure Protection for Configured Parameters | Yes                                                                       |

#### Technical

|                   |         |
|-------------------|---------|
| Scenario          | Indoors |
| Operating Current | 130 mA  |
| Alarm Current     | 160 mA  |

#### Wireless

|                         |                                           |
|-------------------------|-------------------------------------------|
| Carrier Frequency       | 433.1 MHz–434.6 MHz                       |
| Communication Mechanism | Two-way communication                     |
| Communication Distance  | Up to 2 km (6,561.68 ft) in an open space |
| Encryption Mode         | AES128                                    |
| Frequency Hopping       | Yes                                       |

#### General

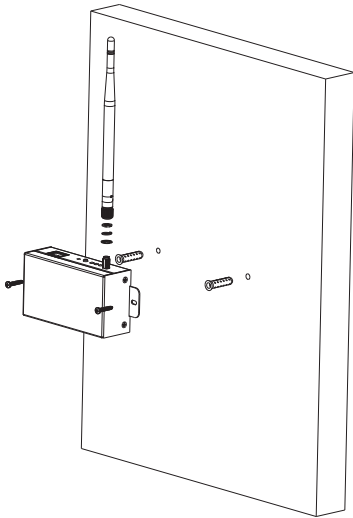
|                       |                                                      |
|-----------------------|------------------------------------------------------|
| Power Supply          | 12 VDC/PoE (802.3af)                                 |
| Operating Temperature | −10 °C to +55 °C (+14 °F to +131 °F)                 |
| Operating Humidity    | 10%–90% (RH)                                         |
| Product Dimensions    | 126.0 mm × 57.0 mm × 33.2 mm (4.96" × 2.24" × 1.31") |
| Net Weight            | 230 g (0.51 lb)                                      |
| Gross Weight          | 390 g (0.84 lb)                                      |
| Installation          | Wall mount                                           |
| Casing Material       | Electro-galvanized sheet                             |
| Certifications        | CE                                                   |

DHI-ARM2C0-P-W

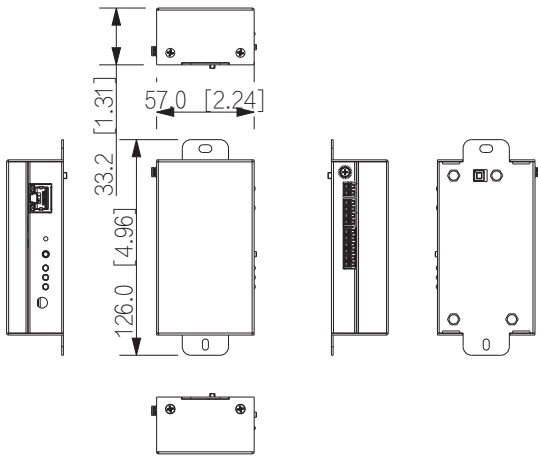
|                      |                                                       |
|----------------------|-------------------------------------------------------|
| Anti-corrosion Level | Basic Protection                                      |
| Storage Temperature  | -10 °C to +55 °C (+14 °F to +131 °F)                  |
| Storage Humidity     | 10%–90% (RH)                                          |
| Packaging Dimensions | 187.0 mm × 164.0 mm × 58.0 mm (7.36" × 6.46" × 2.28") |

| Ordering Information   |                |                        |
|------------------------|----------------|------------------------|
| Type                   | Part Number    | Description            |
| Alarm Expansion Module | DHI-ARM2C0-P-W | Alarm Expansion Module |

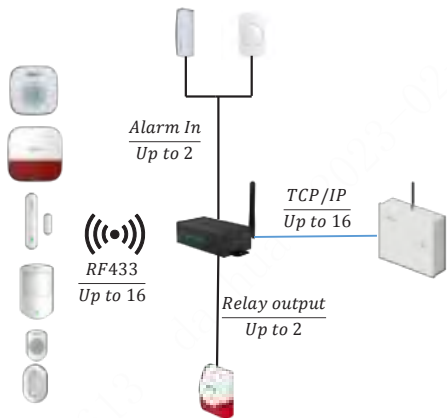
Installation



Dimensions (mm[inch])



Application



- Network cable
- The signal line
- ((( ))) Sub1g

# DHI-ARM708-RS

## Output Expansion Module



- 8-channel alarm outputs
- Address setting with DIP switch
- Alarm output switch between NO (Normally Open) and NC (Normally Closed) with jumper
- Remote update by client software

### System Overview

DHI-ARM708-RS is an output expansion module which needs to be used together with ARC3008C, ARC9016C, ARC2008C and ARC2016C.

