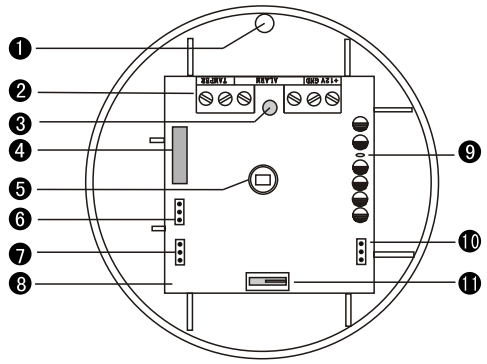
PRODUCT INTRODUCTION

The product is passive infrared detector with high stability. It has adopted advanced technology in signal processing and provided superhigh detection ability and anti error alarm. The detector will detect movement of human automatically when intruder passes through the detection area, and it will send out alarm signal to alarm host if there is movement. The product is suitable for the safety of residential house, villas, factories, markets, warehouses, office building etc.

PRODUCT PROFILE



❶Wire Exit
❷ Terminal Block
❸LED Indicator
❹ Relay
❺ Dual Element IR Sensor
❻ LED Jumper
❼ Relay Jumper
❽ PCB
❾ Thermistor Resistance
❿ Pulse Jumper
⓫ Anti-dismantle Switch

MAIN FEATURE

- Intelligent logic control, anti false alarm efficiently
- Auto temperature compensation
- Pulse count adjustment
- Anti white light interference
- Anti RF interference(20V/m-1GHz)
- Fresnel lens
- Ceiling installation
- SMT design adopted
- Alarm output N.C. / N.O., Anti RF interference

TECHNICAL SPECIFICATION

Operating voltage: D.C. 9V ─ 16V
Current comsuption: ≤18mA(DC12V)
Detecting distance: diameter 8m (when the height is 3.6m)
Detecting angle: 360°
Self-testing time: 60S or so
Working temperature: -10℃~+50℃
Alarm indicator: red LED
Alarm output:N.C. or N.O., DC28V,100mA
Temper output: N.C., DC28V, 100mA
Range of coverage: 24 distance, 24 middle, 6 vicinities
Sensor: dual element infrared sensor
Operating temperature: -10℃ to +50℃
Environment humidity: ≤ 95% RH (no congelation)
Anti RF interference: 10MHz─1GHz 20V/m
Installation mode: ceiling mounted
Installation height: 2.5 to 6m
Outline Size: 106mm dia. * 36mm deep

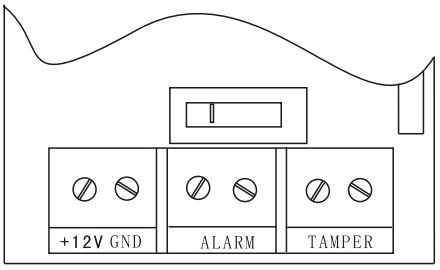
INSTALLATION

1. Installation 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.

INSTALLATION STEP

1. Turn the detector counterclockwise, remove the front cover
2. Screw the PCB off and remove the PCB.
3. Drill a wire hole in the rear housing.
4. Install the rear housing on the suitable position.
5. Connect the terminal block.(as follows).
6. Put back the front cover.

TERMINAL BLOCK FIGTURE



+12V	DV ANODE
GND	DV CATHODE
ALARM	ALARM OUTPUT PORT
TAMPER	ANTI-TEMPER OUTPUT PORT

OPERATING INSTRUCTION

Function Setting

1. Relay Jumper: Choose NC or NO to set the state of alarm output. You should choose different alarm output in accordance with host.
   Short 1&2: N.O.
   Short 2&3: N.C. (Factory-set)
2. Pulse Jumper: You can adjust the sensitivity and anti RF interference by choosing the Pulse Jumper.
   Short 1&2: class 1 pulse, the sensitivity is highest, adapt

to general environment.

Short 2&3: class 2 pulse, anti RF interference is high, adapt to the environment with strong RF interference.

Shut off: class 3 pulse, the sensitivity is lower, and the anti RF interference is highest, adapt to the environment with exceeding RF interference.

3. LED Jumper: Control LED indicator, without effect of detector normal work.

Short 1&2: set LED ON

Short 2&3: set LED OFF

LED can be shut off for concealment of the detector after Test.

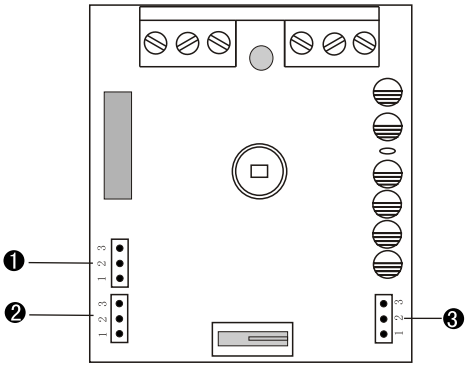
Product testing

Turning on power and LED indicator on, the detector comes into state of self-check, it takes about 60s, 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.

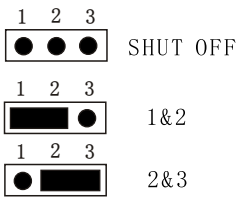
JUMPER SETTING FIGURE



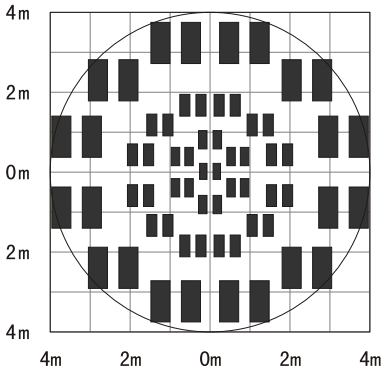
❶LED JUMPER

❷RELAY JUMPER

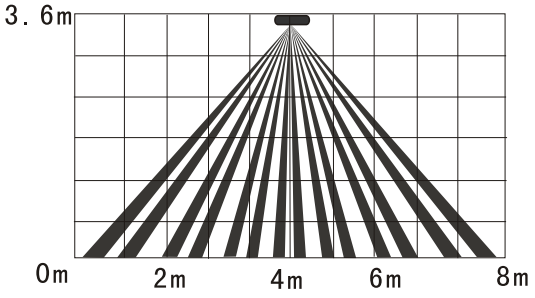
❸PULSE JUMPER



Detecting Area View



Planform



Side View