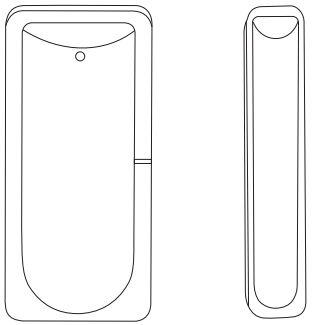
Installation Instructions

Smart Door/window Sensor

1.Brief Introduction

This is a smart wireless door/window sensor with door close/open bi-directional detection and beeper remind. When door is open, sensor will send out 5 “Di di di di di” sounds and then transmit wireless door-open signal; when door is close sensor will send out 1 “Di” sound as remind and then send out door-close signal to control panel. When sensor housing is open illegally, it will also send out tamper switch signal to control panel. In a word, this is a smart door/window sensor with particular stability than similar sensor in the market.



Main body Magnetic

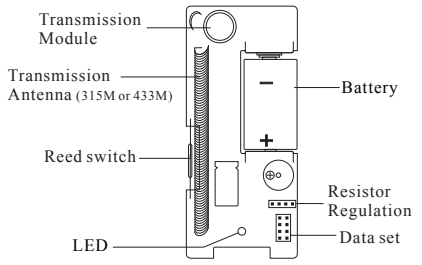
2.Briefintroduction

-Super mini power-consumption design
-Can recognize door open/close (For option)
-With beeper remind (For option)
-High capacity Lithium battery
-Low voltage detection
-Tamper switch detection
-Self-check function (For option)

3.Specifications

Power: Li-battery 3.6V 1/2 AA (ER14250)
Current: 10uA Stand by 32mA(Without beeper)
70mA(With beeper)
Alarm output: EV1527/PT2262 For option
Transmission distance:>200m in open area
Transmission frequency: 315MHz/433MHz For option
Trigger space: 20mm
Low voltage alarm: 3.1V
Operation temperature: -10℃/+55℃
Operation humidity: 95%RH
Size: 75×35×25mm(Main body)
75×14×16mm(Magnetic)

4.Accessories



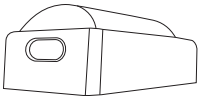
5.Installation Guide

Strongly suggested that sensor transmitter should be installed on the steady side of top of door/window, and magnetic body installed on the movable side. Please fasten the transmitter and magnetic body by double-sided tape or screws on needed position.

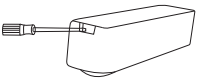
Magnetic body and transmitter must be installed side by side, can't be dislocated. Pay attention that reed switch should be installed closely to magnetic body part on the same side (there is a mark on cover), and installation space should be less than 10mm. At the same time, transmitter installation should avoid surface of much metals and electric cables. In order to match different control panels, settings on DATA SET and Oscillation frequencies should be strictly operated according to needed codes and frequencies during installation.

1.Open main body for screw installation! For double-sided tape installation, please ignore this step.

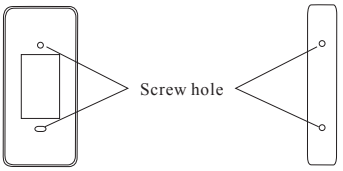
2.Open magnetic part (For screw installation)

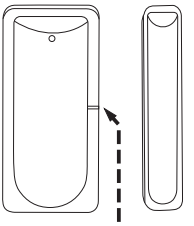


Press down here to open transmitter bottom cover

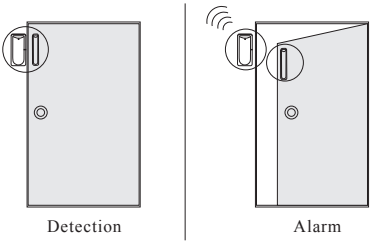


Magnetic bottom cover can be open with a slotted screw-driver





This direction should face magnetic part for normal operation



6.Product Setting

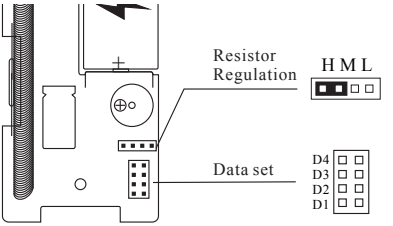
1.Data codes setting

Proper data codes can be obtained by setting on "DATA SET" for control panel recognition of: D4\D3\D2\D1

2.Oscillation frequency setting

Oscillation frequencies matching other control panels can be obtained by adjust oscillation resistance on coding chips. As below figure, this sensor is with 3 modes (High/Middle/Low) equal to below codes:

PT2262 mode 4.7M H 、3.3M(M)、1.5M(L)
EV1527 mode 430K H 、330K(M)、100K(L)



It turns to be LOW when short-circuited module is inserted.

3.Coding

Open bottom cover of transmitter and remove the isolator, then sensor will make self-check for 6 seconds and turn into operation status. Move away the magnetic part, sensor will be triggered and send out alarm signal to control panel（green LED will turn on）.

7.Low voltage and battery change

When battery voltage is lower than 3.1V, sensor will send out LOW VOLTAGE signal for control panel recognition which is with low voltage reception function, red LED will flash each 5 seconds. If sensor keeps detecting battery low voltage signal, it will send out low voltage signal each 30 minutes to remind user to change battery.

Factory battery can operate for more than 18 months! Please pay attention to battery brand, specifications and voltage during battery change! Improper battery might cause damage to sensor!

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