Haozee HZ-Presence-Switch-Clip

Haozee Human Presence Sensor HZ-Presence-Switch-Clip Instruction Manual
Model: HZ-Presence-Switch-Clip

1. INTRODUCTION

The Haozee Human Presence Sensor HZ-Presence-Switch-Clip is an advanced smart device designed to detect human presence and absence using 24G millimeter wave radar technology. This sensor integrates with your home automation system, allowing for intelligent control of lighting and other connected devices. It operates on a 2.4 GHz Wi-Fi network and does not require a separate hub, connecting directly to the TuyaSmart or Smart Life mobile applications.
This manual provides detailed instructions for the installation, operation, and maintenance of your Haozee Human Presence Sensor to ensure optimal performance and safety.

2. WHAT'S IN THE BOX

- Haozee Human Presence Sensor
- User Manual

3. PRODUCT FEATURES

- **Human Presence and Stillness Detection:** Utilizes 24G millimeter wave radar to detect both movement and stationary presence, preventing lights from turning off when occupants are still (e.g., reading).
- **Integrated Light Control:** Can be directly wired to control lights, turning them on when presence is detected and off when the area is vacant, promoting energy efficiency.
- **No Hub Required:** Connects directly to your 2.4 GHz Wi-Fi network, simplifying setup.
- **Mobile App Control:** Compatible with TuyaSmart or Smart Life applications for remote control, scene linkage, and real-time presence monitoring.
- **Wide Detection Range:** Supports a maximum detection height of 3 meters and a maximum detection range of 6 meters with a 120° detection angle.
- **Customizable Settings:** Adjustable parameters via the app, including light value (10lux, 20lux, 50lux, 24H), light duration (3-10s), and detection distance (1.5-6m).

- **Privacy Protection:** Operates without a camera, ensuring user privacy.
- **Embedded Installation:** Designed for convenient ceiling installation.

4. SAFETY INFORMATION

WARNING: This device requires direct wiring to an AC 95-250V/60Hz power source. Improper installation can lead to electrical shock, fire, or damage to the device. Installation should only be performed by a qualified electrician or an individual with a thorough understanding of electrical wiring and safety procedures. Always turn off power at the circuit breaker before beginning any wiring work.

- Ensure the power supply is disconnected before installation or maintenance.
- Verify correct wiring connections according to the provided diagram to prevent damage to the sensor or connected devices.
- Do not expose the device to moisture or extreme temperatures.
- Avoid installing near moving objects such as curtains, plants, or pets to prevent false alarms.
- The wiring block is designed for small gauge wires. Ensure wires are cleanly and securely inserted.

5. SETUP AND INSTALLATION

5.1 Wiring Instructions

The sensor requires a continuous AC 95-250V power supply. Refer to the wiring diagram below for proper connection. Ensure all connections are secure and insulated.

Figure 5.1: Wiring diagram for connecting the sensor to an AC power source and various light fixtures. The diagram illustrates input (AC95-250V) and output (AC95-250V, 2A) terminals, showing connections for fluorescent tubes, table lamps, incandescent lights, chandeliers, and floor lamps.

