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› TOWODE Home Security System Wi-Fi (2.4 GHz) Door Alarm System User Manual

TOWODE SIDLBW009-US-FBA

TOWODE Home Security System Wi-Fi (2.4 GHz) Door Alarm System User Manual

Model: SIDLBW009-US-FBA

1. INTRODUCTION

Thank you for choosing the TOWODE Home Security System. This system provides comprehensive protection for your home, office, apartment, business, or factory. It operates on a 2.4 GHz Wi-Fi connection and offers remote control via the Tuya App on Android and iOS devices. The system includes a door/window alarm sensor, a remote controller, a Wi-Fi loudspeaker siren, and a power plug. It is designed for easy installation and can be expanded with additional sensors.

2. SAFETY INFORMATION

- Ensure the power supply matches the device specifications.
- Do not expose the siren to extreme temperatures or direct sunlight.
- Keep the device away from water and moisture. The siren is weatherproof, but prolonged submersion should be avoided.
- Do not attempt to disassemble or repair the device yourself. Contact customer support for assistance.
- Keep out of reach of children.
- The system operates on 2.4 GHz Wi-Fi only. Ensure your router supports this frequency.

3. PACKAGE CONTENTS

The TOWODE Home Security System kit includes the following items:

- 1 x Wi-Fi Loudspeaker Siren
- 1 x Door/Window Alarm Sensor
- 1 x Remote Controller
- 1 x Power Plug (for siren)
- 1 x 23A 12V Battery (for door sensor)
- Double-sided adhesive tape (for sensor installation)

