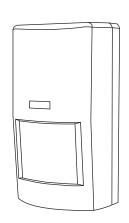
Passive infrared detector

Installation instructions

1. INTRODUCTION

This is a three-dimensional spatial passive infrared detector, by a two-element passive infrared sensor with advanced control and processing circuit technology to optimize the signal detected by the sensor. It has very low leakage alarm and false alarm, and adopts bidirectional temperature compensation technology to complete intrusion motion detection in a wide temperature range. Also adopted a unique pet weight, size calculation method, pet protection level up to 25 kg. In addition, the thermal airflow resistance, curtain swing and other false moving objects also have good performance, its performance and stability far beyond the market at the same price of infrared detectors. At the same time, the detector also provides the installation user with NO/NC output selection mode, which can be directly used to activate THE CCTV system and access control system. The detector can be used in a variety of indoor situations, such as warehouses, hotel rooms, offices, etc.



2. BRIEFINTRODUCTION

- Dual passive infrared detection technology
- Adopt intelligent processing technology
- Two passive infrared sensitivity adjustable
- Two anti-pet levels are adjustable
- Alarmoutput NO/NC Optional
- Complete SMT parts design

- Output holdtime four options
- Unique full range temperature compensation
- Protection against strong EMI
- Antiwhite light interference
- Anti-petrating: 25 kg
- Fully sealed optical fittings
- Detection range: 100 ° 12 meters

3. SPECIFICATIONS

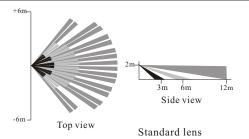
Power supply: 12-24VDC 15mA(Stand by) Current: Install high: 1.5m.-2.4mCoverage: $12m \times 12m$ Compensation: hyperbolic

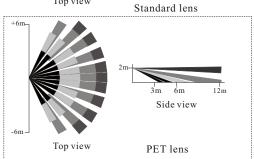
Alarm time: 2s/30s/1min/5minAnti RFI: 0.1-1000MHz/30V/m

Anti EMI: 50000V Anti-white light: >10000Lux Alarm output: 3A/220VTamper output: 200mA/125V Temperature: -10°C/+55°C Humidity(RH): 95% (RH) Anti-pet weight: 25Kg max PIR Sensitivity: 2 level

Detect speed: 0.2m/s to 3.5m/sDimensions: $116mm \times 64mm \times 48mm$ Lens type: Wide Anglestandard lens

Pet lens Curtain lens Long lens (35m)





4. INSTALLATION GUIDE

About Installation

Select the best installation point fit for PIR technologies. Put detector onto the selected place and keep it away from door, window, running machine or heat sources.



No direct facing cold /hot source



Keep away from high pressure power



Don't face the sun



Installation base shall be stable



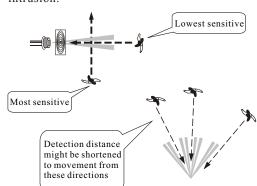
Keep away from strong interference



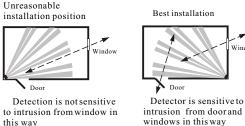
Install error

About installation Angle

There is a physical difference in the Angle of intrusion.



About Installation Position

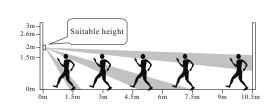


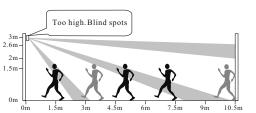


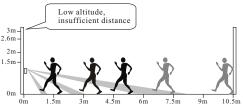


About installation Height

The recommended installation height is 1.5-2.4 m.



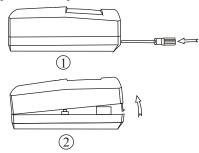




5. WALL FASTENING

How to open the shell

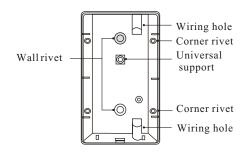
As shown on the bottom of the detector, a flathead screwdriver can be inserted into the pinch position to open the detector case.



