MC-565R Wireles Motion Detector User Manual

1.Introduction

MC-565R 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.

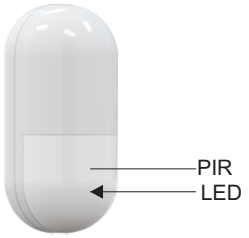


Fig.1 Appearance

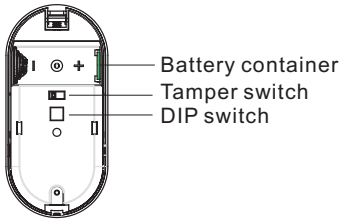
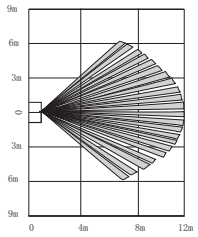


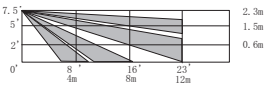
Fig.2 Internal Structure

2.Specifications

Model:MC-565R
Maximum detection distance: 12m/25℃
Emitting distance: 120m (in the open area)
Working voltage: DC3V, 1*CR123A lithium battery
Working current: ⩽15mA
Quiescent Current: ⩽20μA
Infrared section (as shown at right)
Optical lens data sheet
Infrared area: 12 × 4 (typical)
Maximum coverage: 12m * 12m (39 * 39 feet) / 90 °
Emitting distance : 433/868MHz
Alarm indication: The LED indicator is on for 2 seconds.
Heartbeat report: Send heartbeat report once at short intervals, the interval time ⩽ 3H



Wall mounting wide angle lens view



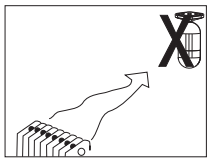
Side view

Installation:
Installation way: Wall mounting
Installation height: 1.8 ~ 2.5M, no angle between the back cover and the wall

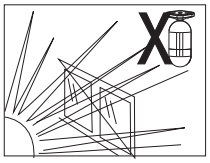
Operation condition:
Operation temperature:10℃~60℃ < 95%RH
Storage temperature:20℃ ~60℃ (4℉ ~140℉)
Size: 108(L)*58(W)*40.5(H)mm

3.Installation

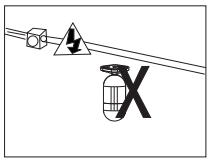
3.1 Notes



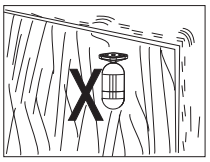
Don't face cold or heat directly



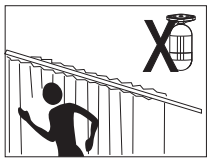
Don't face the sun -shine directly



Don't install near electric cables

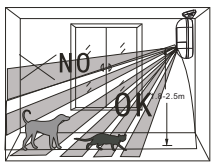


Don't install on a unstable base

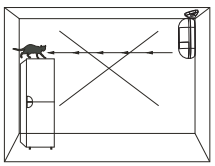


Don't face metal wall

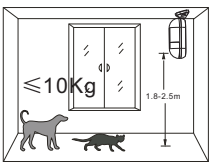
3.2 Pet-immunity Manual



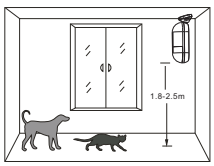
The upper part of the detection area is non pet-immunity area



Never face the detector to the level that pets can reach



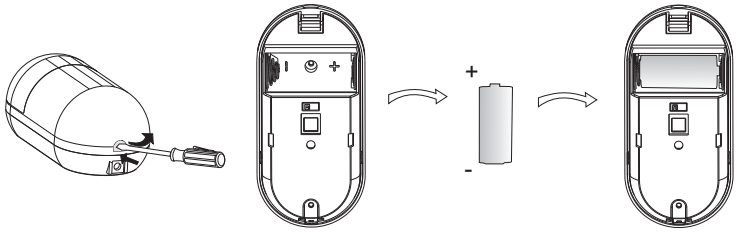
Pet immunity:<10Kg pets



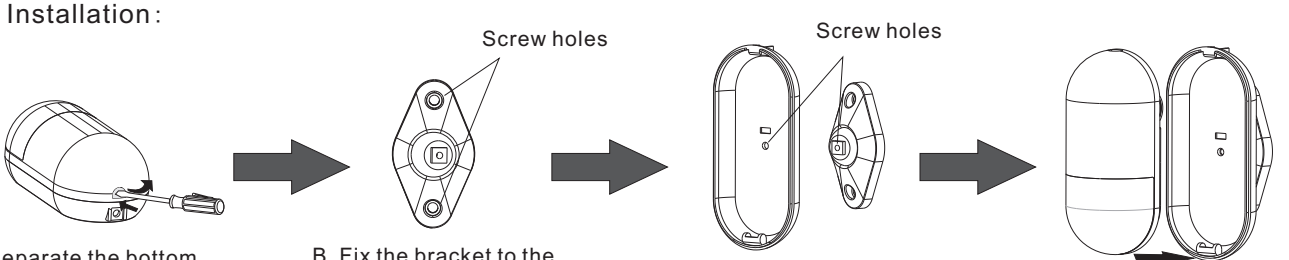
Pet-immunity installation height 1.8-2.5m

3. 3 Change battery:

When the battery of detector is low, the detector will send out the corresponding signal to the alarm panel, then the customer should buy the new battery in order to replace in time.And use a flat-blade screwdriver to light the top groove, pull the bottom cover out and remove the bottom cover. After you remove the bottom cover,you replace the battery according to the polarity of the battery cell.(Like right figure)



3. 4 Installation:



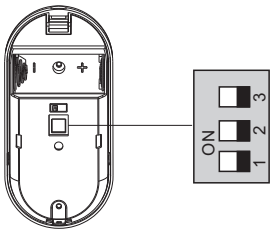
A. Separate the bottom shell from the face cover

B. Fix the bracket to the mounting position with screws

C. Align the bottom shell and the bracket, then nail the screw on the screw holes.

D. Close the face cover

4. DIP switch function description



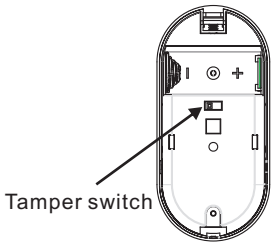
Switch serial number	0N	0FF
1	Low sensitivity	High sensitivity
2	Alarm delay 5 minutes	Alarm without delay
3	LED is on	LED is off

5. Coding method between detector and panel:

Coding setting:

①Set 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.

②Enter 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.



6. Walking test in coverage area:

①Set the detector as test mode to proceed walk-test. pulse count set as 1,2 or 3 as per requirement.

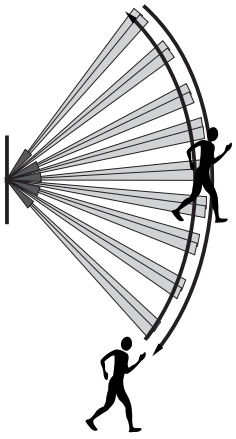
②Walk accross the far edge of coverage area at the speed of 1step/second (about 0.75m/s). The LED will flash for seconds then alarm(see the right figure).

③Do walk-test in opposite direction to confirm the boundary of both sides.Make sure the detection centre pointing to the centre of protected area.

④Make sure the detection centre at the proper place,should properly adjust the detection area if you can not get an ideal detection area.

⑤After adjust the detection angle, should re-do walk test as above.

⑥Please change test mode to normal mode after walk test.



7.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!