Tuya Smart App



Works with
Tuya Smart

Control Your System Anytime Anywhere

Arming

Disarming

Alarm notification

Record checking

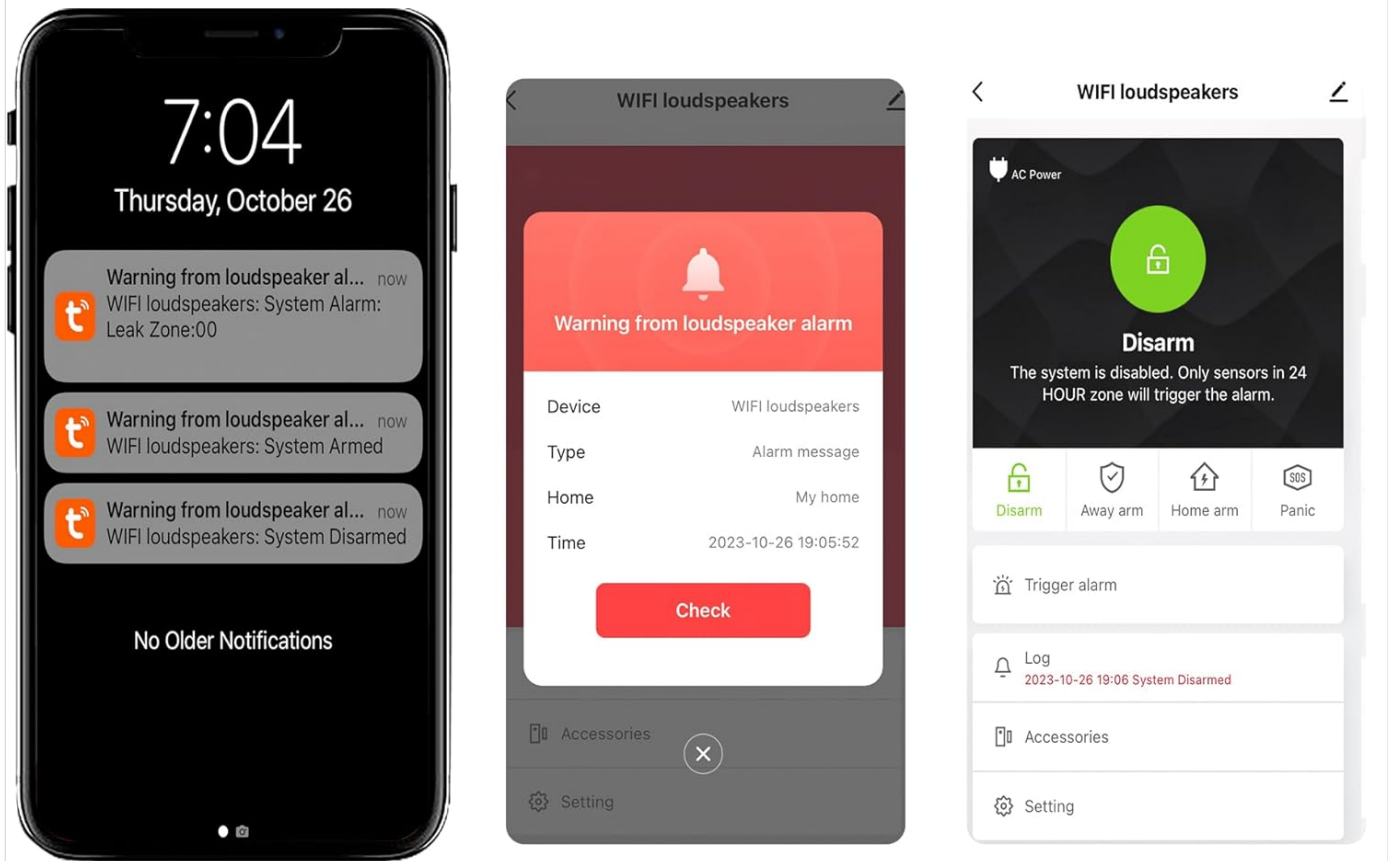


Figure 3.1: Components of the TOWODE Home Security System kit.

4. PRODUCT OVERVIEW

4.1. Wi-Fi Loudspeaker Siren

The siren is the central unit of your security system. It emits a loud 110 dB alarm when triggered and connects to your home Wi-Fi network for app control and notifications. It is designed to be weatherproof for indoor or outdoor use.



Figure 4.1: Weatherproof Wi-Fi Loudspeaker Siren.

4.2. Door/Window Alarm Sensor

This two-part sensor detects when a door or window is opened. When triggered, it sends a signal to the siren, activating the alarm and sending a notification to your smartphone.

