

User Manual

Wireless motion detector BP-WPIR01-868



Enjoy it.

1. Introduction

BP-WPIR01-868 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.

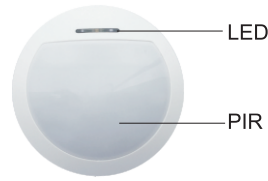


Fig.1 Appearance

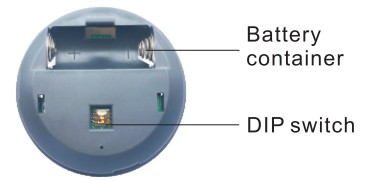
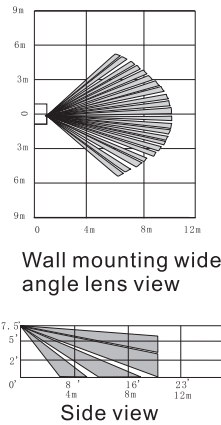


Fig.2 Internal Structure

2. Specifications

Model: BP-WPIR01-868
 Maximum detection distance: 10m/25°C
 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: 33, 5
 Maximum coverage: 10m * 10m (32 * 32 feet) / 90°
 Emitting distance: 433/868MHz (Optional)
 Alarm indication: The LED indicator is on for 2 seconds.
 Heartbeat report: Send heartbeat report once at short intervals, the interval time ≤3H

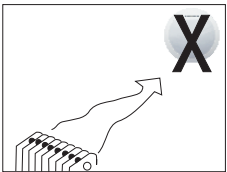


Installation:
 Installation way: Wall mounting
 Installation height: 1.8 ~ 2.5M, no angle between the back cover and the wall

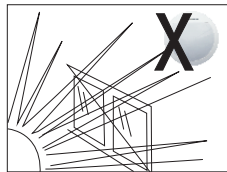
Operation condition:
 Operation temperature: 10°C ~ 60°C < 95%RH
 Storage temperature: 20°C ~ 60°C (4°F ~ 140°F)
 Size: (Ø)59*27mm

3. Installation

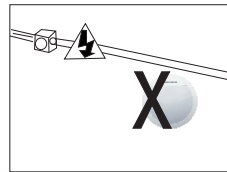
3.1 Notes



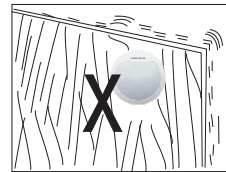
Don't face cold or heat directly



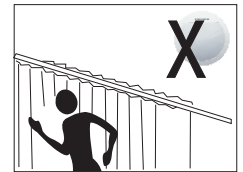
Don't face the sunshine directly



Don't install near electric cables

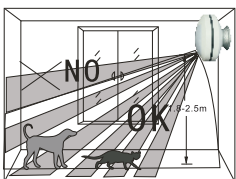


Don't install on a unstable base

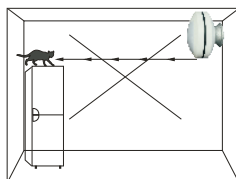


Don't face metal wall

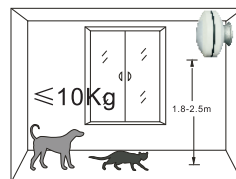
3.2 Pet-immunity Manual



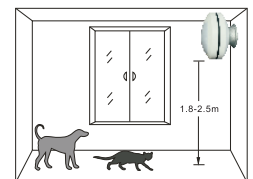
The upper part of the detection area is non-immunity area



Never face the detector to the level that pets can reach



Pet immunity: <10kg pets



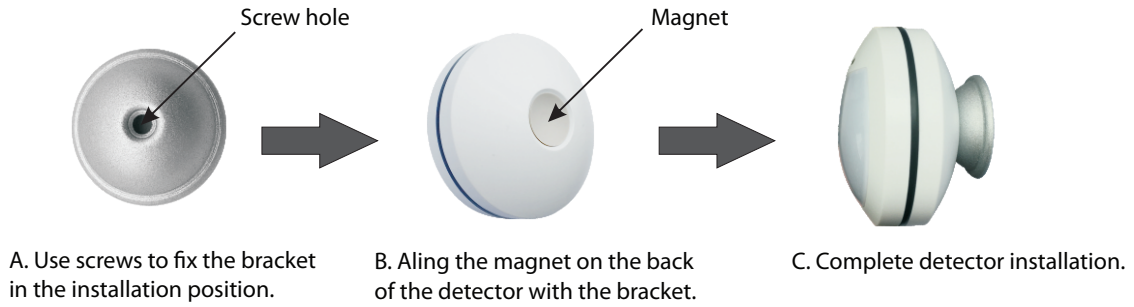
Pet immunity installation height: 1.8 - 2.5m

3.3 Change battery

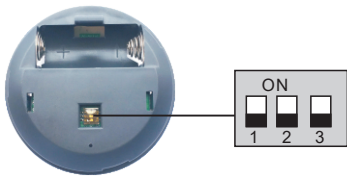
When the battery of detector is low, the detector will send out the corresponding signal to the alarm panel, then the customer should buy the new battery in order to replace in time. Rotate the detector bottom cover counterclockwise, remove the detector bottom cover, and replace it with a new battery according to the polarity indicated in the battery slot (as shown in the right figure)



3.4 Installation



4. DIP switch function description



Switch serial number	ON	OFF
1	Low sensitivity	High sensitivity(default)
2	Alarm delay 5 minutes	Alarm delay 5 second(default)
3	LED is on(default)	LED is off

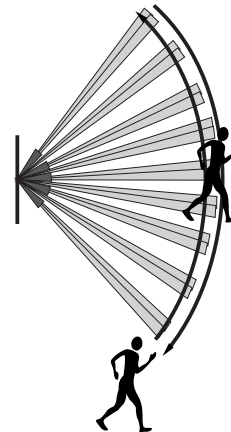
5. Coding method between detector and panel

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 fron 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.

6. 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 1 step/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. After passing the test, be sure to set the alarm delay to 5 minutes mode, otherwise it will affect the battery life.



7. Customer service

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

For Inquiries, Please contact:

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