Hangzhou Zhiyi Internet Of Things Technology ZY-M100-1 Micro Motion Sensor User Manual

ZY-M100-1 Micro Motion Sensor
Product ManualV1.1

Contents

Product Function

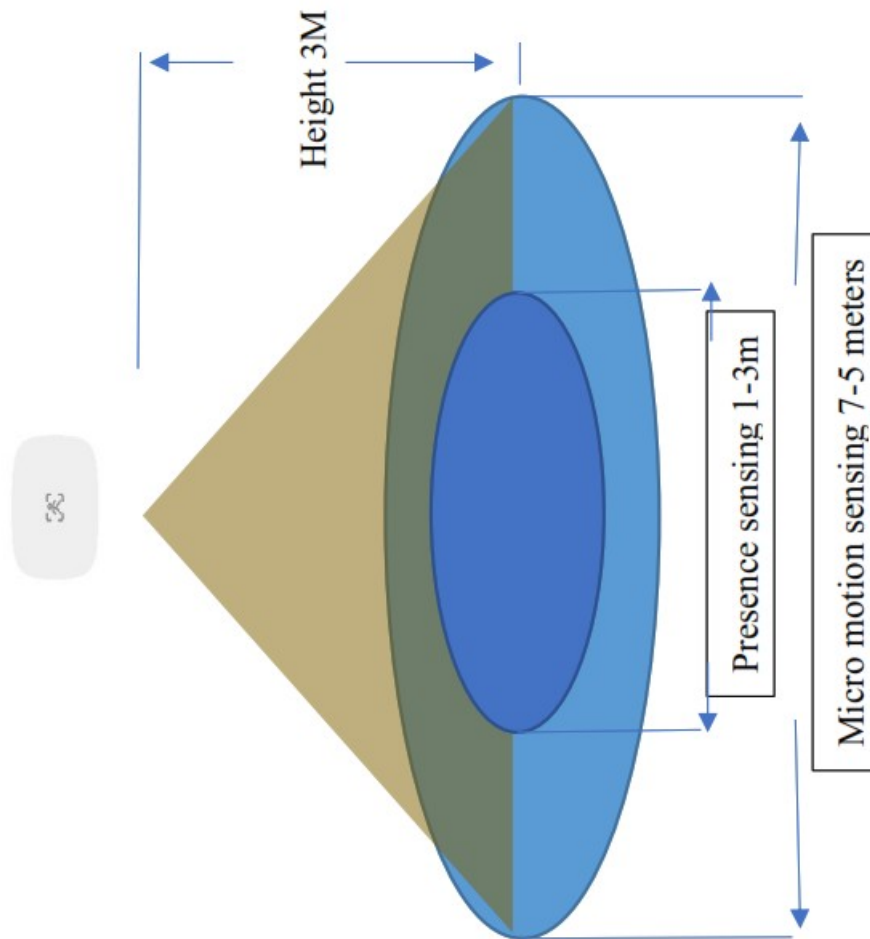|	
■ Fretting detection It can detect small movements, such as hand lifting, hand flicking, hand turning, etc.	Presence detection It can detect the human body standing still, squatting still, sitting still and other static states.
■ Motion detection It can detect walking, trotting, fast running, circling, jumping and other movements.	■ Distance measurement The target distance measurement function can accurately filter targets outside the area.
■ Illuminance detection Detectable illuminance value	■ Log query It can query the records of human existence and illumination change
■ Adjustable parameters Various parameters such as detection distance can be set through app.	■ Fault detection Equipment fault information can be self checked through app

Application Area

ZY-M100 micro motion sensor can be widely used in lighting, security, home appliances, hotels, garages, buildings, transportation.

1. "Inching" detection area: it can detect inching (small actions such as leaning head, waving, raising hands, light start, turning books, slightly tilting left and right, back and forth), movement (walking, trotting, fast running, turning, high jump and other movements), existence (standing still, squatting still);

2. "Presence" detection area: it can detect the human body in static state, such as standing still, squatting still, sitting still, etc.

   Detection area (related to installation height and sensitivity parameters);

   • existing detection radius: 1 ~ 3M

   • fretting detection radius: 5 ~ 7M

Installation

1. Distribution network

   The sensor is powered by 12V and connected with the power adapter. The indicator light of the sensor will be on for 1s and then flash slowly, indicating that the power on is successful. The distribution network button is in the bottom cover. Open the cover and you can see a reset button. Press and hold the reset button for more than 6S until the indicator light flashes and enter the ZigBee distribution network.

2. Installation

   Use the clips on both sides to install on the ceiling gypsum board.

FCC Warning:
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 againstharmful interference in a residential installation. This equipment generates, uses and can radiateradio frequency energy and, if not installed and used in accordance with the instructions, maycause harmful interference to radio communications. However, there is no guarantee thatinterference will not occur in a particular installation. If this equipment does cause harmfulinterference to radio or television reception, which can be determined by turning the equipmentoff and on, the user is encouraged to try to correct the interference by one or more of thefollowing 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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

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 and your body.

Documents / Resources

ZY-M100-1 Micro Motion Sensor Product ManualV1.1	[**Hangzhou Zhiyi Internet Of Things Technology ZY-M100-1 Micro Motion Sensor**](#) [pdf] User Manual ZY-M100-1, ZYM1001, 2A9VV-ZY-M100-1, 2A9VVZYM1001, ZY-M100-1 Micro Motion Sensor, ZY-M100-1, Micro Motion Sensor, Motion Sensor, Sensor