



Model No: IRS-PIR

Description: Microwave and Passively Infrared Intrusion Detector

This intrusion detector adopts advanced signal analysis technology, which can effectively prevent false alarms due to various environmental factors, so as to prevent illegal invasion and to safeguard lives and properties of banks, hospitals, factories, schools, residential and any other facilities.

Product Specification

Technical Parameters

Operating voltage:	DC12V
Operating current:	Static: ≤25mA; Active: ≤20mA
Operating temperature:	-10°C~50°C (14°F~122°F)
Sensor:	Dual passive pyroelectric sensor
Anti-white light level:	10000LUX
Detection range:	6m diameter (25°C)
Alarm output:	NC/NO available to choose from
Anti-dismantle output:	NC (50mA 30VDC)
LED indicator:	ON/OFF available to choose from
Dimension:	120*33mm

Operation and Modulation

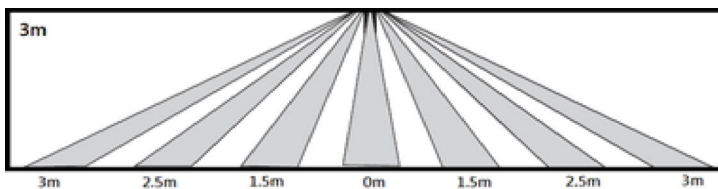
1. Self-checking time: 60 seconds
2. Testing by using normal walking speed to walk within the coverage area of the detector, there will be a corresponding indicator light on and output alarm signal
3. To ensure microwave to be triggered at static status, another test should be carried out after each indicator is turned off for about 1 minute
4. RELAY jumper (JP2) is to set the status of alarm output, according to specifications of different types of hosts to select different output status. Select 1 & 2 as NC (normally closed), 2 & 3 as NO (normally open), and the factory setting is set to be normally closed
5. Microwave potentiometer is used to adjust the range of microwave detector, users can adjust according to actual needs
6. P. COUNT jumper is for setting waveform as either 1P or 2P: 1 & 2 as 1P, 2 & 3 as 2P
Sensitivity adjustment: 1P represents high sensitivity, adaptive to a normal environment; 2P represents low sensitivity, adaptive to environment with slight interference



Indicators

When the green indicator light is on:	Indicates infrared rays are triggered
When the orange indicator light is on:	Indicates microwaves are triggered
When the red indicator light is on:	Indicates both infrared rays and microwaves are triggered, detector will start the alarm mode

A side view of the detection area



Features

- Infrared and microwave detection technology
- Digital intelligent logic analysis technology
- Imported high-end infrared detector
- Wall mounted, unique design featuring easy disassembly
- Temperature compensation function, reducing the influence on ambient temperature
- Sensitivity can be adjusted to accommodate different environmental requirements
- Anti-dismantle function
- Attractive and patent appearance