Haozee ZG-PIR

Haozee Smart Motion Sensor User Manual

Model: ZG-PIR

PRODUCT OVERVIEW

The Haozee Smart Motion Sensor (Model: ZG-PIR) is a versatile device designed for smart home environments. It combines Passive Infrared (PIR) motion detection with an illuminance sensor, allowing for comprehensive monitoring of your space. This battery-powered sensor offers high sensitivity and real-time detection capabilities, making it an essential component for home security and automation.

Front view of the Haozee Smart Motion Sensor, showing the PIR lens and indicator light.

Key Features:

- **2-in-1 PIR + Lux Sensor:** Detects both motion and ambient light levels.
- **Zigbee Hub Required:** Connects to a Zigbee hub for stable signal and integration with other Zigbee devices. Supports Home Assistant and Zigbee2MQTT.
- **High Sensitivity & Real-time Detection:** Accurately detects people and animals, sending instant notifications to your mobile phone.
- **Battery-Powered & Easy Installation:** Small, portable, and can be placed in various locations without wiring.
- **Wide-Angle Detection:** Features a 105° wide-angle detection range for broad coverage.
- **Multi-functionality:** View historical detection records and create smart scenes with other connected devices.
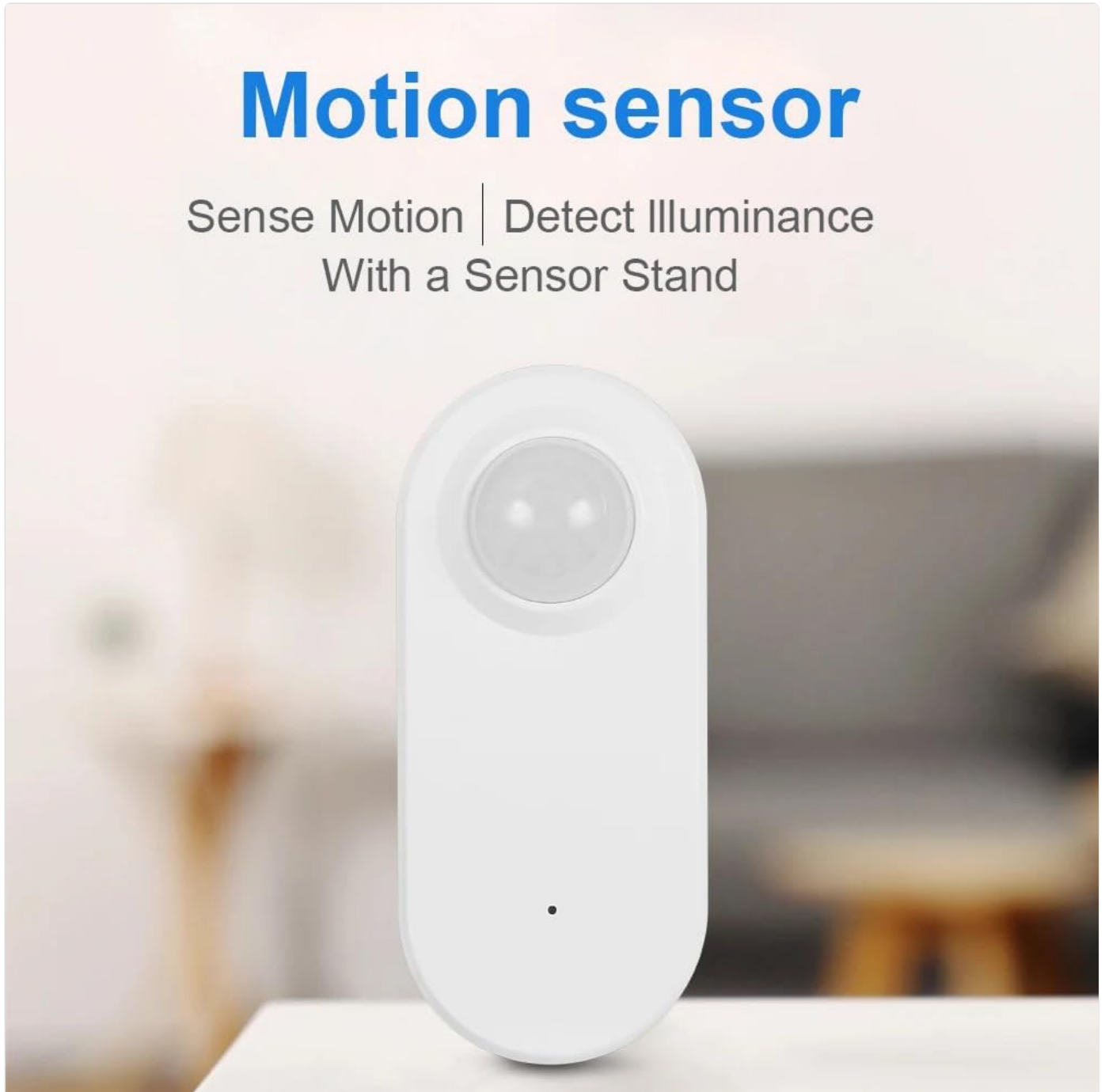
PACKAGE CONTENTS