### Technical Specification

#### Port

|              |                                                                       |
|--------------|-----------------------------------------------------------------------|
| Alarm Output | 8                                                                     |
| RS-485       | 1, connected to a maximum of 300 m (984.25 ft) cable typed RVV2 × 1.5 |

#### Function

|                   |                                                  |
|-------------------|--------------------------------------------------|
| Device Address    | 0–15 (ARC9 series, ARC2 series)<br>1–8 (ARC3008) |
| Alarm Output Mode | Switch between NO and NC with jumper             |
| Output Capacity   | 30 VDC/500 mA                                    |
| Update            | Remote update by client software                 |

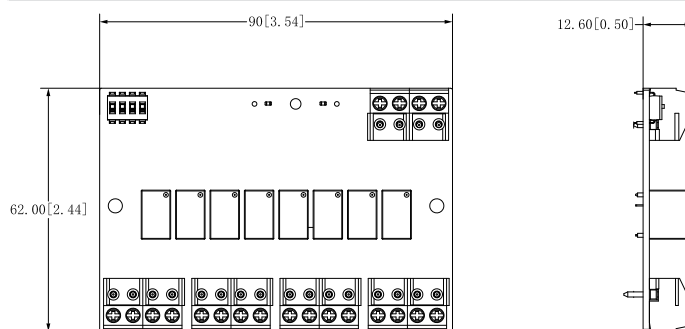
#### General

|                       |                                                                   |
|-----------------------|-------------------------------------------------------------------|
| Power Supply          | 12 VDC                                                            |
| Power Consumption     | 1.8 W                                                             |
| Operating Temperature | –10 °C to +55 °C (+ 14 °F to + 131 °F)                            |
| Operating Humidity    | 10%–90% (RH)                                                      |
| Product Dimensions    | 90.0 mm × 62.0 mm × 12.6 mm (3.54" × 2.44" × 0.5")<br>(L × W × H) |
| Net Weight            | ≤ 1 kg (2.20 lb)                                                  |

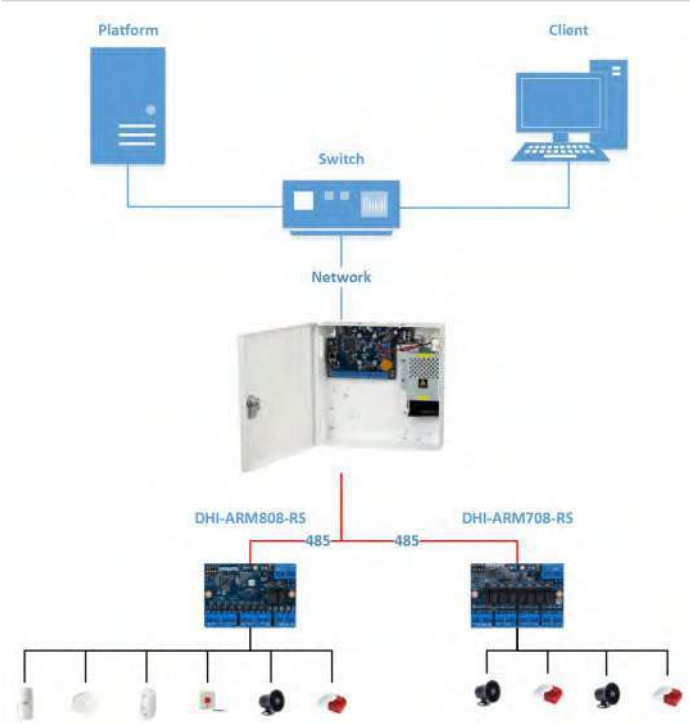
### Ordering Information

| Type            | Model         | Description                                     |
|-----------------|---------------|-------------------------------------------------|
| Alarm Accessory | DHI-ARM708-RS | Output expansion module 8-channel alarm outputs |

### Dimensions (mm[inch])



Application



# ARM801

## M-Bus 1-Zone Expansion Module



- 1 zone expansion
- M-Bus protocol.
- Applied in ARC9016C-V3.

