# MANUAL FOR WIRELESS PASSIVE INFRARED DETECTOR

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
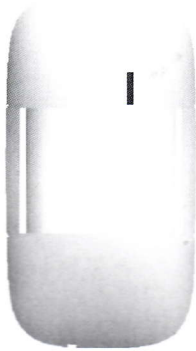
MAIN FEATURE

- ASIC Adopted
- Auto temperature compensation
- Send alarm signal by RF
- No wiring, easy installation
- Low battery indication
- SMT design adopted
- "Heartbeat" Timing Function

TECHNICAL SPECIFICATION

Operating voltage:DC 3V (2 *1.5V AAA battery)

Static current: ≤15uA

Alarm current: ≤14mA

Detecting distance: 9~12m

Detecting angle: 110°

Code form: 1527

Radio frequency: 433MHz

Radio distance: 150m (open area)

Low battery indicator: Orange LED flash twice

Alarm indicator: red LED light 2 second

Range of coverage: 11 distance, 8 middle, 5 vicinities

Sensor: dual element infrared sensor

Operating temperature: -10℃ ~+50℃

Environment humidity: ≤ 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*57.4*37mm

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 three 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 5S 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.

   1.3 short none(work mode):Used for place there are many moving people, such as office. In this mode, once the alarm is triggered, it could not be triggered again unless it does receive any trigger signal from body in the following 5 minutes.

2. UPDATA Jumper: used to set upload time. it can be set 2 hours or 4 hours.

3. 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.

4. PULSE Jumper: set the number of pulse. it can be set to 2P mode to void false alarm.

4. Tamper Detect Button: moving the detector from the installing support will trigger the detector ,

5. Low battery LED: Low battery indicator, when the Orange LED flash twice quickly, please change the batteries in time.
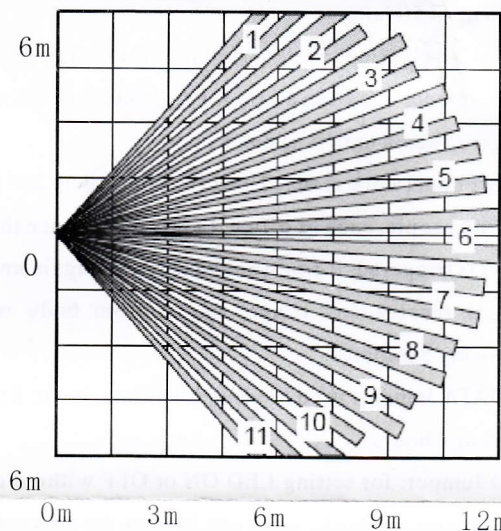
Product Testing

Turning on power and LED indicator will be flashed for 2s, the detector comes into state of perheat, 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.
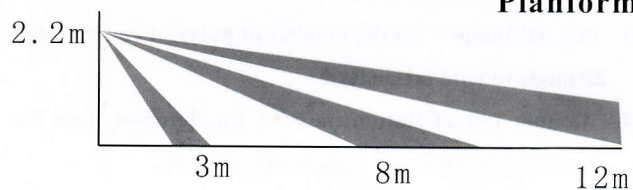
NOTICE

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.

Detecting Area View

Planform

Side View