- Haozee Smart Motion Sensor (Model: ZG-PIR)
- Mounting Bracket
- User Manual
- Adhesive Pad (for mounting)
- Screws (for mounting)

Note: 2x AAA batteries are required and not included in the package.

SETUP

1. Battery Installation

1. Gently slide off the back cover of the motion sensor.
2. Insert two AAA batteries into the battery compartment, ensuring correct polarity (+/-).
3. Replace the back cover until it clicks securely into place.

The motion sensor with its back cover removed, showing the battery compartment.

2. Pairing with Zigbee Hub

This sensor requires a Zigbee hub to function. Ensure your Zigbee hub is powered on and in pairing mode.

1. Open your Zigbee hub's application (e.g., Home Assistant, Zigbee2MQTT, Smart Life app).

2. Initiate the device pairing process within the application.

3. On the Haozee Smart Motion Sensor, press and hold the pairing button (usually a small button near the battery compartment or indicator light) for 5-7 seconds until the indicator light blinks rapidly.

4. The sensor should be discovered by your Zigbee hub. Follow the on-screen prompts in your application to complete the pairing process.

5. Once paired, the indicator light will stop blinking and remain solid for a few seconds, then turn off.
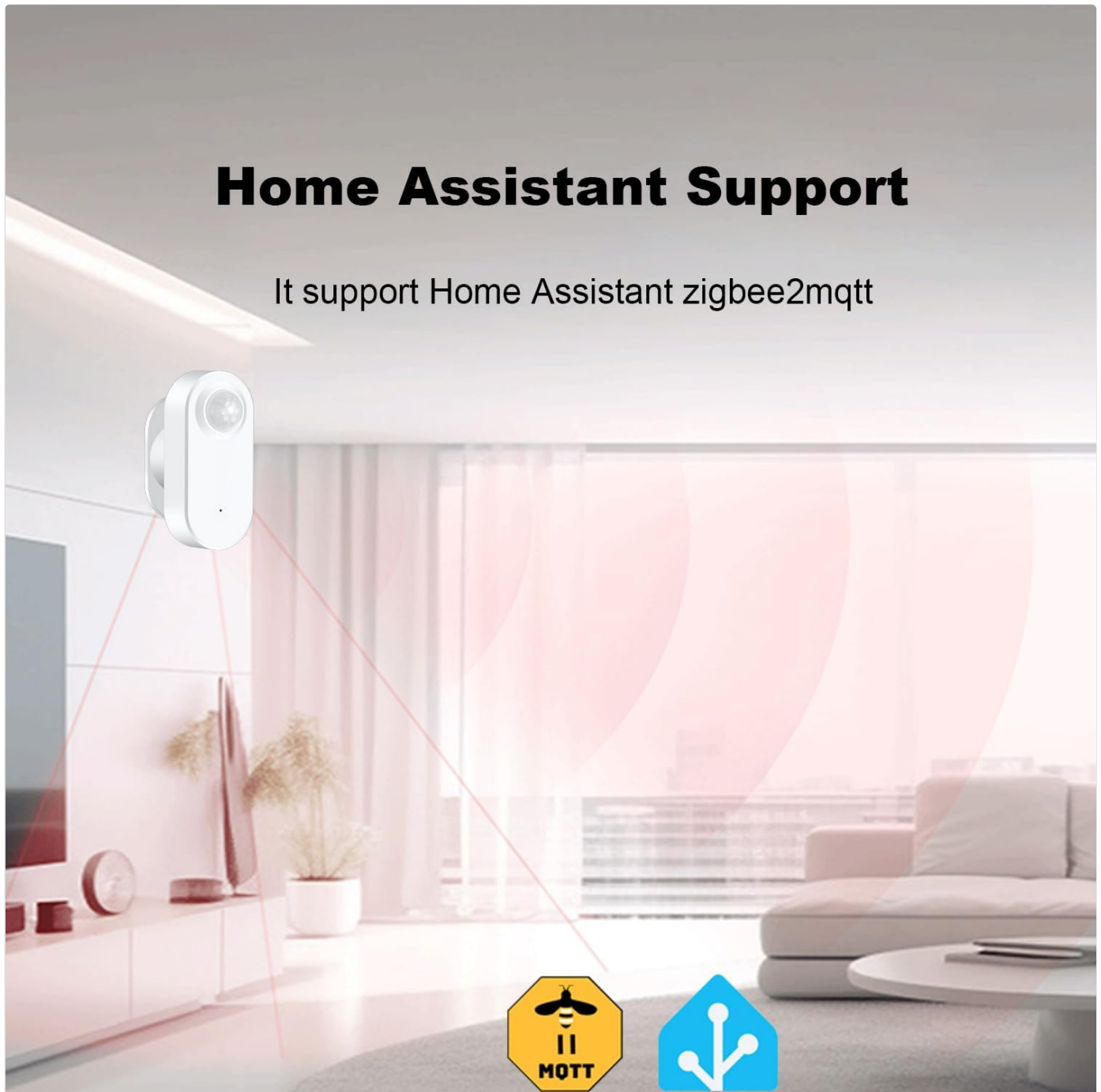

