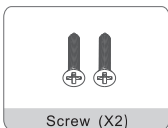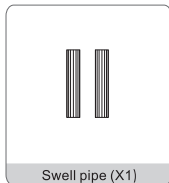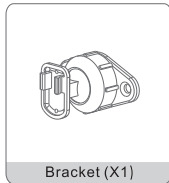# Wireless Passive Infrared Detector
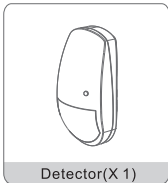
1 Packing List

Please confirm the device is good after you open the packing, and check the parts as below :

Detector(X 1)	Bracket (X1)
User Manual (X1)	Swell pipe (X1)
Screw (X2)	Screw (X1)
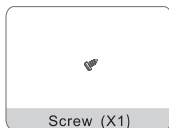
2 Appearance & Function Introduction

Product appearance

LED indicator light/Test key

Lens

Anti-tamper switch

Anti-tamper switch
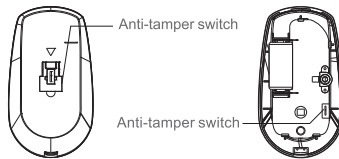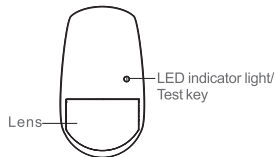
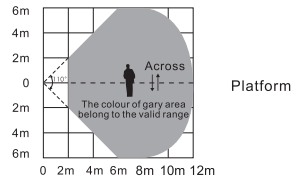### Function introduction

◆16 - Bit low power consumption microprocessor
◆Low voltage reminder
◆Wireless signal transmission.
◆Low power consumption, long battery life
◆Digital temperature compensation,
◆White light immunity technology
◆IOT wireless protocol no need jumper setting
◆Periodic supervision

3 Installation position and notes

1. Installation position should be chosen at the entrance where the intruder may break into. Eg： Door, window and etc; Try to make the intruder across the detection area.

6m
4m
2m
0
2m
4m
6m

0 2m 4m 6m 8m 10m 12m

Across

Platform

The colour of gary area belong to the valid range

2. Building（such as the wall）will shorten the distance of wireless communication.

3. Do avoid installation near air -conditioner、electric fans, refrigerators, ovens or other places where the make temperature changes, avoid sunshines directly on the detector.
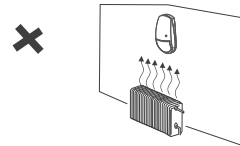
4. In order not to affect the detecting result, there should be no object in front of the products lens.
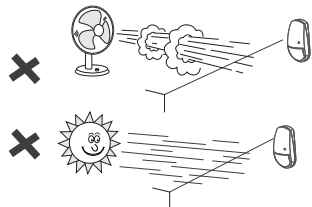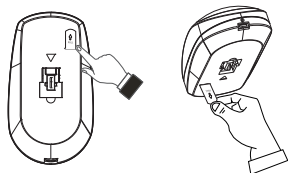5. It is recommended to install with bracket, more details pls refer to the bracket installation manual picture.

4 Product Power Connection

1. Please find the insulating strip at the back of the product.
2. According to the picture below, make the insulating strip out of the battery jar, then start working after the power is connected.

5 Product Installation

Make this product as accessories, refer to the manual of alarm box/alarm hub and add it into the alarm box/ alarm hub, install it according to the diagram below:

❶ Choose the location of the wall installation, fix the bracket by screw on the wall;

Bracket installation diagram

2.2 Meters
（Mounting height）
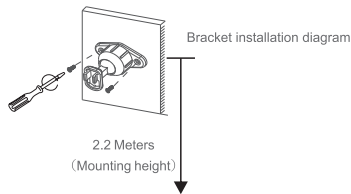
❷ Locking screw；

❸ Fix the product on the bracket，adjust the detection position，then installation finishes.

6 Product usage

1. When power on, the device will enter into self-inspection state, LED lights flashes 60s.
2. The device will enter into test mode for 5 minutes, after self-inspection, if someone across the detection area, the LED light will flash and send out the alarm signal.
3. Enter normal usage patterns after 5 minutes test mode finished, the device will not send out the signal even if it has sensing the signal again within two minutes from the first alarm happens, factory setting is 2 minutes.
4. Press the test button in normal use mode, LED light flashes once enter into the test mode.
5. Anti-tamper switch: It will send out a tamper signal only once when the product is disassembled, and it will send out tamper signal resume when the tamper switch recovers.
6. This product has low voltage detection reminder. when the battery voltage lower than 2.5V±0.2V, LED light flash 5s one time and send out the short voltage signal to the hub, then every 4 hours one time,the device will enter the self-inspection after change the new battery,and it will send the voltage resume signal if the battery voltage is normal.
7. Suports online inspection signal,it sends a network signal to the hub every 4 hours.

7 Attention

1. Please follow the user manual to install and use it correctly, and don't touch the product surface, as it may affect the sensitivity of products. If need to clean the sensor, pls use a soft cloth with a little alcohol to wipe it after you cut off the power.
2. Avoid the device working under the environment of temperature changing a lot.
3. This product can reduce the accident happening, but can't make everything alright. For your safety, except use this products correcty, please improve our vigilance in our daily life, strengthen the sense of the safety precaution, and maintain it regularly.
4. Please remove the battery and safe keeping, if you don't use this product for a long time.

8 Technical Parameters

RF Frequency	433MHz/868MHz
Working Voltage	3V(CR123A battery/pcs)
Battery life Current	2 Years(20 times/day)
Consumption	When alarm：≤15mA；When standby ：≤15µA
Low Voltage Alarm	2.5V±0.2V
Transmitting Power	≤10dB
Working Temperature	-10℃~+55℃
Detecting Range	12m
Detecting Angle	110°
Mounting Type	wall
Mounting Height	2.2m(according to the center position of this products）
Dimension(mm)	106x60x36mm