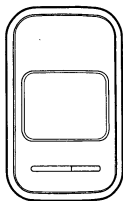# Manual

Wireless PIR detector P819

Features

P819 wireless PIR detector adopt digital infrared dual-core fuzzy logic control processing technology and intelligent analysis algorithms, distinguish interference signals with human motion signals to prevent false alarms effectively. Built-in helical high frequency antenna, longer launch distance, environmental saving, reliable, easy to install and so on.
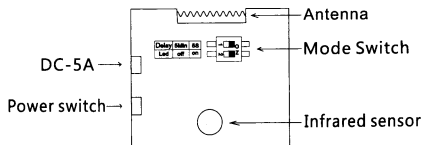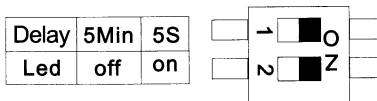
Appearance

Pilot lamp

LED lamp flash one time: alarm
LED lamp long bright: Under voltage tips, please change new batteries

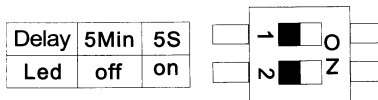## Operation

Mode set

Switch to 5S/on, detector work normal, interval time is 5 seconds and the LED lamp light up, as picture 1:

Delay	5Min	5S
Led	off	on

Picture 1

Switch to 5Min/off, detector work power saving, interval time is 5 minutes and the LED lamp don't light up, as picture 2:

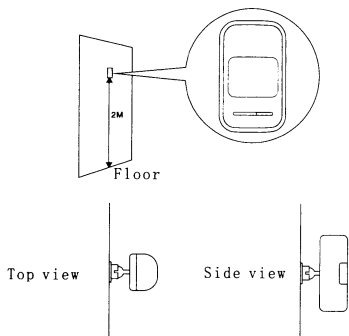| Delay	5Min	5S
Led	off	on

Picture 2

Installation

Installation location need to avoid the place temperature changing fast and air flowing fast like window, air conditioning, fluorescent lamp, electric heating, fridge, stove and so on.

Don't install two detectors in same place to avoid interference with each other.

Floor

Top view   Side view

Fix detector to bracket, adjust the angle of detector and the mounting height of bracket. Mounting 2 meters from floor is best.
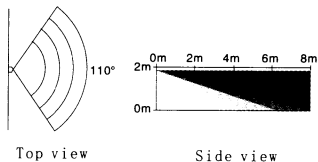
PIR motion detector is more sensitive for lateral movement than longitudinal movement, please install the probing direction perpendicular to the walking direction of the human.

Test

A. Finished installing, switch power to the ON position, walking in the detecting range (from left to right or otherwise) and observe whether pilot lamp work normal.

B. LED lamp flash one time when detect people movement.

C. Adjust angle of detector to best detection range

Detection range

Top view   Side view

Technical Parameters

Power: DC5V Adapter or 3AAA batteries

Standby Current: ≤50uA

Alarm current: ≤20mA

Detection range: 8M/110°

Wireless distance: ≥150m in open area

Frequency: 315mhz/433nhz ± 75khz

Material: ABS plastic

Working humidity: ≤ 80% (No condensation)

Detector size: 67*50*106mm

Bracket size: 52*29*27mm