5.2 Mounting the Sensor

The sensor is designed for embedded ceiling installation. The maximum recommended installation height is 3 meters. For optimal performance, avoid placing the sensor near objects that move frequently, such as curtains or large plants, as this can cause false detections.
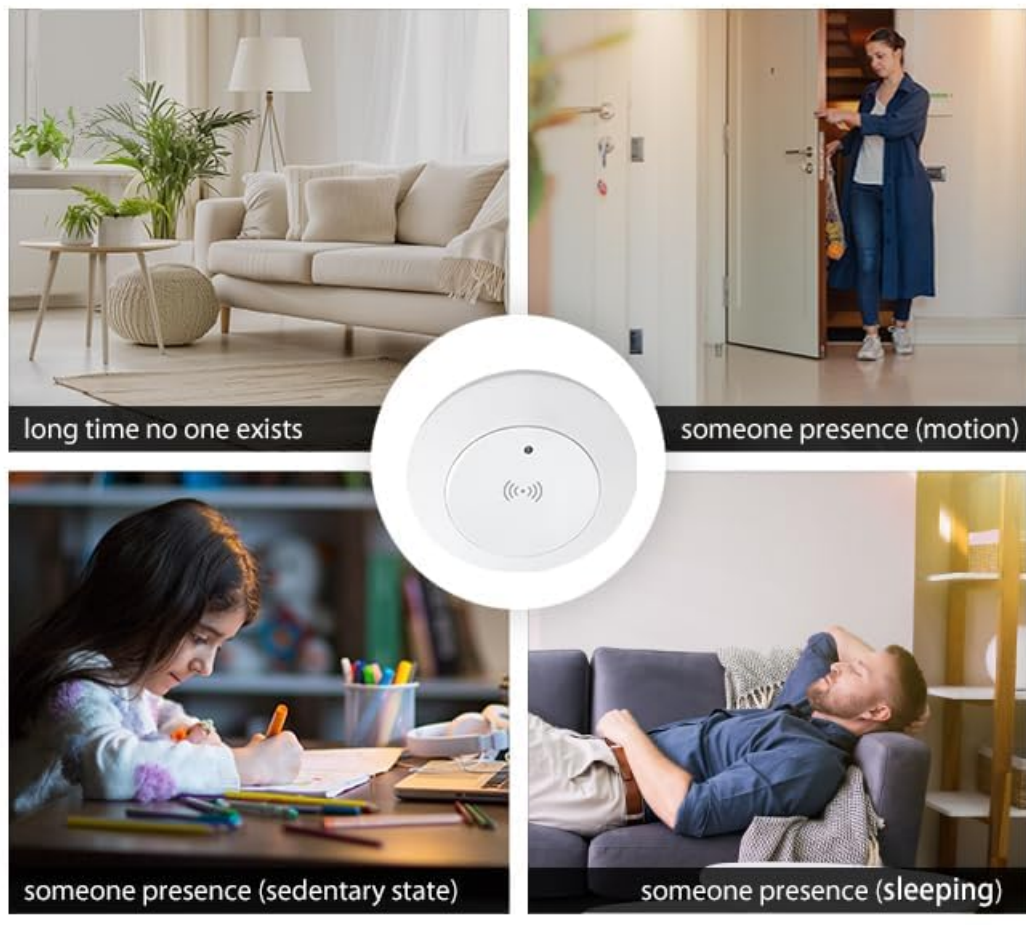
Figure 5.2: Illustration of the sensor's detection capabilities when mounted on a ceiling, showing a 6-meter detection distance and a 120-degree detection angle covering a living room area.

5.3 App Connection

The Haozee Human Presence Sensor connects directly to your 2.4 GHz Wi-Fi network. Follow these steps to connect the sensor to the mobile application:

