

User Guider

Wireless Passive PIR Detector(Indoor)

Function Features

P829 passive infrared detector applies digital dual-core fuzzy logic control processing technology and intelligent analysis algorithms and can distinguish interfering signals and body movement signals effectively to prevent false alarms. With built-in spiral high-frequency spring antenna, it has quite far transfer distance and is environment friendly and energy saving, safe, reliable and easy to install and so on.

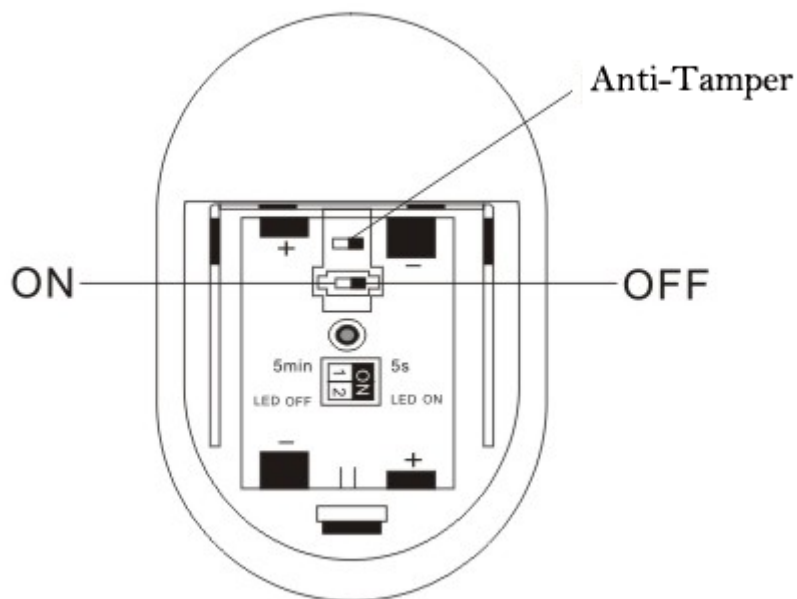
Product Appearance

Working Indicator Light

LED flashes once: Detector alarms

LED flashes once every 3s: Low-voltage indication, please change to the new battery as soon as possible.

Function Introduction



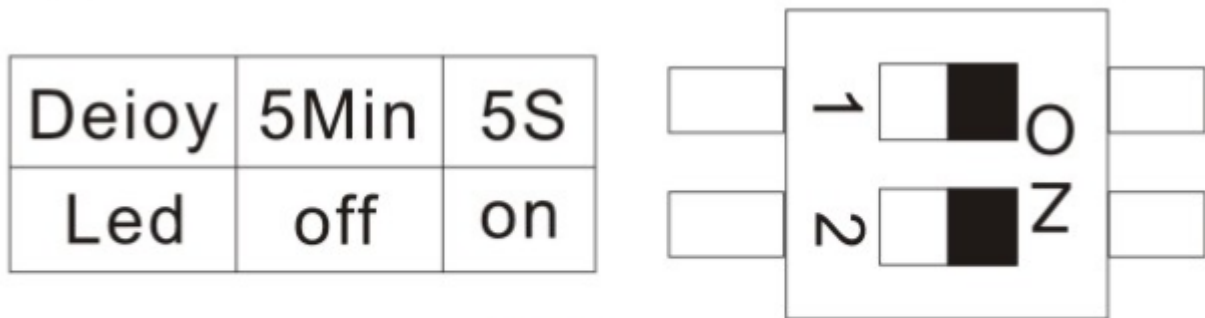
Low-voltage Reminder Function: When the voltage passive infrared detector

is lower than 2.4V, it's indicator light flashes once every 3s; meanwhile sends the low-voltage signal to alarm host. Host alarms with voice prompt “ XX Zone is in low voltage” and dial the alarm phone number to remind the user to change the battery after receiving the signal.

Anti-tamper Function: P829 There is a tamper button on the back of P829 passive infrared detector, when the detector is being taken off, the button will be triggered, and the instant indicator light flashes once and send the alarm signal to host, and host alarms after receiving the signal.

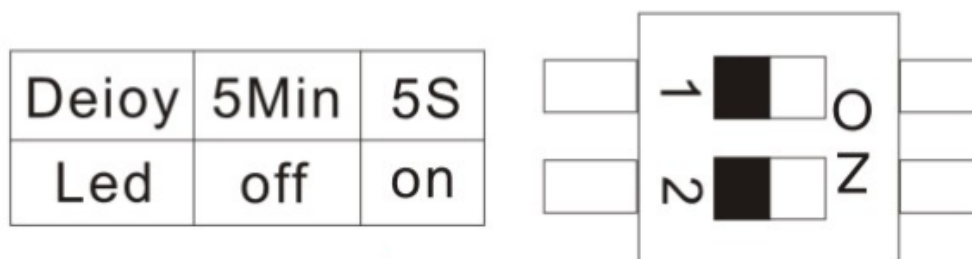
Mode Setting

1. Turn the switch to 5S/ON position, then detector enters normal working mode with the interval period 5s, and LED is light, as shown in picture 1.



Picture 1

2. Turn the switch on 5Min/OFF position, then detector enters power-saving mode with the interval period 5 minutes, and LED don't light, as shown in picture 2.

