

PRODUCT INTRODUCTION

The product is intelligent direction identification PIR detector. It has adopted advanced technology in direction identification and provided superhigh accurate direction identification ability. Designed in CPU processing and low power consumption circuit to insure the high stability. The detector distinguishes the intruder and host. The product is suitable for the safety of residential house, villas, factories, markets, warehouses, office building etc.

Alarm indicator: red LED

Alarm output: N.C./N.O. Optional, contact D.C.28V 100mA

Anti-dismantle output: N.C., Contact D.C.28V 100mA

Sensor: dual element infrared sensor

Operating temperature: -10°C ~ +50°C

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

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

Installation mode: wall mounted

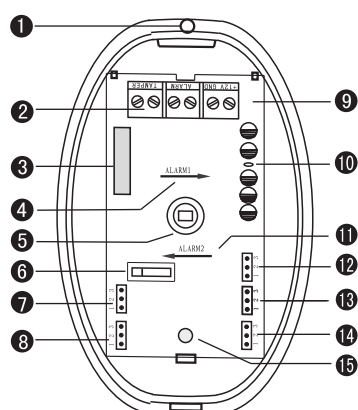
Installation height: 1.7 to 2.5m (2.2m is proposed)

Alarm output: N.C./N.O.optional, contact D.C.28V 100mA

Anti-dismantle output: N.C., contact D.C.28V 100mA

Outline Size: 69.5L*40W*110H mm

PRODUCT PROFILE



- | | |
|------------------------------------|--|
| ① Wire exit | ⑨ PCB |
| ② Wire contact | ⑩ Thermistor resistance |
| ③ Delay | ⑪ Identifier 2 for alarm direction |
| ④ Identifier 1 for alarm direction | ⑫ Option jumper for direction identification or single curtain |
| ⑤ Infrared sensor | ⑬ Option jumper for alarm delay |
| ⑥ Identifier 1 for alarm direction | ⑭ Option jumper for alarm direction |
| ⑦ RELAY jumper | ⑮ LED indicator |
| ⑧ LED jumper | |

MAIN FEATURE

- Intelligent technology of direction identification
- Auto temperature compensation
- Alarm direction optional
- Alarm delay optional
- Single curtain/direction identification optional
- SMT design adopted, Anti RFI & EMI
- Anti RF interference (20V/m~1GHz)
- Fresnel lens

TECHNICAL SPECIFICATION

Operating voltage: DC 9-16V

Alarm current: ≤ 18 mA (D.C.12V)

Detecting distance: 9m

Detecting angle: 15°

Self-testing time: about 60S

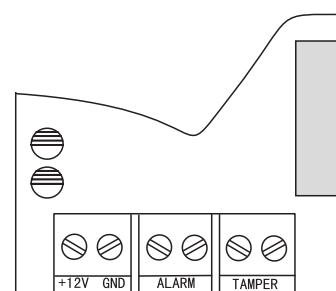
INSTALLATION

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. Install the bracket on suitable position.
2. Open the front housing, and remove the PCB.
3. Fix the rear housing onto the bracket.
4. Fix the PCB, then install batteries.
5. Set the alarm direction to point out the inside.
6. Install the front housing.

TERMINAL BLOCK FIGURE



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

OPERATING INSTRUCTION

Function Setting

1. Relay Jumper: Short N.C. or N.O. to set the state of alarm output. You should choose different alarm output in accordance with alarm host.
Short 1&2: N.O.
Short 2&3: N.C. (Default mode)

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 and anti RF interference is general, adapt to general environment.

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

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

3. LED Jumper: Control LED indicator, no 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.

4. Delay Jumper: used to set alarm delay time (5S/5 minutes/10minutes). When the detector is triggered, it gets into the state of delaying. Once in the state of delaying the detector will not be triggered alarming.

Short 1&2: delay 5s (test mode)

Short 2&3: delay 5 minutes (work mode)

Shut off: delay 10 minutes (work mode)

5. Option Jumper: used to set the function of single curtain or direction identification.

Short 1&2: direction identification

Short 2&3: single curtain

6. Direction Jumper: Jumper for choosing alarm direction.

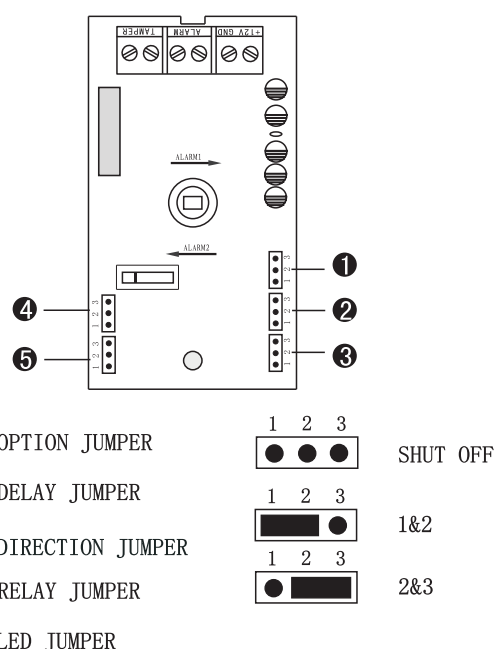
Product testing

1. Before testing, Please set the Delay Jumper in the state of Test Mode.
2. LED flashes once power on, then the detector comes into the state of self-check, it takes about 60s. After that it is in the state of normal work.
3. After the self-check, Conner should walk parallel with the wall installed detector in the testing area. LED lighting means the detector is in the state of alarm.
4. When the LED indicator turns off, conner walks from indoor to the outdoor after 5S, at the same time, the green LED indicator turns on with no triggering of alarm.

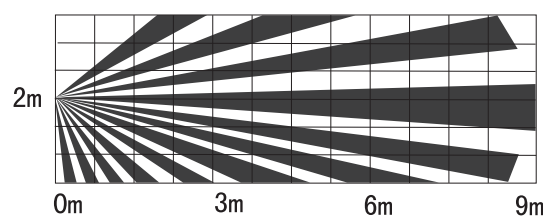
alcohol if cleaning needed.

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.

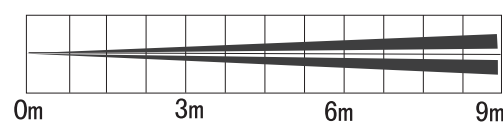
JUMPER SETTING FIGURE



Detecting Area View



Side View



Top View

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