Product parameters

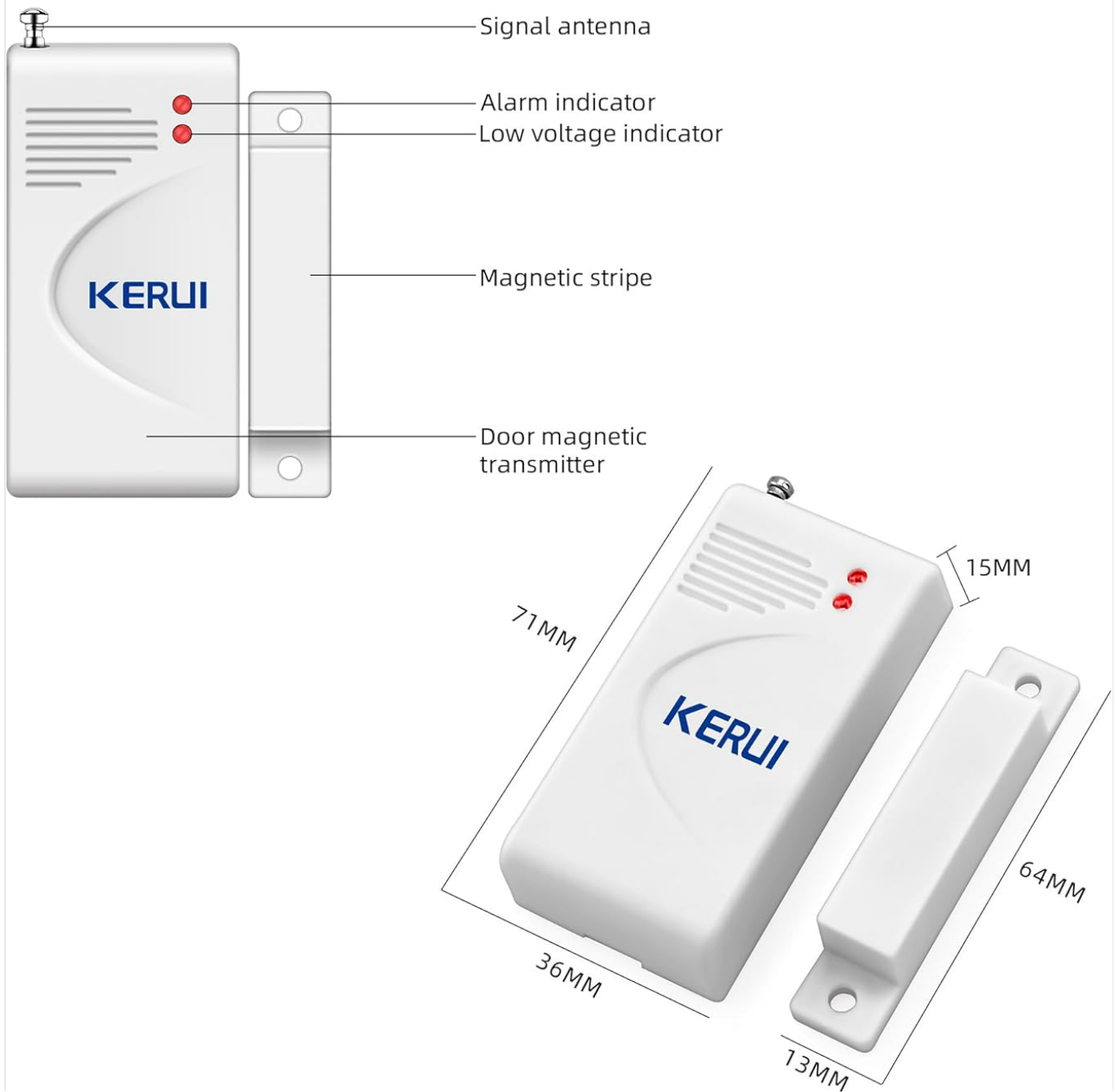


Figure 4.2: Door/Window Alarm Sensor with battery and adhesive.

Support up to 10 remote controls and 50 wireless detectors, such as door sensors, water detectors, infrared motion sensor.