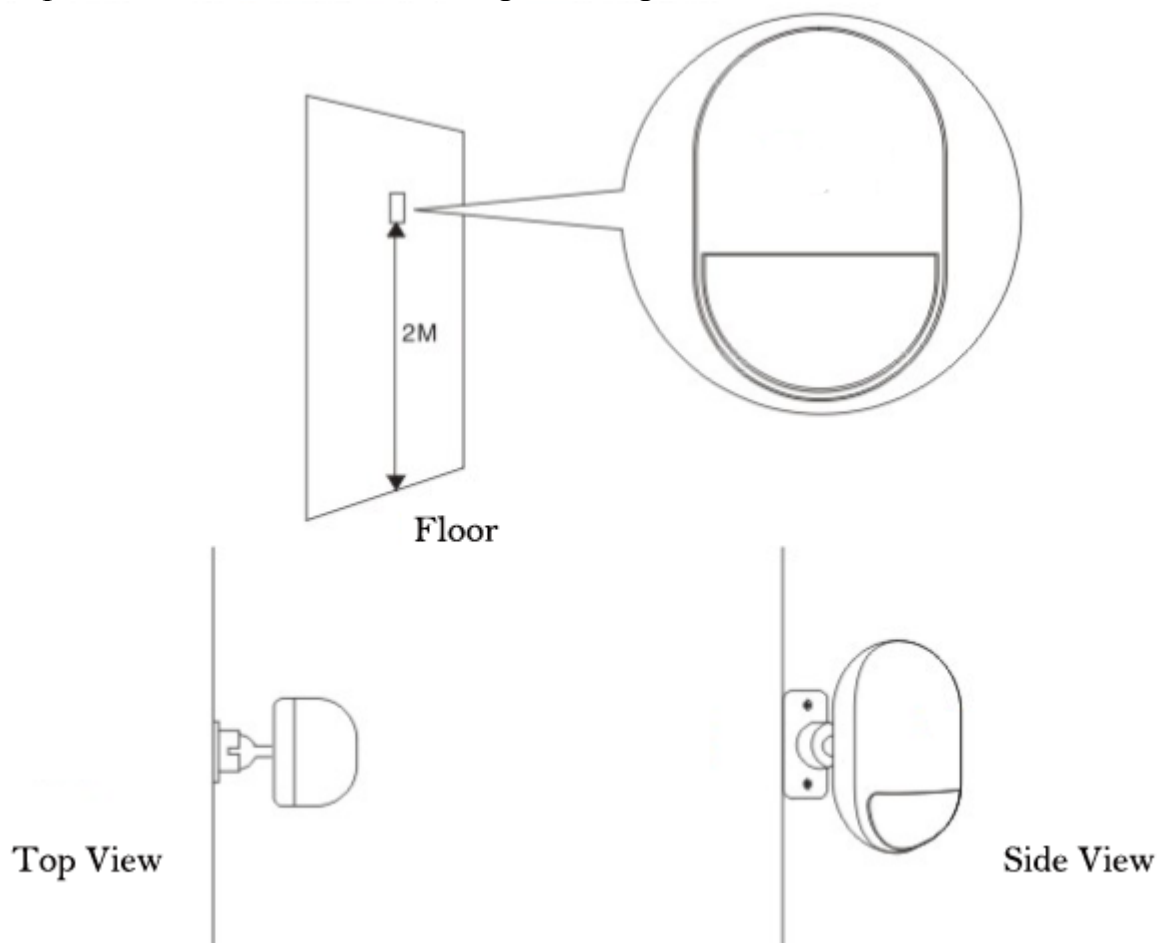


Picture 2

3. Installation

Installation location should avoid to close to window, air conditioner, fluorescent lights, heater, refrigerator, stove, sunlight and other places

where temperature would change rapidly and air flow speed is much high. If there are two detectors in the same detecting range, please adjust the position to avoid the interfering resulting in false alarms.



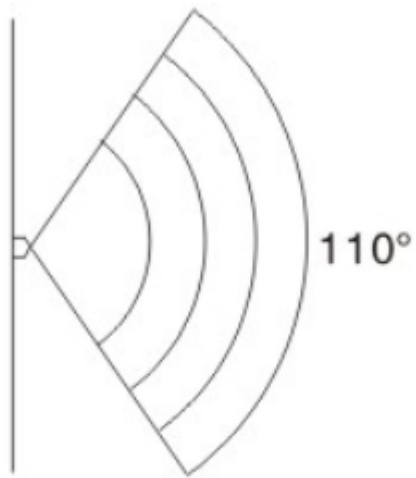
Fix the detector on the bracket, and change the detecting angel and distance through adjusting the installation height and the bracket. The installation height is suggested to be 2 meters away from ground.

Infrared detector is sensitive to human's vertical moving, and less sensitive to horizontal moving, so it's best to be a 90 degree angle with people walking direction.

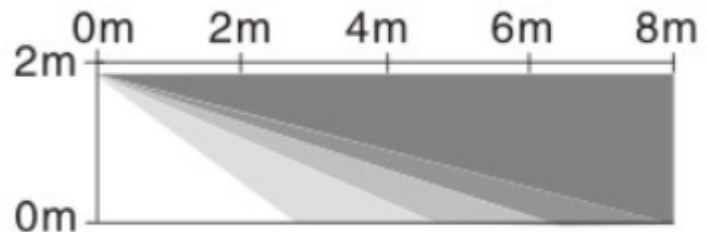
Test

- 1、 After the installation, turn the switch to be ON, and walk in the detecting range to observe the LED indication to make sure the detector work normally.
- 2、 After detecting human's body moving, LED flashes once.
- 3、 Adjust the detector angle to get the best detecting range.

Detecting Range



Top View



Side View

Technical Features

Power: detector applies two power supply mode: external power adapter or internal battery. They can be used together and the power adapter wouldn't charge the battery.

External Power Adapter: DC5V

Internal Battery: 2 "AA" Battery

Standby Current: <50uA

Working Current: <25MA

Detecting Range: 4-8 m/90 degree

Wireless Distance: 100m (Open Area)

Wireless Frequency: 433MHz

Housing Material: ABS

Working Humidity: <80%

Detector Size: 58*58*89mm