### Technical Specification

|                          |                                                       |
|--------------------------|-------------------------------------------------------|
| Name                     | 1 Zone expansion module                               |
| Zone Expansion           | 1 zone                                                |
| Communication Protocol   | M-Bus                                                 |
| Baud Rate                | 9600 bps                                              |
| Address                  | Addressable code                                      |
| Dimensions ( W × D × H ) | 60.0 mm × 25.0 mm × 13.0 mm ( 2.36" × 0.98" × 0.51" ) |
| Operating Temperature    | -10 °C to +55 °C ( +14 °F to + 131 °F)                |

### Ordering Information

| Type            | Model  | Description                   |
|-----------------|--------|-------------------------------|
| Alarm Accessory | ARM801 | M-Bus 1-Zone Expansion Module |

# ARM802

## M-Bus 2-Zone Expansion Module



- 2 zone expansion
- M-Bus protocol
- Applied in ARC9016C-V3

### Technical Specification

|                        |                                        |
|------------------------|----------------------------------------|
| Name                   | M-Bus 2-Zone expansion module          |
| Zone Expansion         | 2 zones                                |
| Communication Protocol | M-Bus                                  |
| Baud Rate              | 9600 bps                               |
| Address                | Addressable code                       |
| Operating Temperature  | -10 °C to +55 °C ( +14 °F to + 131 °F) |

### Ordering Information

| Type            | Model  | Description                   |
|-----------------|--------|-------------------------------|
| Alarm Accessory | ARM802 | M-Bus 2-Zone Expansion Module |

# DHI-ARM808

## M-Bus 8-Zone Expansion Module



- 8-zone expansion
- 1-channel alarm outputs
- M-Bus protocol
- Applied in ARC9016C-V3

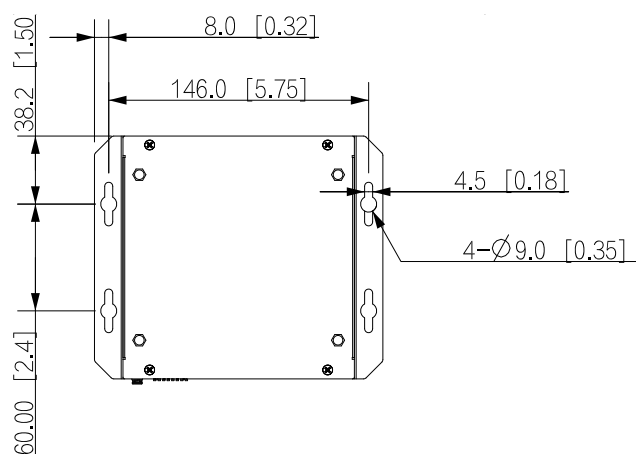
### Technical Specification

|                        |                                                                  |
|------------------------|------------------------------------------------------------------|
| Name                   | 8-zone expansion module                                          |
| Zone Expansion         | 8                                                                |
| Communication Protocol | M-Bus                                                            |
| Baud Rate              | 9600 bps                                                         |
| Power Supply           | 12 VDC, 2 W                                                      |
| Dimensions             | 136 mm × 132 mm × 30 mm (5.35" × 5.20" × 1.18")<br>( W × D × H ) |
| Weight                 | 0.6 kg ( 1.32 lb )                                               |
| Installation           | Wall mount                                                       |

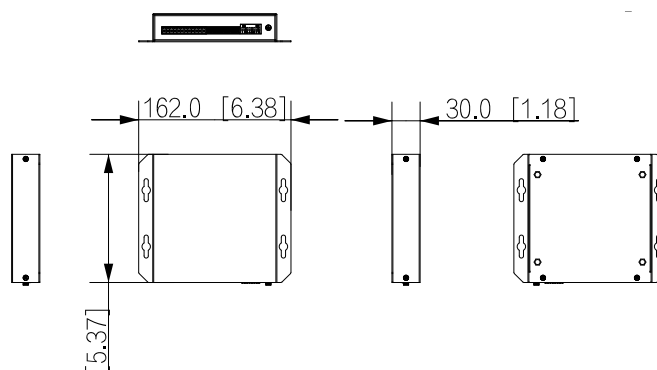
### Ordering Information

| Type            | Model      | Description                                                            |
|-----------------|------------|------------------------------------------------------------------------|
| Alarm Accessory | DHI-ARM808 | 8-zone expansion and 1-channel alarm outputs<br>Applied in ARC9016C-V3 |

### Installation



### Dimensions (mm[inch])



# DHI-ARM808-RS

## Input Expansion Module



- 8-channel alarm inputs.
- 2-channel alarm outputs.
- Address setting with DIP switch.
- EOLR configuration (2K7, 4K7, and 6K8).
- Alarm output switch between NO (Normally Open) and NC (Normally Closed) with jumper.
- Remote update by client software.

