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› Smart PIR Motion Sensor User Manual

Gaoducash TH05

Smart PIR Motion Sensor User Manual

Brand: Gaoducash | Model: TH05

1. INTRODUCTION

The Gaoducash Smart PIR Motion Sensor is a wireless motion detector designed to enhance home security and enable smart home automation. It provides real-time app notifications and can be integrated with other smart devices for automated routines. This sensor operates without the need for a separate hub, connecting directly to your WiFi network.

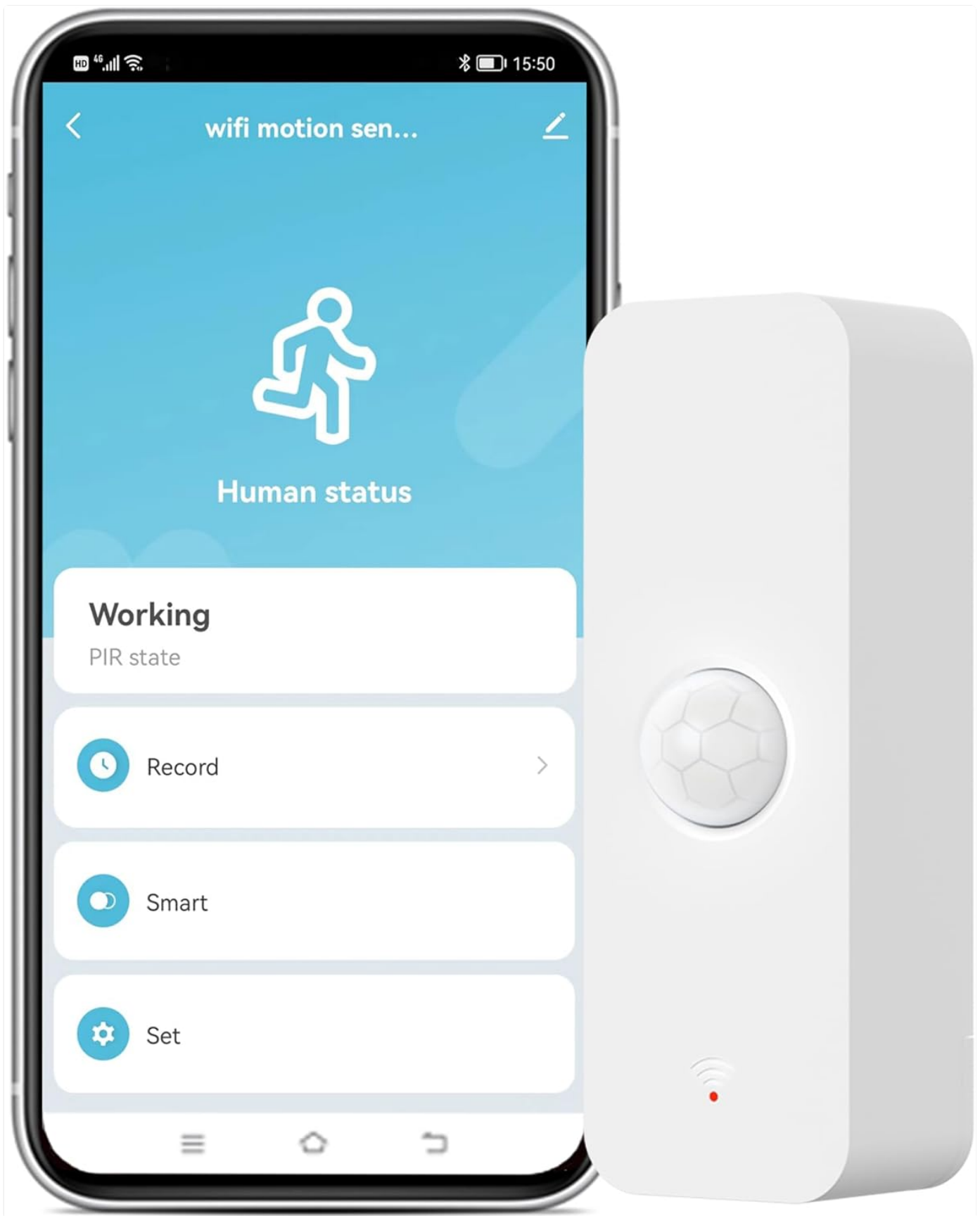


Figure 1: Gaoducash Smart PIR Motion Sensor with its mobile application interface.

2. KEY FEATURES

- **WIFI Motion Sensor:** Wireless motion sensor with a 128° detection angle and a detection distance of 6-40 feet. Operates without a hub.
- **Free App Notifications & Alarm History:** Controlled via Tuya Smart/Smart Life App. Sends automatic notification

alerts upon motion detection or low battery. Alarm history records are accessible for real-time home safety monitoring.