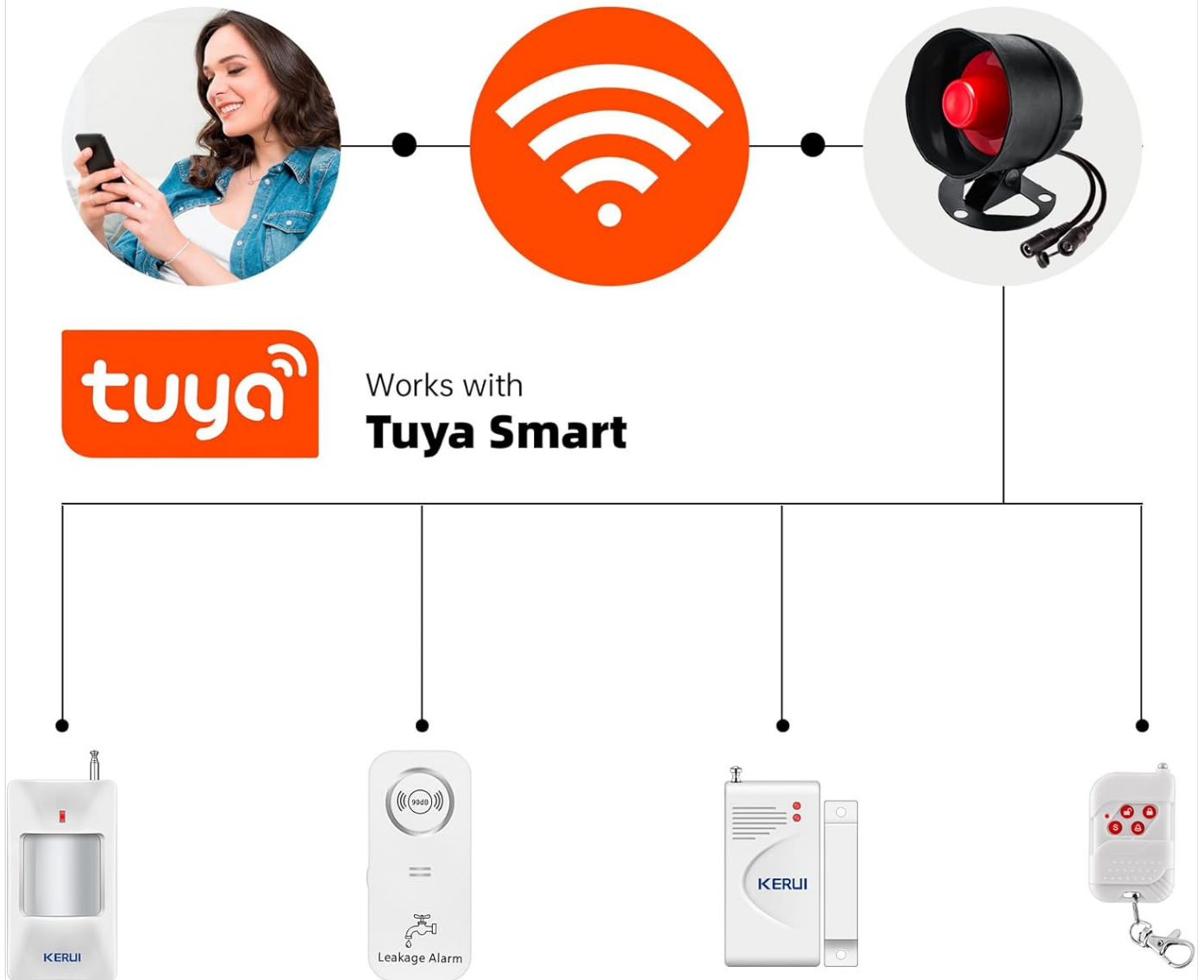


Figure 4.3: Door Sensor components and dimensions.

4.3. Remote Controller

The remote controller allows you to arm, disarm, set home mode, or trigger an SOS alarm with the press of a button.



Figure 4.4: Remote Controller for system operation.

5. SETUP

5.1. Powering On the Siren

1. Connect the power plug to the Wi-Fi loudspeaker siren.
2. Plug the power adapter into a standard electrical outlet. The siren will power on.

5.2. App Installation

Download and install the **Tuya Smart** or **Smart Life** app from your device's app store (Android or iOS).

5.3. Network Configuration (Wi-Fi Loudspeaker Siren)

Before configuring the network, ensure:

- Your Wi-Fi network is 2.4 GHz. The alarm horn is not compatible with 5G Wi-Fi.
- Bluetooth is enabled on your smartphone.
- Location services are enabled for the Tuya Smart app in your phone's privacy settings.

1. Open the Tuya Smart app and log in or register.
2. On the app's home screen, tap "Add Device" or the "+" icon.
3. Long press the **[SET Key]** on the Wi-Fi loudspeaker siren for 3 seconds until it sounds, indicating it has entered network configuration mode.
4. The app will scan for nearby devices using Bluetooth. Once the "WiFi loudspeakers" device is found, tap "Add".
5. Enter your 2.4 GHz Wi-Fi network name and password when prompted.
6. Follow the on-screen instructions to complete the pairing process.

Your browser does not support the video tag.

Video 5.1: Demonstrates how to connect the Wi-Fi Loudspeaker Home Security Alarm System to the Tuya Smart app.

5.4. Installing Door/Window Sensors

1. Ensure the door/window sensor has its 23A 12V battery installed.
2. Identify a suitable location on your door or window frame. The two parts of the sensor must be aligned and within 1 cm of each other when the door/window is closed.
3. Clean the surface thoroughly.
4. Attach the larger part (transmitter) to the fixed frame and the smaller part (magnet) to the moving part of the door/window using the provided double-sided adhesive tape.

