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Haozee ZG-PIR

Haozee Zigbee Smart PIR Motion Sensor with Illuminance Value User Manual

Model: ZG-PIR

PRODUCT OVERVIEW

The Haozee Zigbee Smart PIR Motion Sensor is a versatile 2-in-1 device designed for home security and automation. It accurately detects the presence of moving objects and measures ambient light levels, enabling intelligent scene creation and real-time alerts.





Figure 1: Hoozee Zigbee Smart PIR Motion Sensor

This sensor requires a Zigbee hub for operation, acting as a central bridge for seamless integration with other Zigbee smart devices. It offers high sensitivity for real-time detection and sends immediate notifications to your mobile phone upon detecting movement.

KEY FEATURES

- **PIR + Lux 2-in-1 Functionality:** Detects both motion and ambient illumination values.
- **Zigbee Hub Required:** Connects to a Zigbee hub for stable signal and integration with other smart devices. Supports Home Assistant and Zigbee2MQTT.
- **High Sensitivity & Real-time Detection:** Accurately detects people and animals, sending instant mobile notifications.
- **Battery Powered:** Easy to install and portable, suitable for various locations including living rooms, entrances, and damp areas.
- **Multifunctionality:** View historical detection records and create smart scenes, such as automatic light activation.

Home Assistant Unterstützung

Es unterstützt Home Assistant zigbee2mqtt



Works With
Zigbee 2mqtt



Works With
Home Assistant



Figure 2: Compatibility with Home Assistant and Zigbee2MQTT

PACKAGE CONTENTS

Please verify that all items are present in your package:

- Haozee Smart Motion Sensor (Model: ZG-PIR)
- Adhesive Pad for mounting
- Quick Start Guide (English)

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

Batterie wiederholt

Batteriebetrieben, einfacher zu installieren.



Hinweis: Batterie nicht enthalten.

Figure 3: Battery compartment and note on battery exclusion

SETUP

- Install Batteries:** Open the sensor casing (usually by sliding the top part upwards) and insert 2x AAA batteries (not included) into the battery compartment. Ensure correct polarity.
- Pairing Mode:** Press and hold the small button on the sensor for approximately 3 seconds until the red LED blinks, indicating it is in pairing mode.
- Connect to Zigbee Hub:** On your Zigbee hub's application or interface (e.g., Home Assistant, Zigbee2MQTT), initiate the device pairing process. The sensor should be discovered and connected automatically.
- Mounting:** Choose a suitable location for the sensor. It can be mounted using the provided adhesive pad or screws (not included). Consider the 105° wide-angle detection range. Avoid placing it near large airflow sources or areas with constant large movements to prevent false alarms.



Figure 4: Easy Installation and Mounting Options

OPERATING INSTRUCTIONS

Motion Detection

Once paired with your Zigbee hub, the sensor will begin detecting motion within its 105° wide-angle detection range. Upon detection, it will send a signal to your hub, triggering any configured automations or notifications.



Figure 5: 105° Wide-Angle Detection

Illuminance Value Detection

The sensor also measures ambient light levels. This data can be used by your smart home system to create advanced automations, such as turning on lights only when motion is detected AND the room's brightness falls below a certain threshold.



Figure 6: Built-in Light Sensor for Smart Lighting

Smart Scene Integration

Utilize your Zigbee hub's capabilities to integrate the motion sensor into various smart scenes:

- **Security Alerts:** Receive instant notifications on your mobile phone when motion is detected in a specific area.
- **Automated Lighting:** Turn lights on/off based on motion and/or ambient light.
- **Energy Saving:** Automate devices to turn off when no motion is detected for a period.
- **Historical Records:** Access detection logs through your smart home application.

MAINTENANCE

Battery Replacement

When the battery level is low, your Zigbee hub application may notify you. To replace the batteries:

1. Carefully remove the sensor from its mounting location.
2. Open the sensor casing to access the battery compartment.
3. Remove the old 2x AAA batteries and insert new ones, ensuring correct polarity.
4. Close the casing and re-mount the sensor.

Cleaning

To ensure optimal performance, periodically clean the sensor's lens and body. Use a soft, dry cloth. Do not use abrasive cleaners or solvents.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Sensor not pairing with hub.	Low battery; sensor not in pairing mode; hub too far; interference.	Replace batteries; ensure sensor LED is blinking; move sensor closer to hub; check for other Zigbee devices causing interference.
False alarms.	Sensor placed near large airflow (e.g., AC vent) or moving objects (e.g., curtains).	Relocate the sensor to an area free from drafts or constant movement.
No motion detected.	Low battery; sensor obstructed; incorrect placement; detection sensitivity setting.	Replace batteries; ensure clear line of sight; adjust sensor position; check sensitivity settings in your smart home app if available.
Illuminance value inaccurate.	Sensor lens dirty; sensor placed in shadow or direct light.	Clean the sensor lens; reposition the sensor to an area with representative ambient light.

