

KERUI D025

KERUI D025 433MHz Wireless Magnetic Door Window Alarm Sensor Detector Contact System User Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the KERUI D025 433MHz Wireless Magnetic Door Window Alarm Sensor. Please read this manual thoroughly before using the product to ensure proper function and safety. This device is designed to enhance security by detecting the opening of doors or windows.

2. PRODUCT OVERVIEW

The KERUI D025 is a two-part wireless magnetic sensor system. It consists of a main sensor unit and a smaller magnetic strip. When installed on a door or window, the separation of these two parts triggers an alarm signal, which is then transmitted wirelessly to a compatible 433MHz alarm host (not included). The sensor is designed for easy installation and reliable performance.



Figure 1: The KERUI D025 Wireless Magnetic Door Window Alarm Sensor. This image displays the two primary components

of the sensor: the larger main unit, which houses the electronics and battery, and the smaller magnetic strip. Both components are white with rounded edges, and the main unit features the 'KERUI' logo in blue. They are shown side-by-side, illustrating their intended proximity when installed.

3. PACKAGE CONTENTS

Please verify that all items are present and in good condition upon unpacking:

- 1 x KERUI D025 Main Sensor Unit
- 1 x Magnetic Strip
- Mounting Screws/Adhesive Tape (may vary by package)
- 1 x User Manual (this document)

4. SETUP AND INSTALLATION

4.1. Battery Installation

1. Locate the battery compartment on the back of the main sensor unit.
2. Open the compartment cover.
3. Insert the specified battery type (e.g., 12V 23A battery, refer to product packaging for exact type) ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

4.2. Mounting the Sensor

The sensor should be mounted on a door or window frame, with the main unit and magnetic strip aligned and in close proximity when the door/window is closed.

1. Identify the desired location on your door or window frame. Ensure the surfaces are clean and dry.
2. Mount the main sensor unit on the fixed frame of the door or window.
3. Mount the magnetic strip on the moving part of the door or window, directly adjacent to the main sensor unit. The alignment marks (if present) on both parts should face each other.
4. Ensure the gap between the main unit and the magnetic strip is no more than 1 cm (approximately 0.4 inches) when the door/window is closed.
5. Use either the provided adhesive tape for a quick installation or screws for a more permanent fixture. If using screws, pre-drill pilot holes if necessary.

4.3. Pairing with Alarm Host

The KERUI D025 sensor operates at 433MHz and needs to be paired with a compatible wireless alarm host system. Refer to your alarm host's manual for specific pairing instructions. Generally, the process involves:

1. Put your alarm host into 'learning' or 'pairing' mode.
2. Trigger the D025 sensor by separating the main unit and magnetic strip (e.g., by opening the door/window).
3. The alarm host should register the sensor. Confirm successful pairing on your alarm host.

5. OPERATING INSTRUCTIONS

Once installed and paired, the KERUI D025 sensor operates automatically. When the door or window it is protecting is opened, the magnetic strip separates from the main sensor unit. This separation triggers the

sensor to transmit a wireless alarm signal to the paired alarm host. The alarm host will then react according to its programmed settings (e.g., sound an siren, send a notification).

- **Alarm Trigger:** Separation of the main unit and magnetic strip.
- **LED Indicator:** A small LED on the main unit may flash briefly when triggered, indicating signal transmission.

6. MAINTENANCE

6.1. Battery Replacement

When the battery level is low, the sensor may send a low battery signal to the alarm host, or its LED indicator might behave differently (e.g., constant glow or specific flash pattern). Replace the battery promptly to ensure continuous protection.

1. Open the battery compartment as described in Section 4.1.
2. Remove the old battery.
3. Insert a new battery of the same type and voltage, observing correct polarity.
4. Close the compartment cover.

6.2. Cleaning

Wipe the sensor units with a soft, dry cloth. Do not use abrasive cleaners or solvents, as these can damage the casing or internal components.

6.3. Regular Testing

It is recommended to test the sensor periodically (e.g., monthly) to ensure it is functioning correctly. Arm your alarm system and then open the door or window where the sensor is installed to verify that the alarm is triggered.

7. TROUBLESHOOTING

- **Sensor not triggering alarm:**
 - Check battery: Ensure the battery is correctly installed and not depleted. Replace if necessary.
 - Check alignment: Verify that the main unit and magnetic strip are properly aligned and within the specified gap (max 1 cm) when the door/window is closed.
 - Check pairing: Ensure the sensor is successfully paired with your alarm host. Re-pair if needed.
 - Check alarm host status: Ensure your alarm host is armed and functioning correctly.
- **False alarms:**
 - Check mounting: Ensure the sensor is securely mounted and not shifting, causing accidental separation.
 - Environmental factors: Strong vibrations or magnetic interference nearby could potentially cause issues. Relocate if possible.
- **Low battery indication:**
 - Replace the battery immediately as per Section 6.1.

8. SPECIFICATIONS


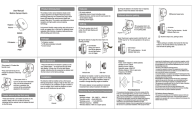



- **Model:** D025
- **Wireless Frequency:** 433MHz
- **Detection Gap:** < 1 cm (approx. 0.4 inches)
- **Power Supply:** 12V 23A battery (specific type may vary, check product packaging)
- **Operating Environment:** Indoor use only
- **Operating Temperature:** -10°C to 50°C (14°F to 122°F)
- **Transmission Distance:** Up to 100 meters (open area, depends on alarm host and environment)

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact your retailer/seller directly. Keep your proof of purchase for any warranty claims.

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Related Documents - D025

	<p>KERUI M116-2E Wireless Infrared Pet-Immunity Detector User Manual</p> <p>User manual for the KERUI M116-2E Wireless Infrared Pet-Immunity Detector. Features include pet immunity, adjustable detection distance, RF alarm signal, and easy installation. Learn about installation, operation, and technical specifications.</p>
	<p>KERUI DW520 Motion Sensor Alarm User Manual</p> <p>Detailed user manual for the KERUI DW520 Motion Sensor Alarm system, covering product introduction, features, setup, pairing, installation, and technical specifications. Includes FCC compliance information.</p>
	<p>Kerui W193 Burglar Alarm System User Manual</p> <p>User manual for the Kerui W193 Burglar Alarm System, detailing installation, setup, and operation of the security system.</p>
	<p>KERUI DW9 Alarm System User Manual and Technical Guide</p> <p>Comprehensive user manual for the KERUI DW9 alarm system, detailing features, instructions for setting, adding/deleting detectors, low power prompts, clearing functions, and technical parameters. Includes guidance on operation and maintenance.</p>
	<p>KERUI W181 Alarm System User Manual</p> <p>User manual for the KERUI W181 Alarm System, detailing setup, operation, features, and troubleshooting for this smart home security solution with WIFI, GSM, and Tuya Smart integration.</p>

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home security smart living Manufacturer: Shenzhen Kerui Smart Technology Co., Ltd.

Headquarters: ... power circuit design Size: 70.6*26*19.3mm Multilayer Composite

Wireless Door Magnetic Detector KR-**D025**/D035 Multi-layer composite structure
design ensures perfect installation 1pcs*23A battery/1pc...

lang:en score:14 filesize: 3.07 M page_count: 24 document date: 2025-05-21