1. Download the **TuyaSmart** or **Smart Life** app from your mobile device's app store.
2. Register or log in to your account.
3. Ensure your mobile device is connected to a 2.4 GHz Wi-Fi network.
4. Power on the sensor. The LED indicator will flash, indicating it is in pairing mode.
5. In the app, tap the "+" icon to add a new device.
6. Select the appropriate device type (e.g., "Sensor" or "Presence Sensor").
7. Follow the on-screen instructions to complete the pairing process, entering your Wi-Fi credentials when prompted.
8. Once connected, the sensor will appear in your device list, and you can begin configuring its settings.
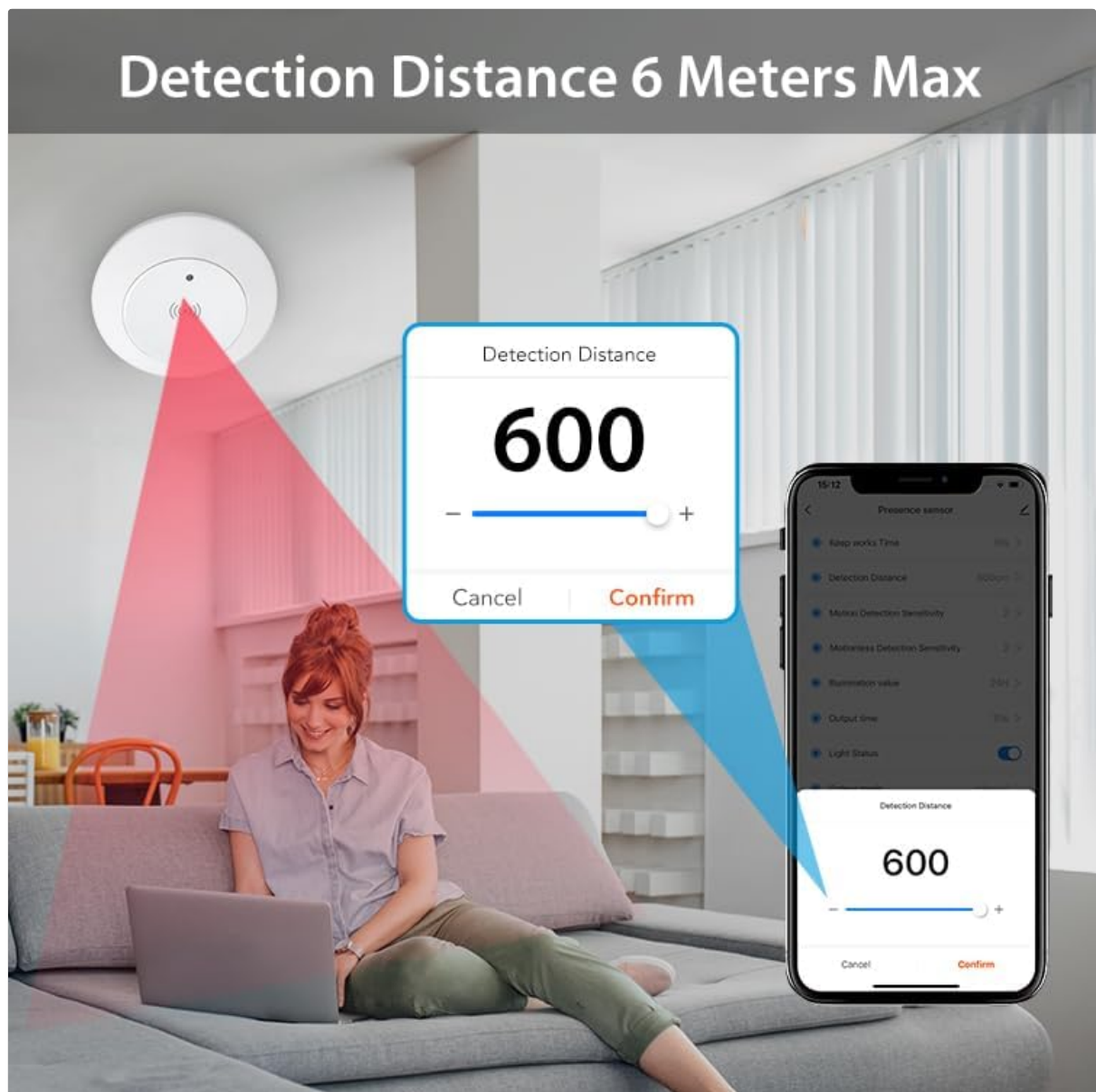
Figure 5.3: Screenshots demonstrating the mobile app interface for remote control, showing the device list, a presence alarm notification, and the presence sensor's status display with current distance and detection settings.

6. OPERATING INSTRUCTIONS

Once installed and connected to the app, you can customize the sensor's behavior to suit your needs.

6.1 App Settings

Within the TuyaSmart or Smart Life app, navigate to the sensor's settings page to adjust various parameters:

- **Detection Distance:** Adjust the maximum range for presence detection from 1.5 meters to 6 meters.
- **Illumination Value (Lux):** Set the ambient light threshold for light control. Options typically include 10lux, 20lux, 50lux, or 24H (always active regardless of light).
- **Light Duration (Presence Time):** Configure the delay (3-10 seconds) before connected lights turn off after presence is no longer detected.
- **Motion Detection Sensitivity:** Adjust the sensitivity for detecting movement.
- **Motionless Detection Sensitivity:** Adjust the sensitivity for detecting stationary presence.

