

MC-535R Wireless Motion Detection User Manual

1. Introduction

MC-535R is a PIR intruder detector for indoor use. It adopts precision cylindrical FRESNEL lens, can effectively improve energy saving, with high sensitivity and free of false alarm. By using advanced patented software, it can identify the real intruder and other interference factor which may result in false alarm. Pulse counting can be adjustable. It is widely use in various indoor applications, Built-in big capacity lithium battery, power-save mode, Its working life is up to 2 years or above.

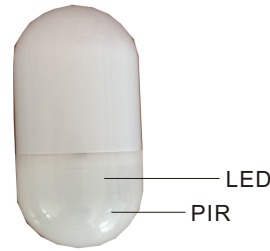


Fig.1 Appearance

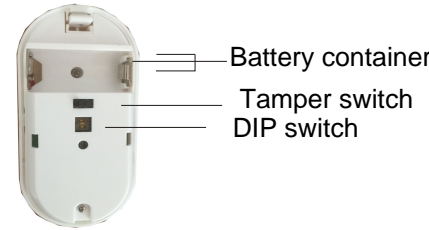


Fig.2 Internal Structure

2. Specifications

Model:MC-535R

Detection range: 12m/25°C

Emitting distance:>100m(in the open air)

Power supply:3 VDC lithium battery

Quiescent current:<25µA

Max.alarm current:<15mA

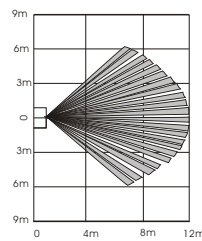
Infrared part e.g right picture

Infrared area: 12×4

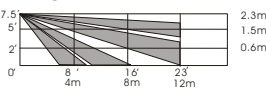
Max.coverage area: 12m*12m (39*39inches) / 90°

Emitting frequency:868MHZ

Alarm indication: LED flashes 2-3 seconds



Wall mounting wide angle lens view



Side view

Installation:

- 1.Wide angle installation:12M*12M detection angle 90 degree
- 2.Installation height:2.0-2.5m

Operation condition:

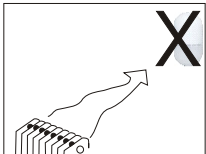
Operation temperature:-10°C~60°C (<95%RH

Storage temperature:-20°C~60°C (-4°F~140°F)

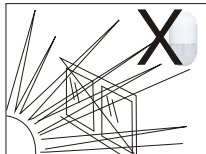
Size: 95(L)*45(W)*36(H)mm

3. Installation

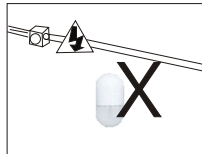
3. 1 Notes



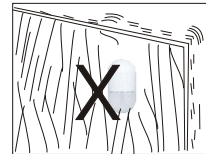
Don't face cold or heat directly



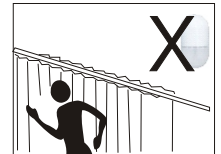
Don't face the sun-shine directly



Don't install near electric cables



Don't install on a unstable base



Don't face metal wall

3. 2 Installing steps



① Use the screwdriver to open the top and then install



② Put the battery inside according to correct polarity.

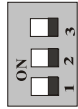
③ Close the bottom cover, stick on the wall via 3M tape

3. 3 、Change battery:

When the detector low battery, it will send signal to alarm panel, user should change new battery.



3.4 DIP switch function:

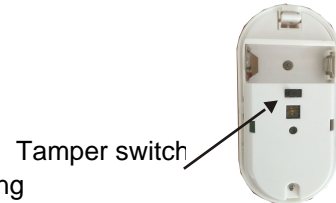


- DIP 1: Adjust sensitivity OFF--high ON--low
- DIP 2: Alarm delay OFF--5 seconds delay ON-- 5 minutes delay
- DIP 3: LED control OFF/ON

4. Coding method between detector and panel:

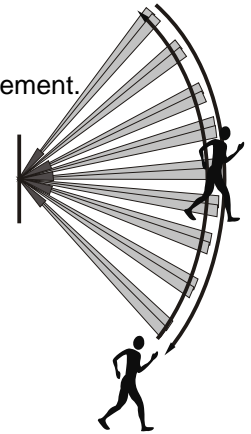
Coding setting:

- ① Set the detector as normal mode, place the battery and LED will flash seconds, set the panel as coding mode (panel coding setting pls refer to panel manual), within 3 seconds when press the confirm key of the panel Wave hand near the front side of detector, it will send a alarm signal to the panel, if the panel sounds a response then code successfully.
- ② Enter the address number to code with panel, set the panel as manual coding mode and enter the 9-digit address number, this method is much better.



5. Walking test in coverage area:

- ① Set the detector as test mode to proceed walk-test. pulse count set as 1,2 or 3 as per requirement.
- ② Walk across the far edge of coverage area at the speed of 1step/second (about 0.75m/s) The LED will flash for seconds then alarm (see the right figure).
- ③ Do walk-test in opposite direction to confirm the boundary of both sides. Make sure the detection centre pointing to the centre of protected area.
- ④ Make sure the detection centre at the proper place, should properly adjust the detection area if you can not get an ideal detection area.
- ⑤ After adjust the detection angle, should re-do walk test as above.
- ⑥ Please change test mode to normal mode after walk test.



6. Customer Service

Our products are very reliable, but for some special reasons, the working performance will be limited in certain range, we here list some cases as below:

1. The panel voltage of control panel is not stable.
2. Low voltage of the detector

For any help please contact with our company and you could visit our website for more information



Warning: We are not responsible for the problem caused by improper operations by user!