LWOHSI WIFI-D-SENSOR

LWOHSI Tuya WiFi Door Sensor - Wireless Security Alarm

Model: WIFI-D-SENSOR

1. Introduction

Thank you for choosing the LWOHSI Tuya WiFi Door Sensor. This wireless security alarm is designed to enhance the security of your home or business by providing real-time monitoring of doors and windows. It offers seamless integration with popular smart home platforms like Amazon Alexa, Google Home, and Apple Siri, allowing for convenient voice control and automation. This manual provides detailed instructions for installation, operation, and maintenance to ensure optimal performance and security.

2. Product Overview

The LWOHSI Tuya WiFi Door Sensor consists of two main components: a main sensor unit and a magnetic strip. When these two parts are separated, the sensor triggers an alert. The device connects directly to your home Wi-Fi network, eliminating the need for a separate hub.



Image 2.1: The LWOHSI Tuya WiFi Door Sensor, showing the main unit and the smaller magnetic strip. The image also highlights compatibility with Tuya, Smart Life, Amazon Alexa, and Google Assistant.



Image 2.2: A close-up view of the two parts of the LWOHSI Tuya WiFi Door Sensor, illustrating their compact design.

3. Specifications

Feature	Specification
Brand	LWOHSI
Model Number	WIFI-D-SENSOR
Color	White, Silver
Power Source	Battery Powered (2 AAA Batteries included)
Connectivity Technology	Wireless (Bluetooth & Wi-Fi)
Compatible Devices	Home Security System, Smartphone (Alexa, Google Home, Siri)
Item Dimensions (L x W x H)	0.39 x 0.2 x 0.2 inches
Installation Type	Self-Adhesive (3M tape)

Alert Type	App Notifications
Battery Life	Approximately 1 year
Control Method	App
Triggering Distance	Greater than 10-20mm separation

4. Setup Instructions

Follow these steps to install and connect your LWOHSI Tuya WiFi Door Sensor to your home network and smart device.

1. **Prepare the Sensor:** Open the back cover of the main sensor unit and insert the two AAA batteries provided. Ensure correct polarity.
2. **Activate Pairing Mode:** Turn on the switch located inside the main unit. Then, press and hold the 'SET' button for 5-8 seconds until the indicator light flashes rapidly, indicating it's in pairing mode.
3. **Install the App:** Download and install the 'Smart Life' or 'Tuya Smart' app on your iOS or Android smartphone.
4. **Add Device in App:** Open the app, register or log in, and tap 'Add Device' or the '+' icon. Select 'Sensors' > 'Contact Sensor (Wi-Fi)'.
5. **Connect to Wi-Fi:** Follow the in-app instructions to connect the sensor to your 2.4GHz Wi-Fi network. Ensure your phone is also connected to the same 2.4GHz network during setup.
6. **Mount the Sensor:** Use the industrial-grade 3M adhesive tape provided to mount the main sensor unit on the door or window frame and the magnetic strip on the moving part (door/window). Ensure the two parts are aligned and within 10-20mm of each other when the door/window is closed.
7. **Verify Connection:** Once connected successfully, the app will confirm the device has been added. You should receive notifications when the sensor's state changes (e.g., door opens/closes).



Image 4.1: Visual guide demonstrating the Wi-Fi connection process, from opening the back cover and loading batteries to receiving notifications on the smartphone app.

5. Operating Instructions

Once installed and connected, the LWOHSI Tuya WiFi Door Sensor provides continuous monitoring and smart home integration.

5.1. 24/7 Security Monitoring

The sensor provides instant smartphone alerts for any door or window movement. Detailed activity logs are maintained within the Smart Life/Tuya app, allowing you to review past events. This feature is ideal for securing vulnerable entry points such as garages, basement windows, or medicine cabinets.



Image 5.1: A smartphone screen showing a 'Door Alarm' notification and the real-time status of a door (open) as detected by the Tuya WiFi Door Sensor.

5.2. Voice Command Integration

Integrate the sensor with Amazon Alexa or Google Home for convenient voice control. You can ask for the status of your monitored entry points. For example, say "Alexa, is the garage door closed?" to receive real-time updates.

5.3. Home Automation

The sensor works with Tuya Smart/Smart Life/Alexa Routines for automation. Create custom routines or scenes within the app to trigger other smart devices. For instance, you can set up a routine to turn on a smart bulb or activate a siren alarm when a door opens.



Image 5.2: Examples of where the sensor can be used, including doors, windows, drawers, and strongboxes, demonstrating its versatility.



Image 5.3: Illustration of the sensor's 'separate state' functionality, showing an alarm being triggered when the main unit and magnetic strip are separated by more than 10-20mm.

6. Maintenance

Regular maintenance ensures the longevity and reliability of your door sensor.

6.1. Battery Replacement

The sensor is equipped with a low consumption module and provides approximately one year of monitoring with the included AAA batteries. When the battery level is low, the device will automatically push messages through the app to remind you to change the batteries. Replace batteries promptly to avoid service interruption.



Image 6.1: A smartphone displaying a low battery warning (7%) for the door sensor, indicating it's time for battery replacement.

6.2. Cleaning

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

7. Troubleshooting

If you encounter issues with your LWOHSI Tuya WiFi Door Sensor, refer to the following common problems and solutions:

- **Sensor Not Connecting to Wi-Fi:**
  - Ensure your Wi-Fi network is 2.4GHz. The sensor does not support 5GHz networks.
  - Verify that your smartphone is connected to the same 2.4GHz Wi-Fi network during the setup process.
  - Check that the Wi-Fi signal strength is adequate at the sensor's location.

- Confirm that the sensor is in pairing mode (indicator light flashing rapidly).

- **Delayed or Missed Notifications:**
  - Wi-Fi sensors may experience slight delays (3-10 seconds) due to the need to 'wake up' and authenticate with the router. This is a characteristic of Wi-Fi based sensors.
  - Ensure your phone has a stable internet connection and that app notifications are enabled for the Smart Life/Tuya app.
  - Check the sensor's battery level. Low battery can affect performance.

- **Sensor Not Triggering:**
  - Verify that the main sensor unit and the magnetic strip are mounted correctly and are within the specified triggering distance (10-20mm separation).
  - Check the battery level.
  - Ensure the sensor is online in the app.

- **Voice Commands Not Working:**
  - Ensure the sensor is properly linked to your Alexa or Google Home account through the respective app.
  - Verify that your voice assistant device is online and functioning correctly.

8. Warranty and Support

8.1. Warranty Information

The LWOHSI Tuya WiFi Door Sensor comes with a 24-month warranty from the date of purchase, covering manufacturing defects. This warranty does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

8.2. Customer Support

For technical assistance, troubleshooting not covered in this manual, or warranty claims, please contact LWOHSI customer support through the retailer's platform or the official LWOHSI website. Please have your product model number (WIFI-D-SENSOR) and purchase details ready when contacting support.

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