

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.



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 consumption: ≤ 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

		NO	NC	
lack	Red	Blue	White	Yellow
GND	+12VDC	NO	COM	NC

OPERATING INSTRUCTION

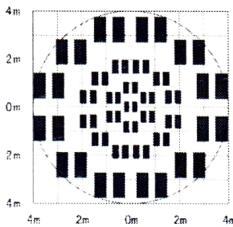
Product testing

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.

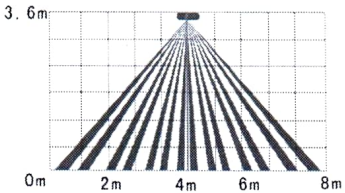
NOTICE

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.

Detecting Area View



Planform



Side View