Illustration showing the motion sensor integrated with Home Assistant and Zigbee2MQTT.

3. Mounting the Sensor

The sensor can be mounted in various ways to suit your needs. Avoid aiming the device at objects with large airflow or large movements to prevent false alarms.

- **Adhesive Mounting:** Attach the adhesive pad to the back of the mounting bracket, then firmly press the bracket onto a clean, dry surface.
- **Screw Mounting:** Use the provided screws to secure the mounting bracket to a wall or ceiling.

- **Placement:** The sensor can be placed on a flat surface, side-mounted, or mounted upright. The adjustable base allows for optimal positioning.

Various installation methods for the motion sensor: side mount, flip mount, and upright mount.

Diagram illustrating the 105° wide-angle detection and 5-meter range when mounted on a ceiling.

OPERATING INSTRUCTIONS

Motion Detection

Once paired and positioned, the sensor will continuously monitor for motion within its 105° wide-angle detection area and up to a 5-meter range. Upon detecting motion, it will send a signal to your connected Zigbee hub.

Illuminance Detection

The integrated light sensor provides real-time illuminance values to your Zigbee hub, allowing for advanced automation scenarios based on ambient light conditions.

Smart Scene Automation

Leverage the sensor's capabilities to create automated routines through your Zigbee hub and smart home platform (e.g., Home Assistant, Zigbee2MQTT). Examples include:

- Automatically turning on lights when motion is detected in a dark room.
- Receiving mobile notifications when unexpected motion occurs.
- Triggering an alarm or smart camera recording upon detection.

Examples of the sensor's multi-functionality, including mobile notifications, automatic light activation, and integration with security systems.

MAINTENANCE

Battery Replacement

The sensor is battery-powered. When the battery level is low, your Zigbee hub application may notify you. Replace the batteries as described in the "Battery Installation" section of this manual.

Cleaning

Wipe the sensor's exterior with a soft, dry cloth. Do not use liquid cleaners or abrasive materials, as they may damage the device.

Optimal Placement

Periodically check the sensor's placement to ensure it remains in an optimal position for detection. Avoid areas with direct sunlight, strong air currents, or large temperature fluctuations, which can affect performance.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Sensor not pairing with Zigbee hub.	Sensor not in pairing mode; Hub not in pairing mode; Distance too far; Battery low.	Ensure sensor is in pairing mode (blinking light). Put hub in pairing mode. Move sensor closer to hub. Replace batteries.
False alarms or no detection.	Incorrect placement; Environmental factors (airflow, pets); Obstructions.	Reposition sensor away from vents, fans, or direct sunlight. Ensure clear line of sight. Adjust sensitivity settings if available in your hub's app.
Short battery life.	Frequent activations; Low quality batteries.	Reduce unnecessary activations by optimizing placement. Use high-quality alkaline or lithium batteries.
Illuminance value inaccurate.	Sensor lens obstructed; Poor lighting conditions.	Ensure the sensor's light detection area is clean and unobstructed.