Figure 6.1: App interface for setting the detection distance, showing a maximum of 600cm (6 meters).
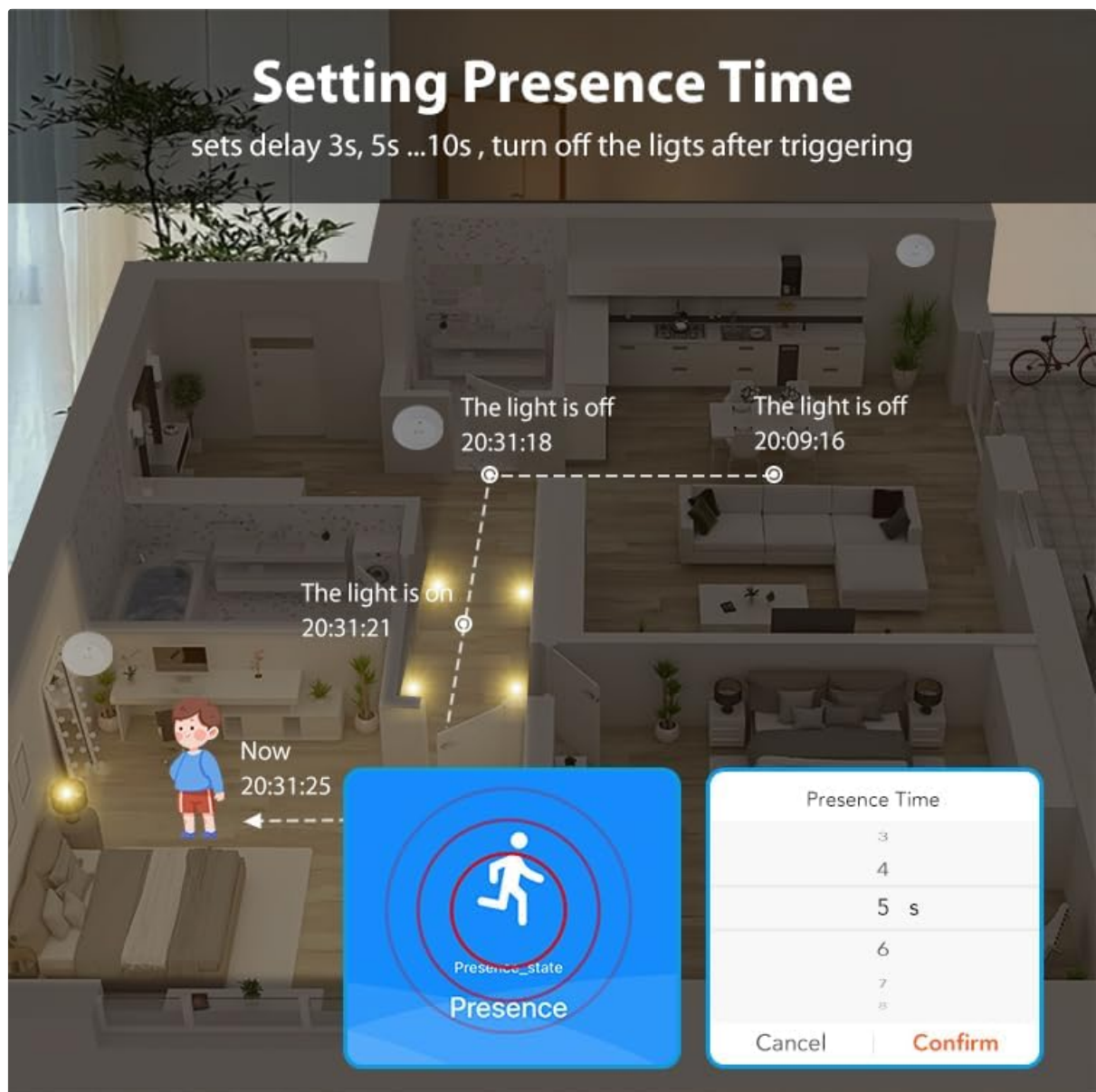
Figure 6.2: App interface for setting the illumination value (Lux) for light control.

Figure 6.3: Illustration of light automation based on presence and the app setting for presence time delay.

6.2 Output Modes

The sensor supports two output modes:

- **Automatic Mode:** The sensor automatically controls connected lights based on presence detection and configured settings (lux, duration).
- **Manual Mode:** Allows for manual override or specific scene linkages through the app, independent of automatic detection.

Figure 6.4: Example of the sensor's application in a bathroom, demonstrating its ability to detect even still presence and trigger a connected smart switch.

7. MAINTENANCE

- **Cleaning:** Gently wipe the sensor's surface with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Firmware Updates:** Check the TuyaSmart or Smart Life app periodically for any available firmware updates to ensure optimal performance and access to new features.
- **Environmental Conditions:** Ensure the sensor is not exposed to direct water spray, high humidity, or extreme temperatures outside its operating range.

8. TROUBLESHOOTING

- **Sensor Not Connecting to Wi-Fi:**

    - Ensure your Wi-Fi network is 2.4 GHz. The sensor does not support 5 GHz networks.
    - Check that the sensor is within range of your Wi-Fi router.
    - Verify correct Wi-Fi password entry in the app.
    - Try resetting the sensor (refer to app instructions for reset procedure) and re-pairing.

- **False Detections or No Detection:**

    - Review the installation location. Ensure there are no moving objects (curtains, plants, fans) within the detection zone.
    - Adjust the detection distance and sensitivity settings in the app.
    - Ensure the sensor is mounted at an appropriate height (max 3 meters).
    - Check for any obstructions blocking the sensor's field of view.

- **Lights Not Turning On/Off:**

    - Verify the wiring connections are correct and secure.
    - Check the illumination value (Lux) setting in the app. If set too high, lights may not activate in bright conditions.
    - Ensure the light duration (Presence Time) is set appropriately.
    - Confirm the sensor is detecting presence correctly in the app.

