

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") |
| Shock Detection | High, normal, low |
| Tilt Detection | Up to 25° |
| 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 |

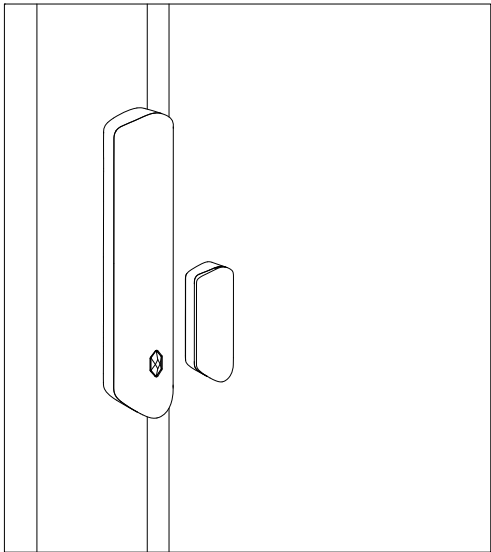
General

| | |
|-----------------------|--|
| Power Supply | CR123A × 1 |
| Battery Life | If triggered twice a day with a battery efficiency of 70%: 3 years (The external input type is NO) 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 |

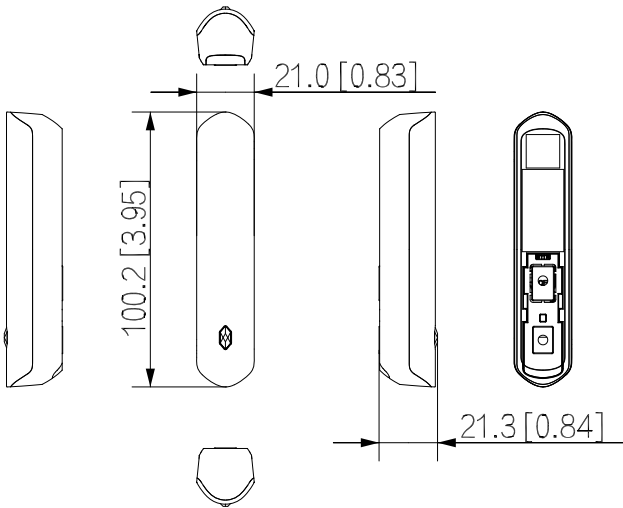
Wireless Door Detector Plus | DHI-ARD324-W2(868S)

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

Installation



Dimensions (mm[inch])



Application