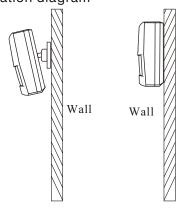
Mounting steps

To get the best detection and defense coverage, the probe needs to be mounted vertically at a height of 2.1 meters, with no obstructing objects in front of the probe and a wide view. After opening the case, loosen the screws and remove the circuit board. Cut a "wire outlet hole" and pass the wire through the outlet hole. First drill two holes on the wall according to the position of the 6mm impact drill bit, put the rubber plug, and then fix the detector bottom shell on the wall with selftapping screws, and then lock the circuit board back on the bottom shell, connect the lead wire to lock the wiring terminal as required, and then cover the surface shell. Power on, during the initial 40 s of operation, the red LED flashes and the detector enters the state of "self-detection". When thered LED goes off and the self-detection is completed, the walking test can be carried out.

Installation guide diagram for bottom case



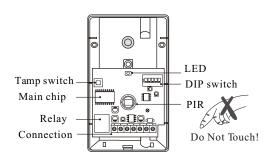
Wall hanging and bracket installation diagram



Universal support installation

 $Wall\,installation$

6. PART EXPLAIN



After debugging, please use sealant (silica gel, glass glue) to seal the outlet hole to prevent insects from climbing in and causing false alarm or damage to the product.

7. SETTING

DIP1 LED control 1 2 3 4 5

DIP2 Anti-pet weight selection: ON=25Kg, OFF=15Kg

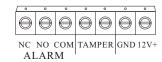
DIP3 Sensitivity selection:
ON= low sensitivity, OFF= high sensitivity

When the product is set at low sensitivity, the detection conditions will be one and a half times more than that of high sensitivity.

DIP4 Alarm output hold time DIP5

Hold time	DIP4	DIP5
2 seconds	OFF	OFF
30 seconds	ON	OFF
1 minute	OFF	ON
5minutes	ON	ON

8. WIRE UP THE TERMINAL



GND 12V+

Power supply 12-24VDC input, power flow minimum 50 mA

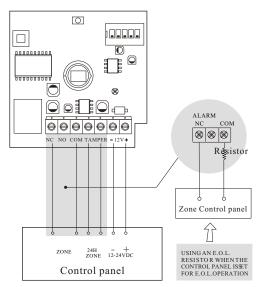
NC NO COM

Alarm output, with normally closed normally open optional, select normally closed: normally closed under normal conditions, open when alarm;

Normally open: Normally open and closed when alarming (can directly trigger access control system and CCTV system)

TAMPER

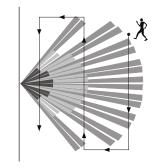
The detachable is normally closed. When the detector is turned on, the alarm will be triggered.



9. TESTING

After the installation, electrify the detector, the detector indicator lightwill self-check flashing for 40 seconds, self-check is completed, the detector can conduct simulated walking test.

When the redLED lights areoff, move horizontally with the detector in the detection area and view the PIR alarm state through the red LED, so that the detection range can be detected whether there is a dead corner. When moving horizontally in front of the detector, if the sensitivity of the detection area is too high or insufficient, the corresponding sensitivity can be adjusted to obtain the best detection effect.



10. NOTES AND WARNINGS

Even the most sophisticated detectors can sometimes be defeated or may fail to warn due to :DC power failure improper connection, malicious masking of the lens, tampering with the optical system, decreased sensitivity in ambient temperatures near that of the human body and un-expected failure of a component part. The above list includes the most common reasons for failure recommended that the detector and the entire alarm system be checked weekly, to ensure proper performance. An alarm system should not be regarded as a substitute for insurance. Home & property owners or renters should be prudent enough to continue insuring their lives & property, even though they are protected by an alarm system.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant harmful interference in residential installations. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the ins-tructions, may cause harmful in-terference to radio and television reception. However, there is no guarantee thatinterference will not occur in aparticular installation. If this device does cause such interference, which can be verfied by turning the device off and on, the user is encouraged to eliminate the inter-ference by one or more of the follow ingmeasures:

- Increase the distance between the device and the receiver.
- Connect the device to an outlet on a circuit different from the one that supplies power to the receiver.
- Consult the dealer or an experienced radio/TV technician.



WARNING! Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user s authority to operate the equipment.