SPECIFICATIONS

Brand: Haozee

Model: ZG-PIR

Color: White

Power Source: Battery Powered (2x AAA, not included)

Item Weight: Approximately 1.12 ounces (0.07 Pounds)

Product Dimensions: 1.46"D x 1.34"W x 2.87"H

Maximum Detection Range: 5 Meters

Detection Angle: 105° Wide-angle

Mounting Type: Side mount, Flip, Upright

Compatible Devices: Home Assistant, Zigbee2MQTT, other Zigbee devices (requires Zigbee hub)

Manufacturer: Haozee

UPC: 640712053262

WARRANTY AND SUPPORT

Warranty Information

Please refer to the product packaging or the official Haozee website for detailed warranty information. Typically, products come with a limited manufacturer's warranty covering defects in materials and workmanship.
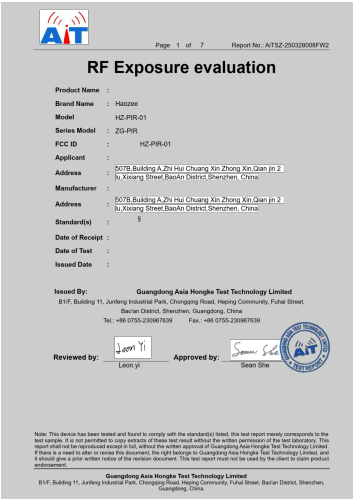
Customer Support

For technical support, troubleshooting assistance, or warranty claims, please contact Haozee customer service through the contact information provided on the product packaging or their official website. When contacting support, please have your product model number (ZG-PIR) and purchase details ready.
Visit the official Haozee Store: Haozee Amazon Store
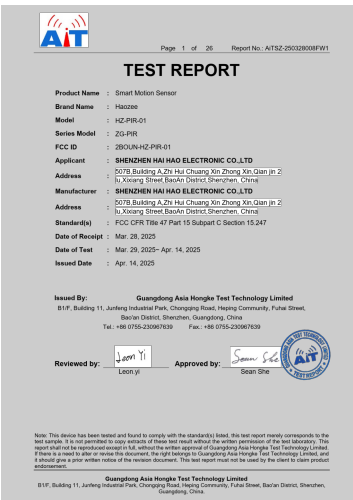
Documents - Haozee – ZG-PIR

[pdf] Test Report SAR Rating

FCC RF EXPOSURE SHENZHEN HAI HAO ELECTRONIC CO LTD HZ PIR 01 Smart Motion Sensor 2BOUN 2BOUNHZPIR01 hz pir

Page 1 of 7 Report No.: AiTSZ-250328008FW2 RF Exposure evaluation Product Name : Smart Motion Sensor Brand Name : Haozee Model : HZ-PIR-01 Series Model : **ZG-PIR** FCC ID : 2BOUN-HZ-PIR-01 Applicant : SHENZHEN HAI HAO ELECTRONIC CO.,LTD Address : 507B,Building A,Zhi Hui Chuang Xin Zhong X...

lang:en score:19 filesize: 311.19 K page_count: 7 document date: 2025-04-21

[pdf] Test Report

Measurement Report Kent FCC Test Zigbee SHENZHEN HAI HAO ELECTRONIC CO LTD HZ PIR 01 Smart Motion Sensor 2BOUN 2BOUNHZPIR01 hz pir

Page 1 of 26 Report No.: AiTSZ-250328008FW1 TEST REPORT Product Name : Smart Motion Sensor Brand Name : Haozee Model : HZ-PIR-01 Series Model : **ZG-PIR** FCC ID : 2BOUN-HZ-PIR-01 Applicant Address Manufacturer Address Standards : SHENZHEN HAI HAO ELECTRONIC CO.,LTD 507B,Building A,Zhi Hui ...

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