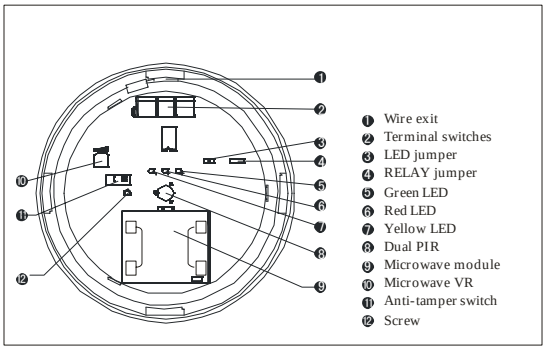
TRIPLE TECHNOLOCY

DETECTOR

Triple technology detector combined microwave and passive infrared with intelligence, adopting advanced signal analysis technology, can avoid various kinds of false alarms for worse environment. It is used in bank, warehouse, living space and other place.

GENERAL VIEW



CHARACTERISTIC

Adopted MCU

Automatic pulse count

Streamline design

Doppler + Power analysis

X-Band plane antenna

Microwave detecting range adjustable

Auto temperature compensation reducing false alarm

Valve adjustable technology with high anti-interference

N.C./N.O. optional for different alarm

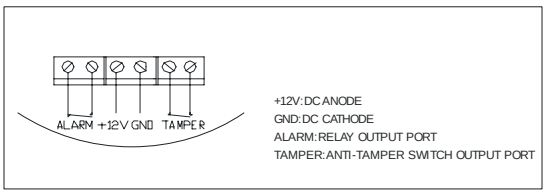
Intelligence technology differing intruder from interference signals

SMD technology

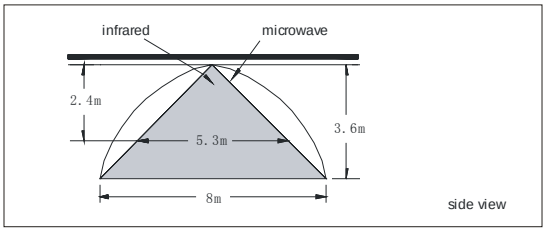
TECH. SPECIFICATION

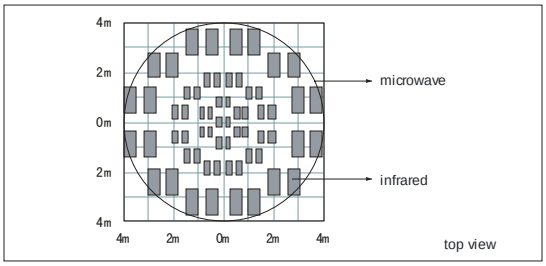
Working voltage	DC9～16V
Supply	≤18mA (DC 12V)
Detecting range	diameter:8m (installation height:3.6m)
Warm-up time	≤60s
Detecting mode	Dopper+Power analysis
Sensor	dual low noise PIR
Microwave antenna	plane antenna with high frequency oscillator GaAs :FET
Microwave frequency	10.525GHz
Installation method	ceiling mounted
Installation height	about 2.5-6m
Working temperature	-10℃ -50℃
LED indication	Green:infrared Yellow:microwave Red:alarm
Relay output	N.C./N.O. optional, 60VDC,100mA
Anti-tamper switch	N.C. without voltage output,28VDC,100mA

TERMINAL BLOCK



DETECTING RANGE





INSTALLATION

1. Fix the bracket of detector in the ceiling, after open the front cover and take out the PCB, set the back cover on bracket by screw.
2. Set the PCB in the back cover after connect the wire according to the TERMINAL BLOCK FIGURE Close the front cover.
3. The best installation height is 2.5m to 6m.
4. Avoid installing the detector close to the following objects causing temperature changes easily such as heaters, refrigerators and ovens. Avoid installing the detector in the sun directly.

TESTING AND USAGE

1. With 12V power supply, the detector is in self-checking and red LED flashes; The LED is off after 60 seconds and the detector is in operating state.
2. Make walk testing in detecting range, different LED flash: Green LED flashes, infrared is ON; Yellow LED flashes, microwave is ON; Red LED flashes, infrared & Microwave is ON and the detector is in alarm status.
3. RELAY jumper is used to set alarm output mode. Select different output mode depending on specification of control: 1&2/N.O. ; 2&3/N.C. ; 2&3 in normal.
4. Microwave VR is used to adjust the detecting range of microwave according to customer's request.
(the largest detection range is set in normal.)
5. LED jumper is used to control LED indication without interference to detector. LED ON jumper can be interrupted after testing for concealment.

NOTE:

1. Please install and use the Detector following the Directions. Do not touch the sensor surface as this could result in a detector malfunction. If necessary, clean the sensor surface using a soft cloth with pure alcohol.
2. Avoiding to use the Products in the area with huge change of temperature.
3. For various reasons, including, but not limited to, changes in environmental conditions, electric or electronic disruptions and tampering, the Product 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.
4.Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.