SPECIFICATIONS

Brand	Haozee
Model Number	ZG-PIR
Dimensions (L x W x H)	3.7 x 3.4 x 7.3 cm (37 x 34 x 73 mm)
Weight	30 grams
Color	White
Power Source	Battery Powered (2x AAA, not included)
Mounting Type	Wall Mount
Detection Angle	105° Wide-angle

Compatible Devices	Zigbee, Home Assistant, Zigbee2MQTT
Recommended Uses	Home security, automation, energy management
UPC	640712053286

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact Haozee customer service directly. Information regarding spare parts availability is currently unavailable. For further assistance, you may also visit the [Haozee-UK seller page on Amazon](#).

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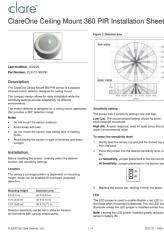
Related Documents - ZG-PIR

 Aqara Camera Hub G5 Pro (Wi-Fi) User Manual	<p>Aqara Camera Hub G5 Pro (Wi-Fi) User Manual</p> <p>Comprehensive user manual for the Aqara Camera Hub G5 Pro (Wi-Fi), detailing product features, installation, setup, indicator lights, specifications, and safety warnings. Includes AI functions, Zigbee/Thread hub capabilities, and HomeKit integration.</p>
 Manual de Usuario del Sensor de Movimiento PIR Zigbee MOES ZSS-X-PIR-C para Hogar Inteligente	<p>Manual de Usuario del Sensor de Movimiento PIR Zigbee MOES ZSS-X-PIR-C para Hogar Inteligente</p> <p>Guía completa para el sensor de movimiento PIR Zigbee MOES ZSS-X-PIR-C, incluyendo especificaciones, instrucciones de instalación, conexión a la aplicación MOES/Tuya Smart, solución de problemas, información de reciclaje y detalles de garantía. Compatible con Alexa y Google Assistant.</p>
 Hofronic PIR Motion Sensor 360° User Information	<p>Hofronic PIR Motion Sensor 360° User Information</p> <p>Discover the features and specifications of the Hofronic PIR Motion Sensor 360°, designed for efficient motion detection. This document provides details on input power, wattage, installation height, detection range, distance, time delay, and ambient light settings.</p>
 Tuya ZigBee PIR Multi-Sensor PIR313-Z-TY Quick Start Guide	<p>Tuya ZigBee PIR Multi-Sensor PIR313-Z-TY Quick Start Guide</p> <p>A quick start guide for the Tuya ZigBee PIR313-Z-TY multi-sensor, detailing its features for detecting motion, temperature, humidity, and illuminance. Includes setup instructions, installation guidance, technical specifications, and safety precautions.</p>



[JULA PIR Detector 422080, 422081: Operating Instructions and Installation Guide](#)

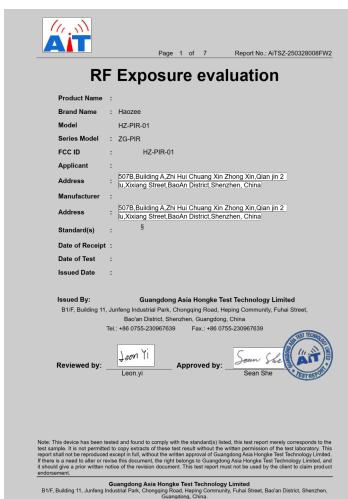
Comprehensive operating instructions and installation guide for the JULIA PIR Detector (models 422080, 422081). Learn about technical specifications, optimal placement, mounting procedures, and functional settings for motion detection.



ClareOne Ceiling Mount 360 PIR Installation Sheet

Installation sheet for the ClareOne Ceiling Mount 360 PIR sensor, a passive infrared motion detector designed for ceiling mount applications with a 360° detection range. Includes instructions on installation, sensitivity settings, LED operation, battery replacement, and regulatory information.

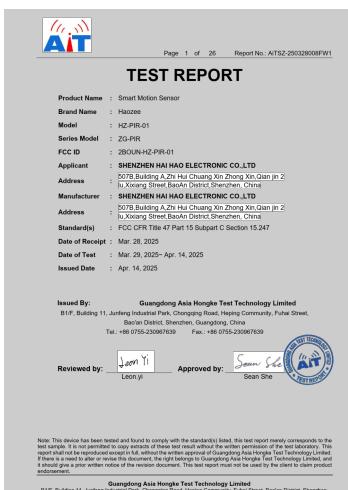
Documents - Haozee – ZG-PIR



[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



Haozee HZ-PIR-01 Smart Motion Sensor FCC Test Report

This document is an FCC test report for the Haozee HZ-PIR-01 Smart Motion Sensor, detailing compliance with FCC Part 15.247 and ANSI C63.10 standards. It includes test summaries, general information, and results for conducted and radiated emissions, power spectral density, bandwidth, and antenna requirements.

lang:en score:14 filesize: 3.07 M page count: 26 document date: 2025-04-25