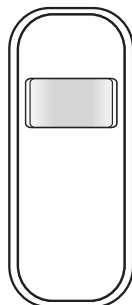


Wireless PIR Detector Manual Instruction



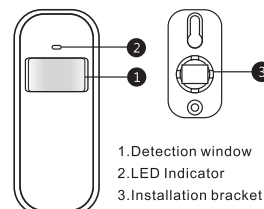
Product Introduction

PIR sensor adopts digital fuzzy logic infrared control system and Intelligent analysis algorithm; it can tell the interference signal and human movement signal to avoid fault alarm. Also it has temperature compensation and air flow technology to get used to the change of the environment. The device has the features of environmental-friendly, safety and easy installation. It can reflect the low voltage automatically to help the GSM alarm to send low voltage message to users. The product is suitable for housing estate, villa, factory, warehouse, office building and so on.

Function parameters

1. Adopts CMOS low-power consumption microprocessor.
2. Low power consumption, the battery with a longer life.
3. Built-in Millions of codes.
4. Transfer digital wireless signals.
5. Low voltage alert function.
6. All-around automatic temperature compensation.
7. Intelligent logic analysis to avoid fault alarm.
8. Anti white light.
9. Anti high frequency interference.

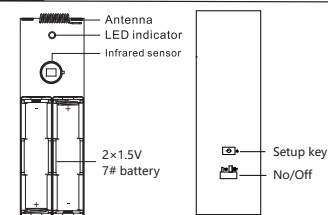
Product appearance



LED Indicator light

LED flashes frequently: device is in self-checking.
state LED flashes once: device is alarming.
LED flashes twice: device finishes self-checking and enters into working mode.
LED flashes three times: hints of battery under-voltage (you will receive low voltage alert message if your GSM alarm system connected PIR sensor).

PCB Layout



Infrared sensor: Used to detect infrared signal of human body radiation, please don't touch the lens with your hand and keep it clean.

Mode Selection:

The detector factory defaults to the regular mode, if you need to set the energy saving mode for the setting as follows.

Energy-saving mode: In the detector's regular mode, press and hold down the setup key for 5 seconds until the indicator light blinks continuously, then release the setup key, and the detector enters the energy-saving mode.

Normal mode: In the detector's energy-saving mode, press and hold the setup key for 5 seconds until the indicator light blinks continuously and then release the setup key, the detector will return to normal mode.

User instruction

Turning on the switch on the back of the detector, the device will release the wireless signal immediately for 2 seconds, then into self-checking for 30s. In Normal mode, you can set the different working modes by using the setting key.

Working Instruction

Turn on the switch → Self-checking → Working mode → { Normal mode (code sending) / energy-saving mode (30s)}

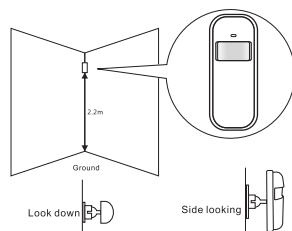
Normal mode: In the normal mode, the detector detects once every 300ms. When the human body signal is detected, the wireless alarm signal is sent out immediately, which can effectively avoid underreporting. In this state, the user can also continuously test the detection Angle and detection distance of the detector, so as to judge whether the installation position and height of the detector are reasonable.

Energy-saving mode: In energy-saving mode the detector will go to sleep after detecting 4 alarms in 3 minutes to save power, and after waiting 3 minutes for no signal to be triggered, the detector will automatically return to normal mode and start detecting again.

Coding operation: Make the alarm panel to be in coding state, then the detector will send wireless signal to alarm panel after installing the battery. Also please move your hand to trigger the device to alarm after self-testing, then it will send the wireless Check battery installed well or not Check the power of battery run out or not signal to alarm panel.

Product Installation

In order to make the detector far away from the place where temperature changes frequently and air flows fast, please don't put your detector near window, air conditioner, fluorescent lamp, heating apparatus, fridges, oven, stove, sunshine, etc. Also do not install 2 detectors in the same zone to avoid interference and fault alarm.



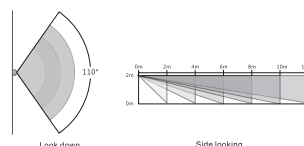
Fasten the detector on the mounting bracket, and then adjust the height or adjust the bracket to change the detection angle and distance, suggested height is 2.2m above the ground.

PIR detector has high sensitive on human's lateral movement, but low sensitive on human's longitudinal movement, so please install the detector on the direction vertical to human's walking direction.

Product Testing

- After installation of the battery, the device will self-check 30 seconds and then go to working mode, please walking around in the detection zone from left to right or right to left, observing the LED's flashes, make sure the device is working normally.
- The LED indicator flashes once when detect the movement of human body.
- Adjust the height and the angle of the device to the best detection range.

Detection Range Diagram



Trouble shooting

Failure	Solution
LED failed	Check battery installed well or not
	Check the power of battery run out or not
LED flashes 3 times periodically	Low voltage, please replace the battery
Wireless distance gets closer	The battery is running out
NO response for detecting	Check if it is set to energy saving mode

Technical Parameters

Operating Voltage	2×1.5V 7#alkaline battery
Working current	< 10mA
Static current	< 10uA
Low voltage threshold	2.5V±0.1V
Emission frequency	433MHz
Transmitting power	≤10dB
Emission Distance	≥80m(in open air)
Detection Range	8m~12m(25℃)
Working temperature	-10℃~55℃
Installation Way	Wall hanging
Installation Height	1.8~2.2m(Focus on the center of the detector)
Detection Degree	110°
Dimensions	105*40*26mm



Date: 2024.4.24

产品型号	PA-92	部件名称	英文说明书
设计		材料	70g书写纸 (正反印)
品号		成品尺寸	54*85mm
工艺	单黑 正反印		

注：印刷尺寸：216*85mm