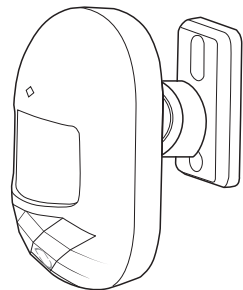





PIR Detector User Manual



Thank you for choosing us. please carefully read this user manual before operation and installation.

Cautions:

-  Please read user manual carefully before using this product.
-  Please start the product in environment which is marked in this user manual, in case of damage.
-  Non-professional staff please do not dismantle the product by yourself

I . Product Introduction

This product is a wireless PIR motion sensor(hereby short name as sensor), it is able to detect infrared ray from human body, and make accurate analysis according to the environment, precisely and stably alarm to the motion of human body. This product can work together with our Alarm Hosts.

Suitable Place



Home



Shopping
Mall



Equipment
Room



Warehouse

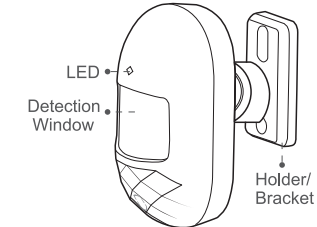


Factory

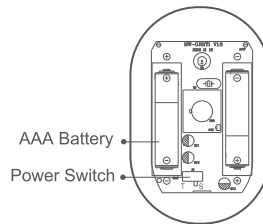
II . Features

- Utilize imported infrared sensor and artificial intelligence algorithms ;
- SMD manufacturing technology,with good anti-radio frequency and Anti-glare;
- Adjust signal trigger interval time: power saving mode/timer mode;
- low-power alert ;
- Low-power circuit design can greatly increase battery .

II . Details

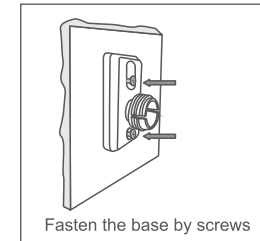


Fig(1)

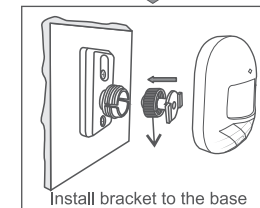


III .Installation

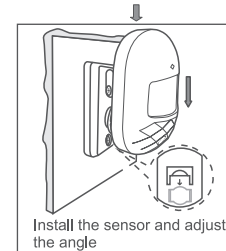
Tips: Better install on the solid object like wall, where people pass by, and with 1.7-2.2M height to ground



Fig(2)



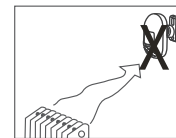
Fig(3)



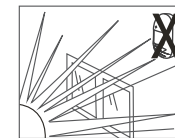
Fig(4)

Cautions

Below tips are helpful to eliminate external effect on its detection function

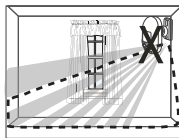


Avoid installation
facing heating source



Avoid strong sunshine

Fig(6)



Avoid swing object like curtain

Suggestion: Install it to places where intruder may break

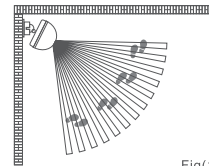
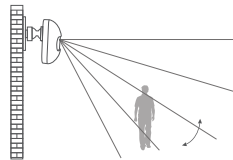
Note:The detection area is 7m/90° sector.



Fig(9)

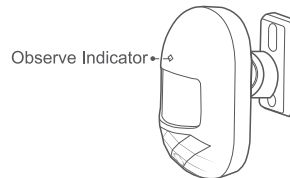
IV. Test:(Suggest to test it per 3 months)

Please test by yourself after installation to make sure it covers all areas you want to protect.



Fig(10)

V. Coding



Fig(11)

Make the alarm host into coding status, trigger the sensor, it will send signal to alarm host(Indicator flashes in red color), alarm host receives signal and coding successfully.

VI. Function Descriptions

1. Mode Setting of Detectors

- ① Switch on the power to T : power saving mode(trigger the detector for alarming, in 60s if you trigger again it will re-count another 60s, then you can trigger the 2nd alarm.)
- ② Switch on the power to S: timer mode(after an alarming, you can only trigger another alarm after 60s.)

2. Heartbeat function:

The detector will send a signal of heartbeat in every 4 hours.

3. Battery low voltage inspection:

When the built-in battery voltage is lower than 2.55v (Indicator normally on), the sensor will send a low-voltage alarm signal to alarm host automatically(only one time).

4. LED Status Instruction

Sending wireless signal:The indicator flash once.

Battery in low voltage: The indicator always flash twice every 16s econds (please change battery , when it shows low voltage alert , or it will not work normaly like usual).

VII. Specifications

1. Power supply: 3VDC, 2 pcs AAA batteries
2. Standby current: $\leq 20\mu A$
3. Alarm current: $\leq 20mA$
4. Operating humidity: $\leq 75\%$
5. Operating temperature:-20℃~+55℃
6. 1527/2262 encoding modes (Optional)
7. Wireless wide open distance : 70m
8. Wireless frequency: ASK 315MHZ/433.92MHZ/868MHZ can be customized
9. Detection distance/angle: 7m/90°
10. Dimension: 94x54x41 mm (without mounting bracket)

FCC Warnning:

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 generates, 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 or more 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.

Caution: Any changes or modifications to this device not

explicitly approved by manufacturer could void your authority to operate this equipment.

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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.