

# DHI-ARD334-W2(915S)

## Wireless Door Detector 2 Plus



### Series 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.

- 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.

### Technical Specification

#### Port

|             |                                                |
|-------------|------------------------------------------------|
| 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) | -15 °C to +65 °C (+5 °F to +149 °F) (indoor) |

#### 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          |
| Shock Detection   | High,Normal,Low |
| Tilt Detection    | Up to 25°       |

### Wireless

|                          |                                             |
|--------------------------|---------------------------------------------|
| Carrier Frequency        | 915.0 MHz–928.0 MHz                         |
| Transmitter Power (EIRP) | Limit 1 W                                   |
| Communication Mechanism  | Two-way                                     |
| Communication Distance   | Up to 1,600 m (5249.34 ft) in an open space |
| Encryption Mode          | AES128                                      |
| Frequency Hopping        | Yes                                         |

### General

|                           |                                                                                                                                                                                                                                                |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Supply              | CR123A × 1                                                                                                                                                                                                                                     |
| Power Supply Type         | Type C                                                                                                                                                                                                                                         |
| 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)                                                                                            |
| Low Battery Threshold     | 2.2 V                                                                                                                                                                                                                                          |
| Battery Restore Threshold | 2.6 V                                                                                                                                                                                                                                          |
| Power Consumption         | 0.276 W (Max), 0.114 mW (Standby)                                                                                                                                                                                                              |
| Operating Temperature     | -10 °C to +55 °C (+14 °F to +131 °F)                                                                                                                                                                                                           |
| Operating Humidity        | 10%–90% (RH)                                                                                                                                                                                                                                   |
| Product Dimensions        | Door Detector:101.0 mm × 21.0 mm × 22.2 mm (3.98" × 0.83" × 0.87") (L × W × H);<br>Small Magnet:37.0 mm × 13.4 mm × 15.0 mm (1.46" × 0.53" × 0.59") (L × W × H);<br>Mini Magnet:50.0 mm × 11.0 mm × 6.1 mm (1.97" × 0.43" × 0.24") (L × W × H) |
| Net Weight                | 54.9 g (0.12 lb)                                                                                                                                                                                                                               |
| Gross Weight              | 97.6 g (0.22 lb)                                                                                                                                                                                                                               |
| Installation              | Wall mount                                                                                                                                                                                                                                     |
| Casing Material           | PC + ABS                                                                                                                                                                                                                                       |
| Certifications            | CE                                                                                                                                                                                                                                             |
| Anti-corrosion Level      | Basic Protection<br>*The products are designed for general use and are applicable even in areas with no specific requirements for anti-corrosion protection.                                                                                   |

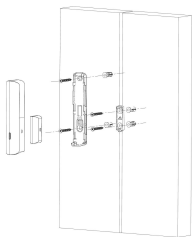
# Wireless Door Detector Plus | DHI-ARD334-W2(915S)

|                      |                                                                     |
|----------------------|---------------------------------------------------------------------|
| Storage Temperature  | -10 °C to +55 °C (+14 °F to +131 °F)                                |
| Storage Humidity     | 10%~90% (RH)                                                        |
| Packaging Dimensions | 110.0 mm × 75.0 mm × 33.0 mm (3.61" × 2.46" × 1.08")<br>(L × W × H) |

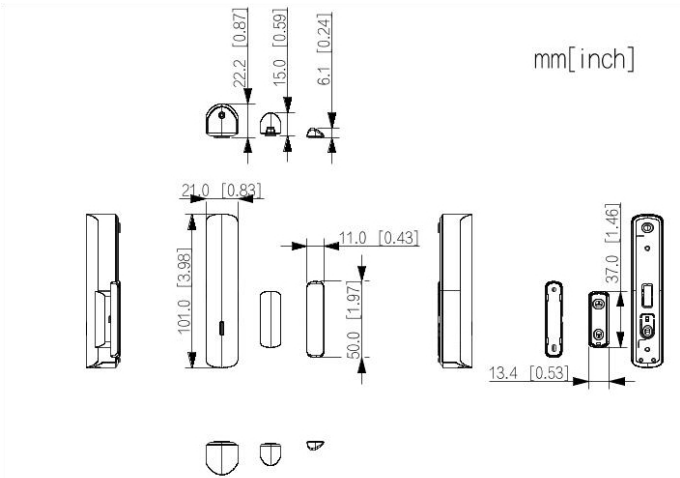
## Ordering Information

| Type                          | Model               | Description                   |
|-------------------------------|---------------------|-------------------------------|
| Wireless Door Detector 2 Plus | DHI-ARD334-W2(915S) | Wireless Door Detector 2 Plus |

## Installation



## Dimensions (mm[inch])



## Application