### System Overview

DHI-ARM808-RS is an input expansion module which needs to be used together with ARC3008C, ARC9016C, ARC2008C and ARC2016C

### Technical Specification

#### Port

|              |                                                                       |
|--------------|-----------------------------------------------------------------------|
| Alarm Output | 2                                                                     |
| Alarm Input  | 8                                                                     |
| RS-485       | 1, connected to a maximum of 300 m ( 984.25 ft ) cable typed RVV2*1.5 |

#### Function

|                   |                                                                   |
|-------------------|-------------------------------------------------------------------|
| Device Address    | 0–15( ARC9 series, ARC2 series )<br>1–8( ARC3008 )                |
| Zone Terminations | NC, NO, 1EOL, 2EOL, 3EOL, INERTIAL(ARC3008), and IMPULSE(ARC3008) |
| EOLR              | 2K7, 4K7, and 6K8                                                 |
| Alarm Output Mode | Switch between NO and NC with jumper                              |
| Output Capacity   | 30 VDC/500 mA                                                     |
| Update            | Remote update by client software                                  |

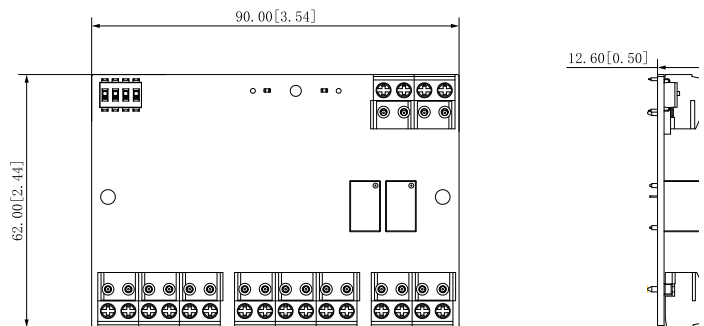
#### General

|                       |                                                                    |
|-----------------------|--------------------------------------------------------------------|
| Power Supply          | 12 VDC                                                             |
| Power Consumption     | 1.2 W                                                              |
| Operating Temperature | –10°C to +55°C ( + 14°F to + 131°F )                               |
| Operating Humidity    | 10%–90% ( RH )                                                     |
| Product Dimensions    | 90.0 mm × 62.0 mm × 12.6 mm ( 3.54" × 2.44" × 0.5" ) ( L × W × H ) |
| Net Weight            | ≤1 kg ( 2.20 lb )                                                  |

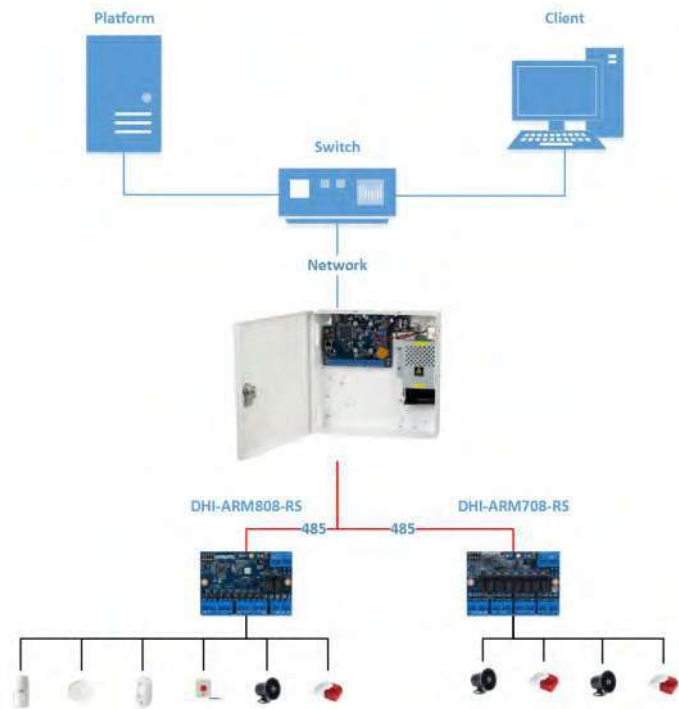
### Ordering Information

| Type            | Model         | Description                                                                  |
|-----------------|---------------|------------------------------------------------------------------------------|
| Alarm Accessory | DHI-ARM808-RS | Input expansion module<br>8-channel alarm inputs and 2-channel alarm outputs |

### Dimensions (mm[inch])



## Application



# DHI-ARM911

## M-Bus 1 Input & 1 Relay Output Expansion Module



- 1 input and 1 relay output.
- M-Bus protocol.
- Applied in ARC9016C-V3.