5. Test the sensor by opening and closing the door/window to ensure proper alignment.



Figure 5.1: Correct installation of a door/window sensor.

6. OPERATING THE SYSTEM

6.1. Arming and Disarming

You can arm or disarm your security system using the Tuya Smart app or the remote controller.

- **Away Arm:** All sensors are monitored. Ideal when no one is home.
- **Home Arm:** Only specific sensors (e.g., perimeter sensors) are monitored, allowing movement within the home.
- **Disarm:** All sensors are disabled.

6.2. Alarm Notifications

When a sensor is triggered, the 110 dB siren will sound, and you will receive instant notifications on your smartphone via the Tuya Smart app.

Protect Your Security

With various environments



- Garage



- Warehouse



- Home



- Shop



Figure 6.1: Tuya Smart App interface for system control and notifications.

Add WiFi Loudspeaker

Long press the [SET Key] of the WiFi loudspeaker for 3 seconds the host starts to sound and enters the state of network distribution.



SET Key



1

2

3



Figure 6.2: Alarm activation and smartphone notification.

6.3. Voice Control (Alexa & Google Assistant)

The system is compatible with Amazon Alexa and Google Assistant, allowing you to arm, disarm, or set home mode using voice commands.



Figure 6.3: Voice control compatibility with Alexa and Google Assistant.

Your browser does not support the video tag.

Video 6.1: Instructions for linking the Wi-Fi Alarm System with Google Home and Amazon Alexa for voice control.

7. EXPANDING YOUR SYSTEM

The TOWODE security system is scalable, supporting up to 50 remote controls and 50 additional sensors. These can include motion sensors, water leakage sensors, and smoke sensors (Wireless Frequency: 433MHz, Wireless Code: eV1527).



Figure 7.1: System scalability with various types of sensors.