- **Device Not Responding:**

    - Check the power supply to the sensor.
    - Restart the sensor by cycling its power.
    - Ensure your mobile app is up to date.

9. SPECIFICATIONS

Figure 9.1: Detailed product specifications for the Haozee Human Presence Sensor.

Parameter	Value
Model Number	HZ-Presence-Switch-Clip
Power Input	AC 95-250V 50/60Hz
Max Output Current	2A
Radar Frequency	24GHz
Detection Angle	120°
Max Detection Distance	6M
Wireless Distance	45M
Bluetooth Version	Bluetooth 5.0
Status Indicator	One LED light
Working Temperature	-10 °C ~ 60 °C (14°F ~ 140°F)
Working Humidity	1% ~ 85%RH (Non-condensing)
Wireless Type	2.4GHz
Wireless Standard	IEEE 802.11b/g/n
Product Dimensions	1.13 x 3.54 x 3.54 inches
Item Weight	3.52 ounces

| UPC | 640712053323 |

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact Haozee customer service through their official channels. Keep your purchase receipt for warranty claims.

Related Documents - HZ-Presence-Switch-Clip

[Haozee HZ-HT-01 Smart Temperature Humidity Sensor FCC Test Report](#)
Official FCC test report for the Haozee HZ-HT-01 Smart Temperature Humidity Sensor, detailing compliance with FCC Part 15.247 standards. Includes test summary, results, and technical specifications.

[Haozee Smart Vibration Sensor HZ-ZV-01 FCC Test Report](#)
FCC test report for the Haozee Smart Vibration Sensor (Model: HZ-ZV-01), detailing compliance testing against FCC Part 15 Subpart C standards by Guangdong Asia Hongke Test Technology Limited.

[RF Exposure Evaluation Report for Haozee Smart Vibration Sensor HZ-ZV-01](#)
This report presents the RF exposure evaluation for the Haozee Smart Vibration Sensor, model HZ-ZV-01, conducted by Guangdong Asia Hongke Test Technology Limited. It details compliance with FCC standards including 47 CFR §1.1310, §2.1093, and KDB447498 D01.

[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.

RF Exposure evaluation

Product Name	: Smart Temperature Humidity Sensor
Brand Name	: Haozee
Model	: HZ-HT-01
Series Model	: ZO-HT-01/UNO
FCC ID	: 2BCQU-HZ-HT-01
Applicant	: SHENZHEN HAI HAO ELECTRONIC CO.,LTD
Address	: B07B Building 4,Zhi Hui Chuang Xin Zhong Xin Gan Lin 3
	In Xisiang Street Baoāri District,Shenzhen, China
Manufacturer	: SHENZHEN HAI HAO ELECTRONIC CO.,LTD
Address	: B07B Building 4,Zhi Hui Chuang Xin Zhong Xin Gan Lin 3
	In Xisiang Street Baoāri District,Shenzhen, China
Standard(s)	: 47CFR1.1307,§1.1310,§2.1093
	KDB447498 D01 General RF Exposure Guidance v06
Date of Test	: Mar. 20 2020~Apr. 14, 2020
Date of Receipt	: Mar. 20.2020
Issued Date	: Apr. 16. 2020

Issued By:	Guangdong Asia Hongda Test Technology Limited
	B1F, Building 11, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Baoan District, Shenzhen, Guangdong, China
	Tel.: +86 0755-23390530 Fax: +86 0755-23390530

Reviewed by:		Approved by:	

Note: This device has been tested and found to comply with the standard(s) listed, the test report merely corresponds to the test sample. It is not permitted to copy extracts of these test result without the written permission of the test laboratory. This report shall not be reproduced except in full, without the written approval of Guangdong Asia Hongda Test Technology Limited. If there is a need to alter or revise this document, the right belongs to Guangdong Asia Hongda Test Technology Limited, and it should give a prior written notice of the revised document. This test report must not be used by the client to claim product endorsement.

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[RF Exposure Evaluation Report - Haozee Smart Temperature Humidity Sensor (HZ-HT-01)](#)
Official RF exposure evaluation report for the Haozee Smart Temperature Humidity Sensor, Model HZ-HT-01. Includes test results, methodology, and compliance statements according to FCC standards.

Wi-Fi Temperature & Humidity Sensor with Screen
USER MANUAL

26.3 °C 68%
16:19
18/02/2022

Model: TH16

[TH16 Wi-Fi Temperature & Humidity Sensor User Manual - Setup & Features](#)
Official user manual for the TH16 Wi-Fi Temperature & Humidity Sensor. Learn about its features and how to set it up using the Smart Life app for real-time environmental monitoring.