

Door/Window Contact

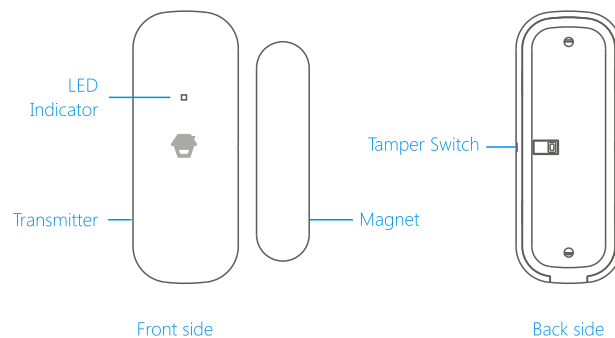
DS2300

User Manual

Introduction

The contact contains a transmitter and a magnet, which can be mounted on a door, window, or any object that can be opened or closed. When the transmitter and magnet are separated, the contact will send a signal to the control panel and the control panel will trigger an alarm. The tamper switch ensures that sabotage attempts to disassemble the contact will trigger an alarm.

Overview

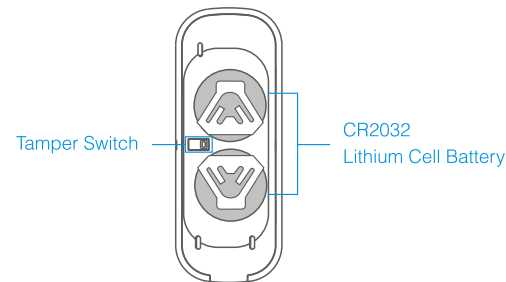


LED Indication

Flash once: Intruder is detected.

Flash once per 3 seconds after triggered: Low battery. Replace the battery as soon as possible.

PCB Layout



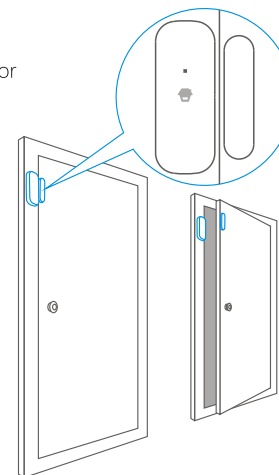
Note: When tamper switch is pressed, system will alarm immediately.

Installation

After confirming that the door/window contact works properly, the installation steps can be proceed as follow.

Secure the transmitter and magnet on the desired locations (like door or window which can open and close) with double-sided tapes.

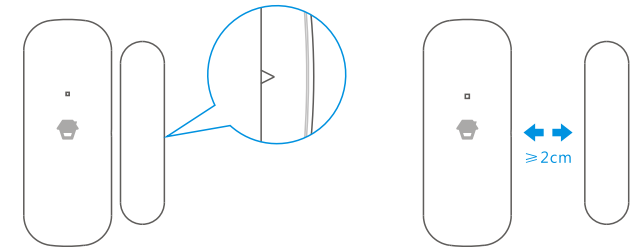
Note: If this product is installed on metal door, place spacers under the transmitter and magnet. This product is not suitable for shutter door, please purchase shutter door sensor for your use.



Connect the Door/Window Contact

Connect the door/window contact is to build a wireless connection between the door/window contact and the control panel.

1. Make sure the triangle mark is close to each other and within the range of 1cm.
2. Control panel enters connecting state (For details, please refer to the relative user manual).
3. Separate the transmitter and magnet with the space more than 2 cm, the control panel beeps once, indicating successful connection.



Note: If the control panel beeps twice when the above operation is done, it means the contact has been connected before.

Specifications

Power Supply DC 3V (CR2032 lithium button cell battery × 2)

Standby Current ≤ 1uA

Alarm Current ≤ 10.5mA

Transmitting Distance ≤ 80m (Open area/ no interference)

Radio Frequency 868MHz

Housing Material ABS plastic

Operation Condition Temperature -10°C~+55°C

Relative Humidity ≤ 80% (non-condensing)

Transmitter Dimensions 72.5 × 28 × 10 mm

Magnet Dimensions 58 × 14 × 9.5 mm

Federal Communications Commission (FCC) Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generate, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

RF exposure warning

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

The equipment must not be co-located or operating in conjunction with any other antenna or transmitter.