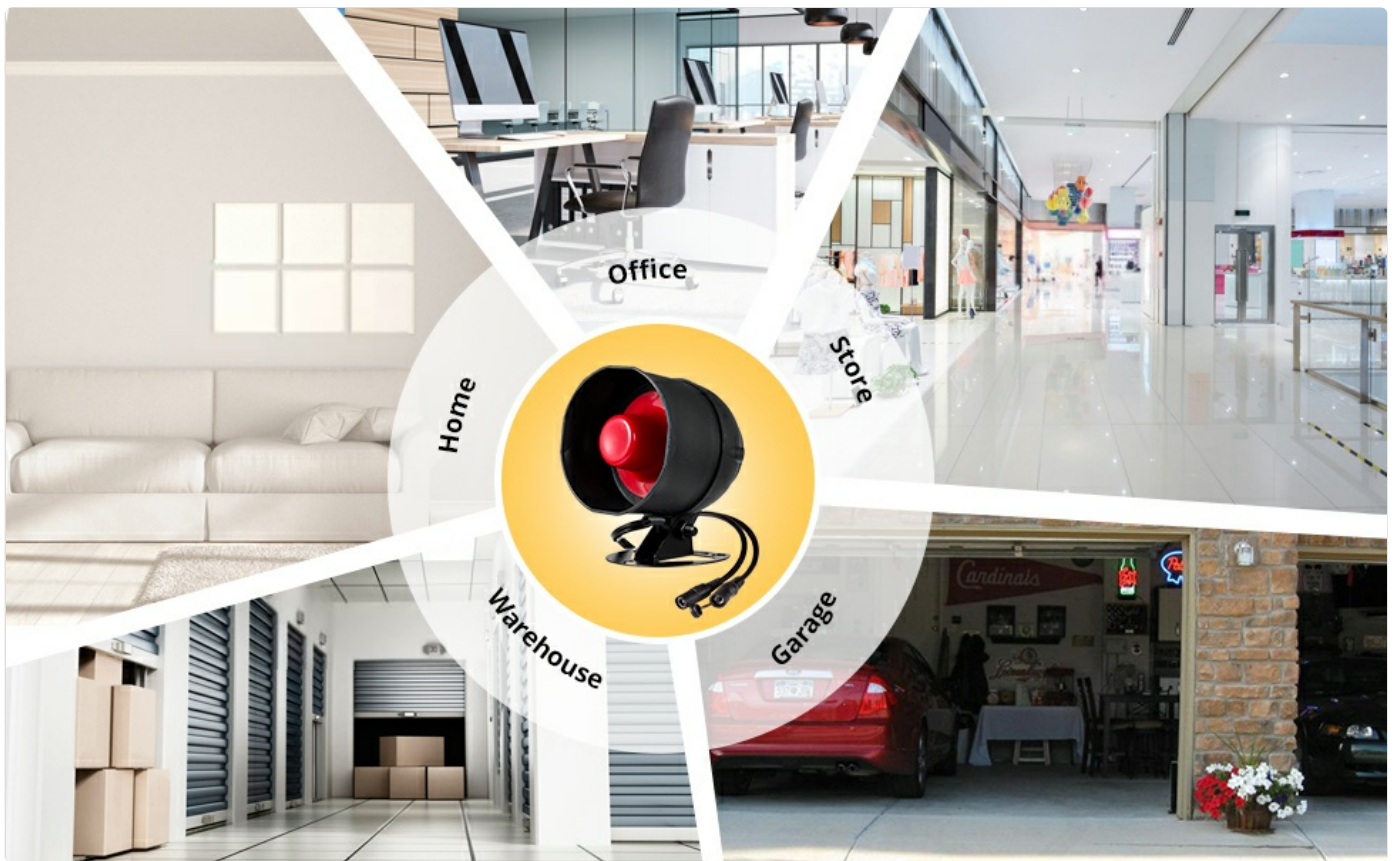


Figure 7.2: Wireless range of the security system components.

8. MAINTENANCE

8.1. Battery Replacement (Door/Window Sensor)

The door/window sensor is powered by a 23A 12V battery. When the low voltage indicator light on the sensor illuminates, it is time to replace the battery.

1. Carefully open the sensor casing.
2. Remove the old 23A 12V battery.
3. Insert a new 23A 12V battery, ensuring correct polarity.
4. Close the sensor casing securely.

