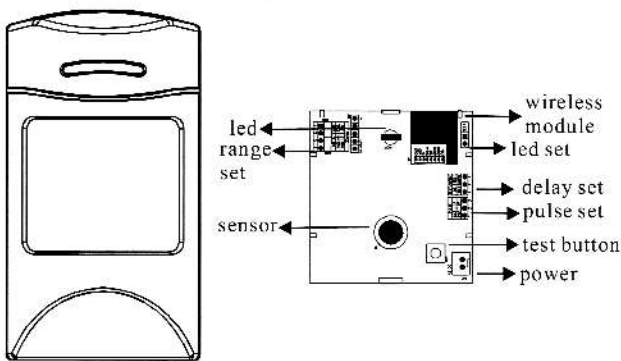


## PRODUCT INTRODUCTION

The product is a wireless passive infrared detector with high stability. It adopts advanced technology in signal processing and provides superhigh detection ability and anti fault alarm ability. The detector will detect movement of human automatically when intruder pass through the detected area, and it will send alarm signal to alarm host if there is movement. The product is designed suitable for the safety of residential house, villas, factories, markets, warehouses, office building etc usage.

## PRODUCT PROFILE



## MAIN FEATURE

- ASIC Adopted
- Auto temperature compensation
- Send alarm signal by RF
- FSK encoding
- No wiring, easy installation
- Low battery indication
- SMT design adopted

## TECHNICAL SPECIFICATION

Operating voltage: DC 3V (2 \* 1.5V AA battery)  
Static current:  $\leq 25\mu\text{A}$   
Alarm current:  $\leq 20\text{mA}$   
Detecting distance: 9~12m  
Detecting angle:  $110^\circ$   
Code form: FSK  
Radio frequency: 433MHz  
Radio distance: 100m (open area)  
Low battery indicator: green LED  
Alarm indicator: red LED  
Range of coverage: 11 distance, 8 middle, 5 vicinities  
Sensor: dual element infrared sensor  
Operating temperature:  $-10^\circ\text{C} \sim +50^\circ\text{C}$

Environment humidity:  $\leq 95\%$  RH (no congelation)

Anti RF interference: 10MHz—1GHz 20V/m

Installation mode: wall mounted or hanged in corner

Installation height: 1.7 to 2.5m (2.2m is Proposed)

Outline Size: 107\*60\*46mm

## INSTALLATION

1. Installing at the out door, place with pets, air-condition nearby, direct sunshine, heat source and under the rotating objects should be avoided.
2. Surface of installation should be firm with no vibration.
3. Installing the detector in the place where intruder pass easily.
4. Fixing bracket on the wall by screw.
5. Hang the detector, it will work normally after turning on the power switch.

## OPERATING INSTRUCTION

### Function Setting

1. Delay Jumper: used to set alarm delay time. includes two modes:
  - 1.1 short 1&2(test mode): Used for product testing. In this mode, once the alarm is triggered, it could not be triggered again until 10S later.
  - 1.2 short 2&3(normal mode): Used for product normal use. In this mode, once the alarm is triggered, it could not be triggered again until 5 minutes later.
2. LED Jumper: for setting LED ON or OFF without effect of the detector work. LED can be shut for concealment of the detector after test.
3. Test Button: Button for testing, when press the button, the detector sends alarm signal to the alarm host. When use a learning alarm host, please set the host at the state of Learning. Press the test button, the detector connects to the host.
4. Green LED: Low battery indicator, when the green LED on, please replace the batteries in time.
5. Wireless connect: the detector adopts wireless connect. it will send RF signal to host when it was triggered.

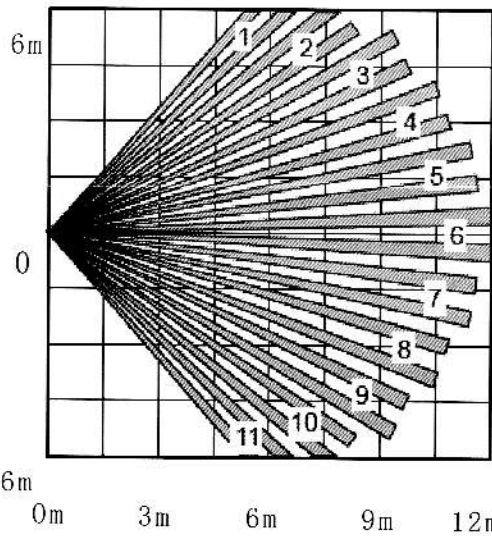
### Product Testing

Turning on power and LED indicator will be flashed once, the detector comes into state of self-check, it takes about 30s, after that it is in the state of normal work. Conner should walk parallel with the wall installed detector in the testing area. LED lighting means the detector is in the state of alarm.

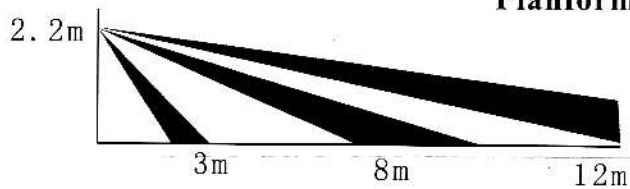
## NOTICE

1. Please install and use the detector according to this manual, don't touch the surface of sensor for avoiding affecting the sensitivity of the detector. Please shut off power and then clean the sensor by soft cloth with little alcohol if cleaning needed.
2. The product can reduce accident but may not perform as expected. The user is advised to take all necessary precautions for his/her safety and the protection of his/her property.
3. In order to ensure it can work normally, the power should be kept to supply and get on walking test periodically, once a week is better.
4. it should be set to work model to save power after install and test ok.

## Detecting Area View



**Planform**



**Side View**