- **Create Routines:** Allows creation of custom routines triggered by motion detection, such as turning on smart lights.
- **Upgraded Motion Detector:** Utilizes advanced infrared detection technology and intelligent analysis algorithms to distinguish between interference signals and human movement, preventing false alarms.
- **Easy Installation:** Compact and portable design. Can be installed using film stickers or screws in various locations like garages, corridors, doorways, and rooms.
- **Power Source:** Operates on 2 AAA batteries (included).



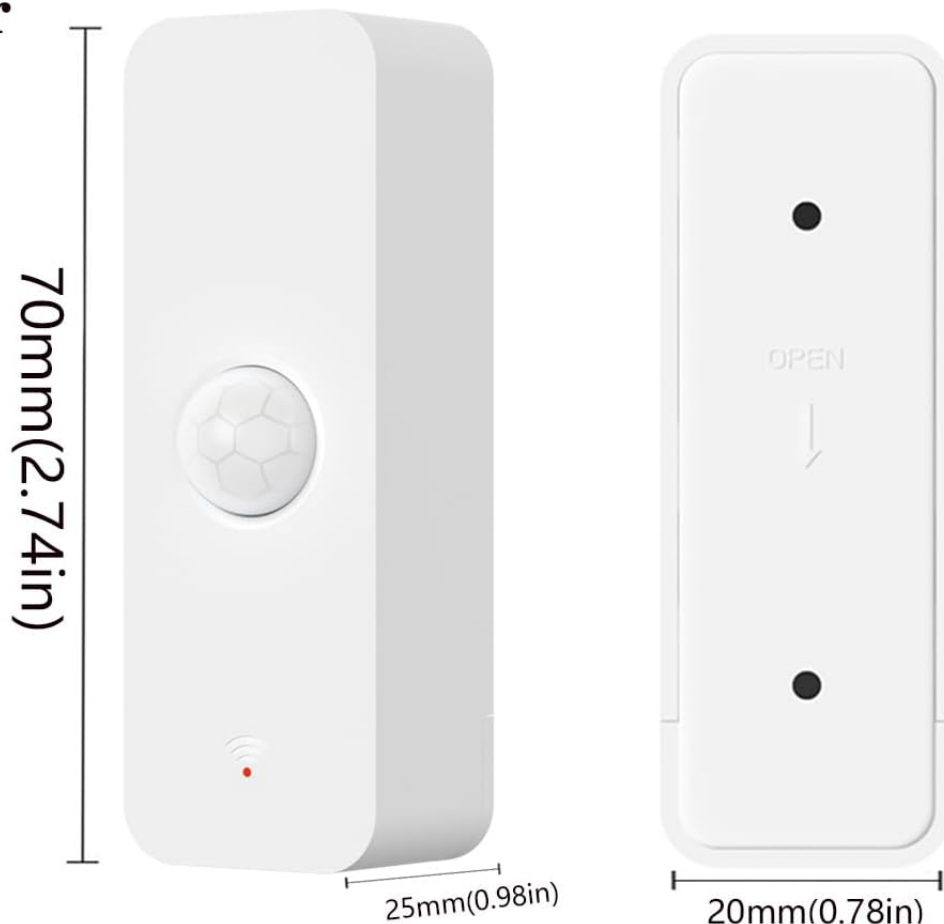
Figure 2: The sensor features a 128° wide-angle infrared detection, capable of detecting motion up to 6 meters (approximately 20 feet).

3. SETUP GUIDE

3.1. Battery Installation

The motion sensor requires two AAA batteries for operation. Ensure correct polarity when inserting the batteries.

Parameter

**Product Name**

PIR Motion Sensor

Model

P01

Control MethodMobile/Local
Remote Control**Standby Current**

22uA

Battery

LR03-1.5V/AAA*2

Alarm Current

≤45mA

Detect Distance

≤ 6 Meters

Detect Angle

128° wide-angle

Product Size

71*25*20mm

Figure 3: Insert two AAA batteries into the sensor's battery compartment, ensuring proper orientation.

3.2. App Download and Pairing

To control and monitor your sensor, download the Tuya Smart or Smart Life app from your device's app store. The following video demonstrates the app download, pairing process, and initial setup steps.

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Video 1: This video provides a comprehensive guide on setting up the Gaoducash Smart PIR Motion Sensor, including downloading the required mobile application (Tuya Smart or Smart Life), pairing the device with your smartphone, and demonstrating its intelligent linkage capabilities with other smart home devices. It also shows the physical installation process.

1. Scan the QR code provided in the app or search for "Tuya Smart" or "Smart Life" in your application market to download the app.
2. Open the app and register/log in.

3. To enter pairing mode, use a small pin (like a SIM ejector tool) to press and hold the reset button hole on the sensor for approximately 5 seconds until the LED light flashes.
4. Ensure your phone's Bluetooth is enabled and connected to your WiFi network.
5. In the app, tap "Add Device" or the "+" icon. The app should automatically discover the motion sensor.
6. Follow the on-screen prompts to complete the pairing process.