Product parameters

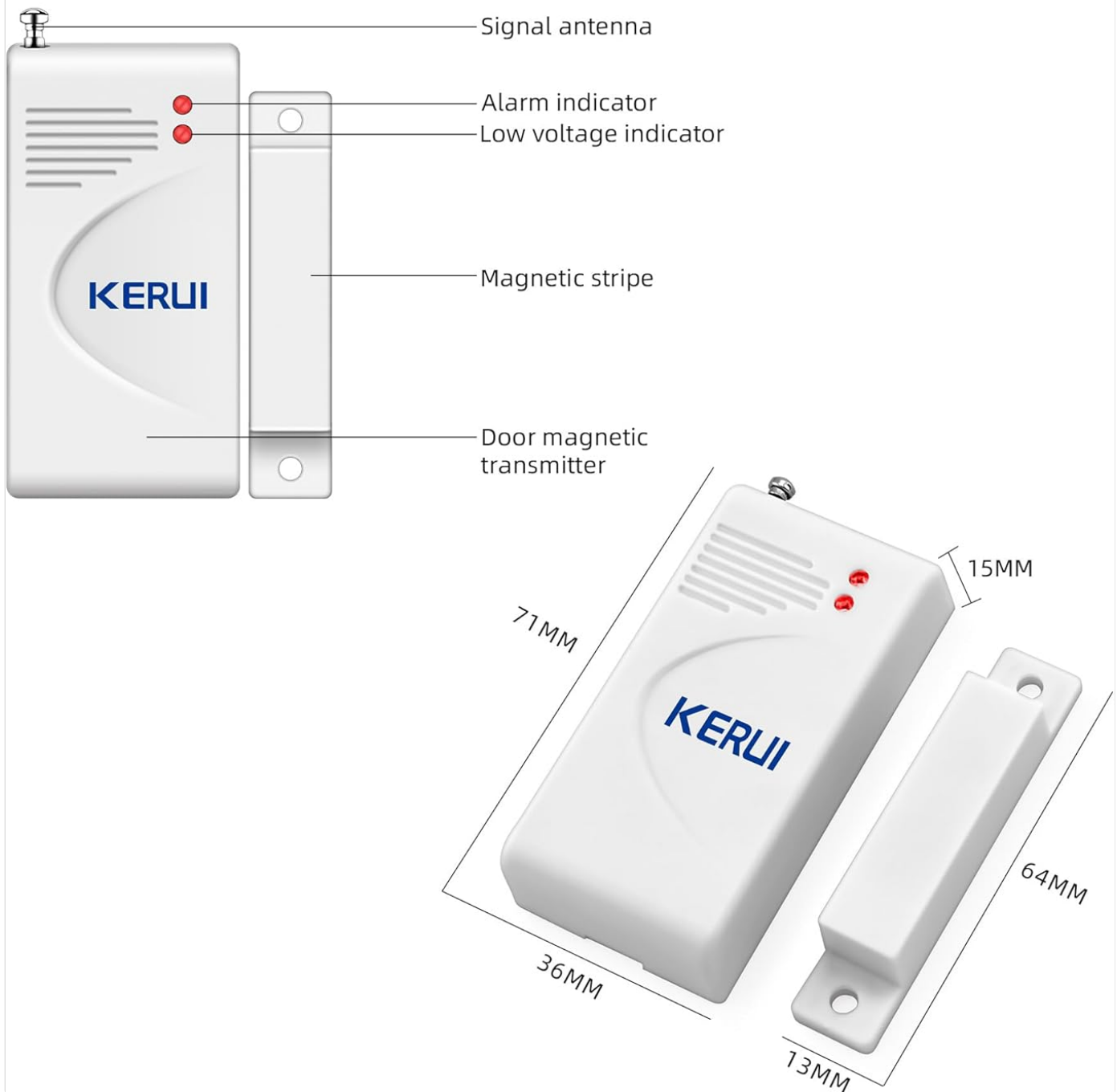


Figure 8.1: Door sensor with battery for replacement.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Siren not connecting to Wi-Fi.	Incorrect Wi-Fi frequency (5G instead of 2.4G). Incorrect Wi-Fi password. Bluetooth or Location Services disabled.	Ensure your router is set to 2.4 GHz. Verify Wi-Fi password. Enable Bluetooth and Location Services for the Tuya Smart app.
Sensor not triggering alarm.	Sensor battery low or dead. Sensor parts misaligned. Sensor not paired with the siren.	Replace the sensor battery. Realign sensor parts (within 1 cm). Re-pair the sensor with the system via the app.
Remote control not working.	Remote control battery low. Remote control not paired.	Replace the remote control battery. Pair the remote control with the system.
Voice control not responding.	Incorrect voice commands. Alexa/Google Assistant not linked to Tuya Smart.	Refer to voice command examples in the app. Ensure Tuya Smart is linked in your Alexa/Google Home app.

10. SPECIFICATIONS

- **Brand:** TOWODE
- **Model Number:** SIDLBW009-US-FBA
- **Connectivity Technology:** Wireless (Wi-Fi 2.4 GHz, 433MHz for sensors)
- **Power Source (Siren):** AC Power Plug
- **Power Source (Door Sensor):** 23A 12V Alkaline Battery
- **Audible Noise (Siren):** 110 dB
- **Control Method:** App (Tuya Smart), Remote, Voice (Alexa, Google Assistant)
- **Max Remote Controls:** 50
- **Max Sensors:** 50 (e.g., motion, water leakage, smoke sensors)
- **Wireless Code:** eV1527
- **Installation Method:** Self-Adhesive (for sensors)
- **Item Dimensions (Siren):** Approximately 3.54 x 4.53 x 1.35 inches

11. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact TOWODE customer service directly. Contact details are typically available on the manufacturer's website or through your purchase platform.