PIR Detector
695

INTRODUCTION

The product is a new type of sensor switch; it adopts infrared energy detector, IC and SMD technology. When one enters the product's detecting range, the infrared sensor work and output signal to its matchedcontrol unit, the control unit will alarm.

Bracket 10T

FEATURES

- Selectable pulse width;
- High interference immune;
- Automatic temperature compensation;
- Tamper switch;
- vertical adjustment sensitivity;
- Preventing pet design;
- Installation flexible and convenient;
- Sensitivity adjustable.

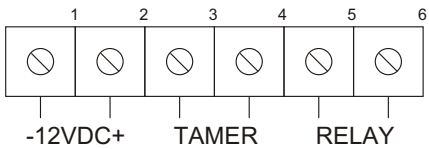
SPECIFICATIONS

Power supply: 8~16VDC
Warm-up time: 30s
Alarm time: 1~2s
Sense degree: 140°
Sense distance: 12m(max)
Working temperature: -10°C ~+40°C
Relative humidity: <93%RH
Installation height: 1.5~3.5m

MOUNTING

- Untighten the end screw and open the front cover;
- Loosen the screw fixing PCB;
- Remove PCB to the end surface, and take out PCB;
- Bore crossing-line holes on the back cover;
- Run the wire along the wire slot located on the backside of the back cover and insert it through its prepared hole;
- Fix the back cover on the selected position;
- Connect power and signal wire to the terminal block according to following diagram, replace the PCB into back cover;
- Set vertical adjustment and tighten the PCB screw;
- Close the front cover and tighten the screw.

CONNECTION-WIRE

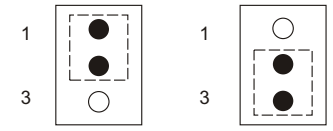


Terminal 1 connect to negative voltage "-"
Terminal 2 connect to positive voltage "+"
Terminal 3&4 -- tamper signal wire
Connect with controlling unit， when close the front cover, the signal wire is connected directly, when the front cover is opened, the connection is cut down and give one signal to controlling unit.
Terminal 5&6 -- RELAY
The sensor output terminal.

JUMPER SETTING

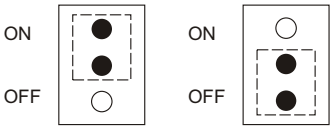
PULSE 31

JUMPER ON no.1 Jumper ON no.3
pulse width= 2 spulse width= 4s



LED/OFF/ON

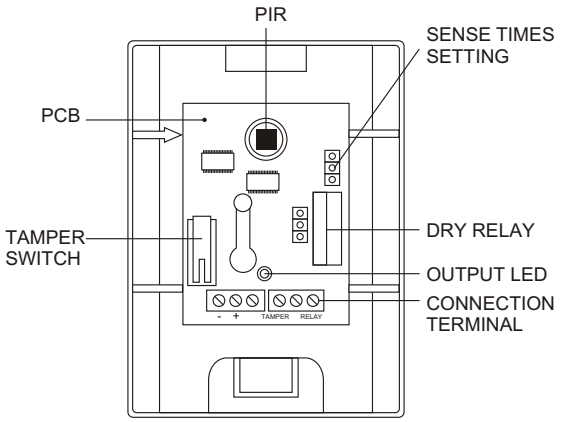
LED on LED off



You can vertically adjust the PCB to adjust sensitivity, like the right figure, on the scale the arrow point, the sensitivity is max, remove up the PCB, the arrow point to following scale and the sensitivity is more and more poor.

TAMPER TEST:

1. Without tighten screw close the detector;
2. Set the controlling unit to "Armed" mode;
3. Remove the front cover, the tamper will activate the alarm;
4. Close the front cover, the controlling unit stops alarming



WALK TEST:

1. Switch on power, after 30sec the unit enter stable state;
2. Set the jumper on "sense once to output" position, walk in the detecting field, when the unit detect signal once, signal is output and the output LED light;
3. Set the jumper on "sense twice to output" position, walk in the detecting field, when the unit detect signal twice, signal is output and the output LED light.

NOTE:

Avoid exposing the detector to direct strong air flow, unstalbe temperature sources and direct sunlight.