3.3. Installation

The sensor can be installed using the included adhesive film sticker or screws, offering flexibility for placement in various locations.



Figure 4: The sensor can be easily installed using the provided adhesive backing or screws, allowing for versatile placement.

- Choose a suitable location for the sensor, such as a doorway, corridor, garage, or room, ensuring it covers the desired detection area.
- Clean the surface where the sensor will be mounted.

- For adhesive installation: Peel off the protective film from the adhesive strip and firmly press the sensor onto the desired surface.
- For screw installation: Mark the screw positions, drill pilot holes if necessary, and secure the sensor using screws.

4. OPERATING INSTRUCTIONS

4.1. Real-time Monitoring and Notifications

Once connected, the sensor will continuously monitor for motion. When motion is detected, the app will send an instant notification to your smartphone. You can view a history of all detected movements within the app.



Figure 5: The mobile app provides real-time motion detection alerts and a detailed history log of all events.

4.2. Smart Home Automation and Routines

Leverage the Tuya Smart/Smart Life app to create automated routines based on motion detection. This allows the sensor to trigger actions from other compatible smart devices.

- **Example 1:** Turn on smart lights when motion is detected in a room.
- **Example 2:** Activate a smart alarm or camera when motion is detected in a restricted area.
- **Example 3:** Close curtains and turn off lights when no motion is detected for a set period.



Figure 6: The sensor can be integrated into smart home routines, for instance, automatically turning on lights upon detecting presence.

5. MAINTENANCE

5.1. Battery Replacement

The sensor will send a low battery notification to the app when the battery level is critical. Replace the two AAA batteries promptly to ensure continuous operation.

- Slide open the battery cover on the back of the sensor.
- Remove the old batteries and insert new AAA batteries, observing the correct polarity (+/-).
- Close the battery cover securely.

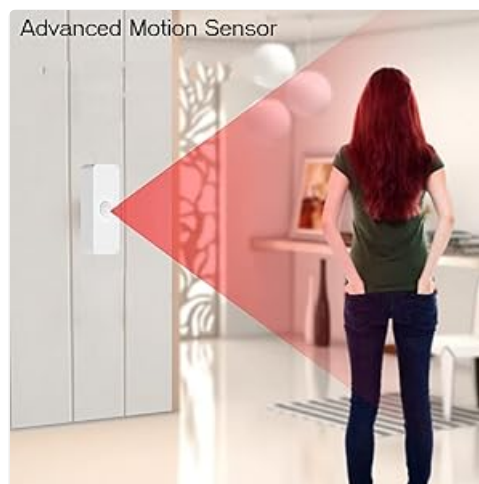


Figure 7: The sensor's battery compartment, designed for easy replacement of AAA batteries.

5.2. Cleaning

To maintain optimal performance, periodically clean the sensor's surface and the detection lens with a soft, dry cloth. Avoid using abrasive cleaners or solvents.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Sensor not connecting to WiFi.	Incorrect WiFi password, sensor too far from router, 5GHz WiFi network.	Ensure correct 2.4GHz WiFi password. Move sensor closer to router. Ensure your WiFi is 2.4GHz, as 5GHz is not supported. Re-enter pairing mode and try again.
No motion detection or delayed alerts.	Low battery, incorrect placement, interference, app notification settings.	Check battery level and replace if low. Ensure sensor is placed within detection range and angle. Avoid placing near heat sources or direct sunlight. Check app notification settings on your phone.
False alarms.	Pets, moving objects (curtains), drafts, direct sunlight.	Adjust sensor placement to avoid areas with pets or moving objects. Ensure stable mounting. The sensor's intelligent algorithms help reduce false alarms, but extreme conditions can still trigger them.
Sensor unresponsive.	Dead batteries, device crash.	Replace batteries. If still unresponsive, try resetting the device by pressing the reset button for 5 seconds and re-pairing it with the app.

7. SPECIFICATIONS

Feature	Detail
Brand	Gaoducash
Model Number	TH05
Power Source	Battery Powered (2 x AAA Alkaline batteries)
Detection Angle	128°
Maximum Range	40 Feet (approx. 12 meters)
Mounting Type	Wall Mount
Product Dimensions	2.76 x 0.98 x 1.18 inches (70 x 25 x 30 mm)
Item Weight	1.76 ounces (approx. 50g)
Compatible Devices	Motion Detector, Home Security System (via Tuya Smart/Smart Life App, compatible with Alexa)
Operating Temperature	32 Degrees Fahrenheit (0°C) - (Upper limit not specified, assuming standard indoor range)



Figure 8: Detailed product dimensions and technical specifications of the Gaoducash Smart PIR Motion Sensor.

8. WARRANTY AND SUPPORT

Gaoducash provides an industry-leading 24-month warranty for this product. For any questions, technical assistance, or warranty claims, please contact Gaoducash customer support through the contact information provided with your purchase or via their official website.