封面

Motion Sensor User Manual

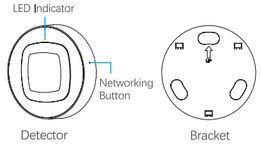
Product model：ZBXMS-1

•Please read the user manual carefully before operation.
The guide picture is for reference only, please in kind prevail.

1 Product Introduction

The smart motion sensor adopts ultra-low power Zigbee wireless technology, with low power consumption, high security, interconnection and other characteristics. Automatic threshold adjustment technology is used to enhance the stability of the sensor, which can effectively prevent the sensor from reporting alarm falsely. Using automatic temperature compensation technology can effectively prevent the sensitivity from decreasing due to temperature changes. When the gateway is in the armed state, the motion sensor detects the movement of a person, it will send alarm signal to gateway, and gateway will send the alarm signal to mobile phone immediately.

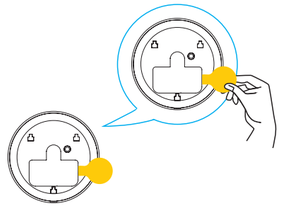
2 Illustrations



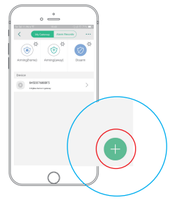
3 Technical Parameters

1.Operating Voltage：DC3V (CR123A/CR17335x1)
2.Detection Distance: ≤9m
3.Detection Angle：90 degree
4.Networking Mode：Zigbee
5.Wireless Networking Distance：≤100m（open area）
6.Working Environment：-10℃ ～ +50℃
7.Working Humidity：≤ 95% (no condensation)
8.Battery Life：2 years（According to actual use,Battery life may be shortened）
9.Pet Protection level: 11Kg or less
10.Dimension：Φ80mm x H28.5mm

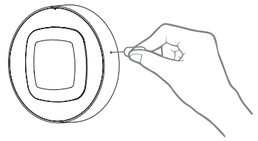
4 Networking



• Remove the insulating strip to electrify the device, the device will enter into warm-up state, then red LED flashes for 30 seconds and goes off, warm-up is finished.



• Open SmartZone APP and enter into gateway, then tap "+" to add Motion Sensor according to the instructions.



• Add device: according to the instructions in APP, press and hold the networking button for 2 seconds,until the green light flashes,indicating that device is added to gateway successfully.

• Delete device: press and hold the networking button for 5 seconds,until green light keeps on for 2 seconds and flashes 6 times,indicating that device is deleted from gateway successfully.

5 LED Status Description

LED	Status
Green	1.Green LED flashes quickly(5 times per second), when the sensor is being added to gateway. 2.Green LED keeps on for 2-3 seconds, when adding is successful. 3.Green LED flashes slowly for 6 times(twice per second), when adding is failed.
	Green LED flashes slowly for 6 times, when device is deleted from gateway successfully.
Red	Red LED flashes once, when human body movement is detected.

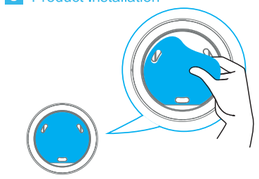
6 Sensor Detection Mode Description

When the sensor is powered on, the sensor enters warm-up state, the red LED will flash for 30 seconds, After the warm-up ends, the sensor enters test mode, in the test mode,the detection interval is 1 minute, 20 minutes later, the sensor automatically enters the power-saving mode,in the power-saving mode, when the sensor detects the movement of human body, it will be able to detect movement again after no movement is dectected within the detection area for over 1 minute. If human body is moving continuously within the detection area,the sensor will not enter detection state.If you need to enter the test mode again, remove the sensor battery, wait for 1 minute and then reinstall it to enter test mode.

7 Installation Precautions

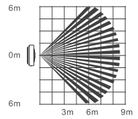
1.This product is for indoor use only.
2.When installing, note that the LED shoud face upwards.
3. Avoid to install the sensor outdoors, or in places with pets, or near air-conditioners, heat source, rotating obejects, or in places with direct sunshine.
4.The installation surface should be solid without vibration.
5.Please install the sensor in places where an intruder may pass easily.

8 Product Installation



• Paste the sensor in the proper area after removing double-side tape on the bracket.

9 Detecting Area



• Top View

• Side View

10 Warranty

1. From the date of product purchase, provide free warranty and lifetime maintenance service within one year. One year later, the repairs and replacements will be charged a certain amount of cost.
2. Within one week after the sale, due to product quality problems that seriously affect the use, return can be made, but the appearance of the product must be guaranteed without any damage and the package is complete.
3. The following product damages or other causes caused by noncompany factors are not included in the company's free maintenance.
a. Incorrect installation.
b. Voltage mismatch.
c. Improper use due to failure to follow the instructions.
d. Repairs or changes not authorized by the company.
e. Did not provide proper working environment.
f. Damage to the product due to secondary transportation by the user.
g. Force majeure factors such as natural disasters (lightning strikes, earthquakes, tsunamis, etc.) and accidents.

Notes:
•The pictures shown are for reference only.
•As the technology is constantly updated, if actual operation is inconsistent with the user manual, the final interpretation rights is reserved to the manufacturer.

Shenzhen Heiman Technology Co., Ltd.
URL:www.heimantech.com
Address:Heiman Industrial Park,No.84 Fuqian Road,Yuexingwei Community, Guanlan,Longhua District,Shenzhen,China.
Hot Line:+86-755-84193920 +86-755-84193951

尺寸：420*60mm 折后尺寸：60*60mm
材质：80g书纸，正反面彩色印刷

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.