

PIR Motion Sensor
User Manual

Product Introduction

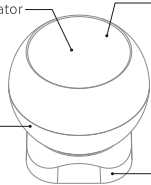
Equipped with high-sensitivity PIR infrared technology, this sensor delivers accurate motion detection within an 8m range and 90° wide angle. Built for versatility, it features 360° flexible mounting, low-power 3V CR123A battery operation with low-voltage alerts.
* A Zigbee hub is required.
*The Z2MQTT is required to realize the adjustable sensitivity and illuminance functions of the product.
*This product is for indoor use only.

Status indicator

Fresnel lens

Rear cover

Magnetic base

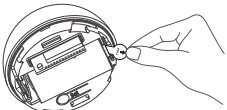


Connect to Network

1. Power on the product.

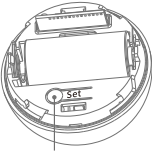


Rotate the battery cover anticlockwise to open.



Remove the battery insulation sheet to power on the product. The red LED will flash slowly during self-check.

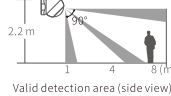
2. Press the reset button for 5 seconds and release, and the green LED will flash for network setup.



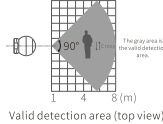
Press the reset button for 3s then release.

Installation

1. Installation Position: Install the product in areas where human movement is likely to be detected. It is recommended to mount the product approximately 2.2 meters above the ground, as shown in the figure below."



Valid detection area (side view)



Valid detection area (top view)

(1) Ensure that there are no obstacles in front of the sensor lens, as they may affect detection accuracy.
(2) The wireless communication distance between the detector and the gateway may be reduced by physical obstructions such as walls."

Install the product away from sources of temperature fluctuation, such as air conditioners, fans, refrigerators, and ovens. Avoid direct sunlight exposure to ensure accurate performance.

Toxic or Hazardous Substances or Elements of this Product

Component Name	Toxic or Hazardous Substances or Elements									
	Pb	Hg	Cd	Cr ⁶⁺	PBBS	PBDEs	DEHP	BBP	DBP	DIBP
LED	○	○	○	○	○	○	○	○	○	○
PCB	○	○	○	○	○	○	○	○	○	○
Cover and other components	○	○	○	○	○	○	○	○	○	○

This table complies with SJ/T 11364.
Q: indicates that the toxic or hazardous substance amount contained in all homogeneous materials of a component does not exceed that stipulated in GB/T 26572.
X: indicates that the toxic or hazardous substance amount contained in at least one of the homogeneous materials of a component exceeds that stipulated in GB/T 26572.



Specifications

Model: MIR-SO100
Wireless Protocol: Zigbee
Working Voltage: DC 3V
Operating Temperature: -10°C ~ +55°C
Operating Humidity: 5%~95% RH
Battery: CR2032
Transmission Frequency: 2.4 GHz
Dimensions: 50 x 50 x 15.8 mm(1.96 x 1.96 x 0.62in)

Email: support@mirsz.cn
Manufacturer: Shenzhen Multi IR Technology Co., Ltd
Address: 1st, 5th, 6th, 7th Floor, Building B, No. 8 North District, Shangxue Technology Park, Xinxue Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China

Made in China





website: www.multi-ir.com

说明书
二维码

扫码二维码查看说明书

Warranty

ANGELSHEEL warrants to the original purchaser that this product, under normal use and service, will be free from defects in materials and workmanship for a period of two (2) years from the date of original retail purchase.

To make a warranty claim, the purchaser must provide proof of the original purchase receipt. This warranty is not transferable and is valid only for the original purchaser.

This warranty does not cover:
- Damage resulting from accident, misuse, abuse, neglect, unauthorized modifications, or improper installation.
- Products used for commercial or rental purposes.
- Normal wear and tear, including batteries.
- Damage caused by acts of nature (such as fire, flood, lightning, earthquake, or other natural disasters).
- Consumable parts, such as batteries, unless failure has occurred due to a defect in materials or workmanship.

The sole responsibility of ANGELSHEEL under this warranty is limited to, at its option, the repair or replacement of the defective product or component with functionally equivalent product or component. Such repair or replacement will be provided without charge for parts and labor.

This warranty does not cover, and ANGELSHEEL will not be liable for, any shipping, handling, or transportation costs incurred in connection with the warranty service. ANGELSHEEL shall not be liable for any costs associated with the removal or reinstallation of the product, or for any direct, indirect, incidental, special, or consequential damages of any kind resulting from the use or inability to use the product.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. To obtain warranty service, please contact our Customer Support team at support@mirsz.cn

WARNING

1. This product is NOT a toy. Please keep out of reach of children.
2. This product is suitable for indoor use only. DO NOT use outdoors.
3. DO NOT place this product near heat sources.
4. DO NOT attempt to repair this product by yourself without professional authorization.
5. This product is only suitable for improving the entertainment, convenience of your home life and reminding you about the device status. If a user violates the product use instructions, the manufacturer will NOT be liable for any risks and property losses.

 Cautions

1. Risk of explosion if the battery is replaced by an incorrect type.
2. Dispose of used batteries according to the instructions.
3. Do not ingest battery, Chemical Burn Hazard.
4. This product contains a coin / button cell battery. If the coin / button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
5. Keep new and used batteries away from children.
6. If the battery compartment does not close securely, stop using the product and keep it away from children.
7. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
8. Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.

9. Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas.
10. A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.
11. Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.
12. Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas.
13. A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.
14. The equipment is only suitable for mounting at heights ≤ 2 m.

FCC Compliance Statement

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.
(2) This device must accept any interference received, including interference that may cause undesired operation.

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 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: (1) Reorient or relocate the receiving antenna. (2) Increase the separation between the equipment and receiver. (3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. (4) Consult the dealer or an experienced radio/TV technician for help.

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

*RF warning for Mobile device:
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.