### Technical Specification

|                        |                                                                      |
|------------------------|----------------------------------------------------------------------|
| Name                   | 1 input & 1 relay output expansion module                            |
| Zone Expansion         | 1 input                                                              |
| Relay Output           | 1                                                                    |
| Communication Protocol | M-Bus                                                                |
| Communication Distance | Connected to a maximum of 2.4 km (7874.15 ft) cable typed RVV2 × 1.5 |
| Baud Rate              | 9600 bps                                                             |
| Address                | Addressable code                                                     |
| Dimensions (W × D × H) | 60.0 mm × 25.0 mm × 13.0 mm (2.36" × 0.98" × 0.51")                  |
| Operating Temperature  | -10 °C to +55 °C (+ 14 °F to + 131 °F)                               |

### Ordering Information

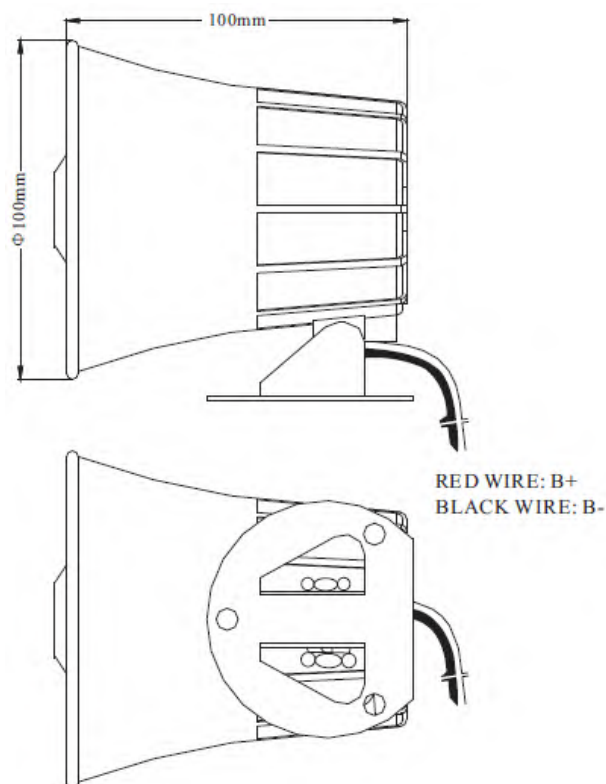
| Type            | Model      | Description                                                           |
|-----------------|------------|-----------------------------------------------------------------------|
| Alarm Accessory | DHI-ARM911 | 1 input and 1 relay output expansion module<br>Applied in ARC9016C-V3 |

# DH-ARA16

Outdoor Siren



## Outline Drawing



### Technical Specification

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| Rated Voltage                        | DC 12V                              |
| Operating Voltage Range              | DC 6-13V                            |
| Rated Current at 12VDC               | $\leq 400\text{mA}$                 |
| Output Sound Pressure Level at 12VDC | $\geq 105\text{dB/m}$               |
| Material                             | ABS Plastic, Black                  |
| Bracket                              | Iron, 1.5mm Thickness, Black Colour |

# DH-ARA31A

Detector Bracket



## Features

- Multi-angle adjustable (120°)
- ABS material

# DHI-ARK30C

LCD Keypad FOR ARC3008 - Fortress Series



## Features

- The LCD keypad are intended for daily operation of the ARC3008 via RS485
- Beautiful new design
- 32-character blue LCD screen
- Keypad and display backlight
- 4 status LEDs for power, battery, fault and bypass status
- 8 Area LEDs for the status of Area 1 to 8
- Real-time zone alarm display
- Menu-driven programming for easy use and setting
- Different menu for installer and users
- Support English and Italy languages simultaneously
- Buzzer for acoustic signaling
- Keypad shortcuts hold-down PANIC, ROBBERY, MEDICAL and FIRE alarms

## Technical Specification

|                          |                                             |
|--------------------------|---------------------------------------------|
| Environmental Class      | II                                          |
| Supply Voltage           | 12V DC                                      |
| Enclosure dimensions     | 180 × 84 × 27 mm                            |
| Operating Temperature    | -10°C ~ +55°C                               |
| Humidity                 | 10% ~ 90%                                   |
| Device Weight            | <280g                                       |
| Max. Current Consumption | 70mA                                        |
| Tamper Function          | Case tamper and leave-wall tamper supported |
| Installation             | Wall mounting                               |

## Dimensions

