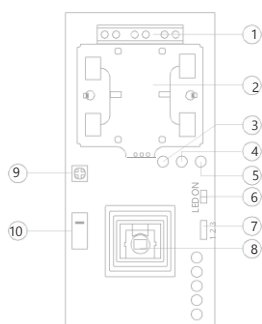
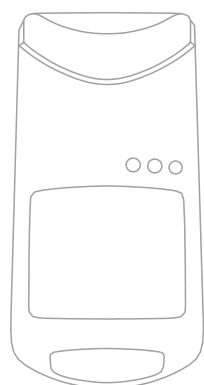
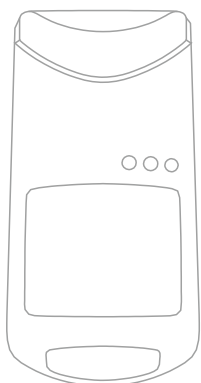


# Indoor Intelligent Triple Technology P.I.R. Motion Detector User Manual

PIR-918C



1. Terminal Block
2. Microwave Module
3. Yellow LED
4. Red LED
5. Green LED

6. LED On Jumper
7. Relay Jumper
8. Dual Infrared Sensor
9. Microwave VR
10. Anti-tamper Switch


Triple technology detector combined microwave and passive infrared with intelligence, adopting advanced signal analysis technology, avoiding various kinds of false alarms under worse environment. It is used in banks, warehouses and houses etc.

## Features

Adopted MCU Automatic pulse count Doppler+ Power analysis X-Band plane antenna  
Microwave detecting range adjustable  
Auto temperature compensation reducing false alarm  
Value adjustable technology with high anti-interference signals  
Unique look-down design without dead angle  
Intelligence technology differing intruder from interference signals

## Specification

Power Supply: 12V  
Coverage: 12m/110°  
Transmit Distance: 80m (open area)  
Self-testing Time: ≤60s  
Detecting Mode: Doppler + power analysis  
Infrared Sensor: Dual low noise PIR  
Microwave Antenna: plane antenna with high frequency oscillator Ga As: FET  
Microwave Frequency: 10.525 GHz  
Temperature: -10°C~50°C  
Detector Dimensions(L x W x H): 152 X 60 X 82 mm

 Printed in China  
2013 V 1.0

## LED On Jumper

It is used to control LED indication without interference to detector. LED on jumper can be interrupted after testing for concealment.

## Infrared Sensor

Detects the infrared rays released by human body motion. Please do not touch the surface and keep it clean.

## Microwave VR

It is used to adjust the detecting range of microwave according to customer's request. Default setting: the largest detection range.

## Tamper Switch

Once the case is opened in the detector's working state, the tamper switch will be triggered, generating an alarm signal.

## Status Indicator

Green LED On: Red infrared triggered.  
Yellow LED On: Microwave triggered.  
Red LED On: Alarm activated.

## Installation

1. The triple technology detector should be installed in entry or exit which intruder can easily enter.
2. The detector is more sensitive to cross-movement than to direct movement. The performance of detector is optional when detection direction is across the walking direction of intruders.
3. Fix the bracket of detector in the wall, open the front cover and take out the PCB, attach the back cover to the bracket with screws.
4. Fix the PCB in the back cover and then cover the case.
5. Keep LED indicator at the right direction. The fixing height is about 2~2.2 from the ground.
6. Adjust installation height or bracket to change the detection distance and angle.

## Testing and Usage

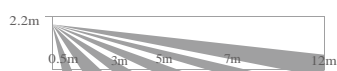
1. With 12V power supply, the detector is in self-testing state and red LED flashes; The LED goes off after 60 seconds and the detector is in working state.
2. Walk across detection area and watch the LED indicator to make sure the red LED light up when detecting the movement.

## Notice

1. Avoid mounting the detector close to places where heat changes fast or air stream flows frequently. (ie. Air conditioner, tube light, oven, waver, refrigerator etc.)
2. Avoid it facing to window which can be easily interfered by complicated environment. (ie. sunlight, crowds, or flowing cars etc.)
3. The product can reduce the possibility of accident, but the user is advised to take all necessary precautions for the safety and the protection of the property.

## Detection Area

Side view



Top view

