

HST-Door Contact

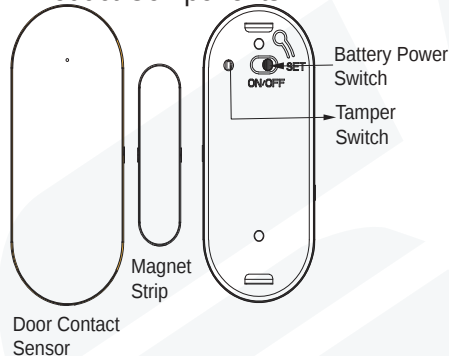
User Manual



I. Product Overview

This wireless door/window sensor utilizes Hallswitch sensing technology to detect the open/close status of doors and windows in real-time and transmit alarm signals via wireless communication. Operating with ASK modulation at a center frequency of 433.92MHz, the device features strong anti-interference capabilities, stable transmission, and ultra-low power consumption. It is suitable for security protection in residential, commercial, and warehouse scenarios.

II. Product Components



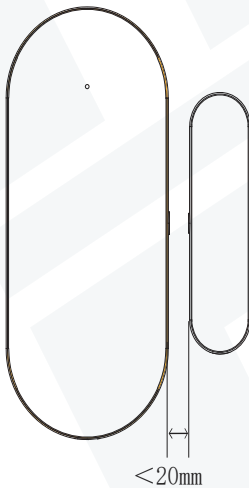
III. Technical Specifications

Parameter	Specification
Power Supply	DC3V CR2450 Coin Cell Battery
Detection Range	≤50mm (distance between magnet and main unit)
Modulation	ASK
Central Frequency	433.92MHz
Transmission Range	≥100m (open area)
Operating Temperature	-10°C to 55°C
Ingress Protection	IP54 (dustproof and splash-proof)

IV. Installation Guide

1. Installation position selection

The main part is installed on the fixed frame of the door or window, and the magnet part is installed on the edge of the movable door or window. Make sure the magnet is aligned with the main body with a distance of ≤20mm (as shown in the figure). Avoid installing on metal surfaces or near strong magnetic fields to avoid interfering with the signal.



2. Device power supply

- 1) Use a screwdriver to gently pry the main body shell, load the CR2450 battery (pay attention to the direction of positive and negative poles).
- 2) Close the case tightly, the battery power supply switch is toggled to ON, the indicator light flashes once, indicating that the device starts.

3. Pairing operation

- 1) Operate the alarm host to enter the sensor pairing mode.
- (2) Separate the magnet and the main body manually (simulate the opening of the door or window), and trigger the alarm signal.
- (3) The host computer displays "Pairing Successful" to complete the code pairing.

V. Instructions for use

1. LED status

- 1) Red LED blinking: equipment startup in progress (lasts for 0.5 seconds and then goes out).
- 2) Red LED flashing: detecting door and window tamper alarm or door and window opening alarm (lasts for 1 second and then goes out), sending alarm signal.

2. Working Mode

Arming mode: linkage with the host, send alarm signal after triggering.
Disarm mode: when the host disarms, the device only records the status without alarm.

VI. Troubleshooting

Issue	Solution
No alarm triggered	1. Check magnet alignment; 2. Replace battery; 3. Re-pair.
Frequent false alarms	1. Reposition the device; 2. Check magnet stability.
Signal delay	1. Reduce transmission distance; 2. Replace battery.

VII. Safety & Maintenance

1. Warnings

- Do not immerse the device in water or expose to corrosive environments.
- Avoid use in flammable/explosive areas.

2. Maintenance

- Inspect every 6 months: Check magnet strength and battery contacts.
- Remove the battery if the device is unused for extended periods.