Wireless Door Sensor Instruction Manual
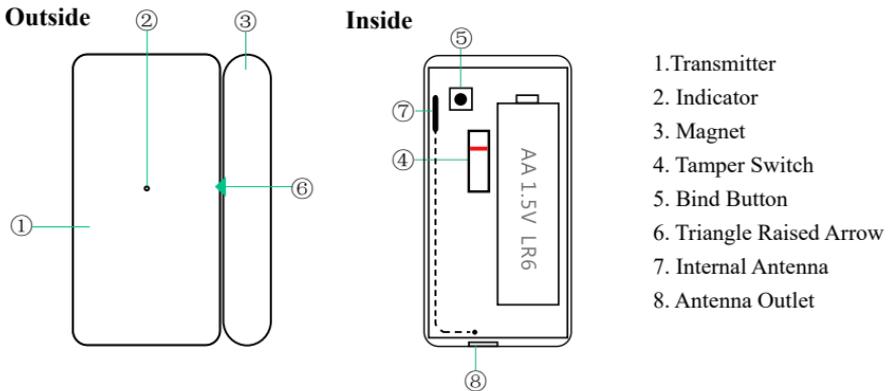## WR-5001-DS

RFzone Automations Pvt. Ltd.
Living Simplified

Descriptions

Dear users, sincerely thank you for choosing our products. For your convenience of installing and using this product, please read this manual carefully before use. Wretro's wireless door sensor is composed of transmitter and magnet, it can be installed on doors, windows and any other objects that open and lose. The door sensor will send alarm signal to Smart gateway when the magnet is moved away form the transmitter. The battery standby time and reliability are observably improved owe to the ultralow power consumption technology and two-way wireless communication technology. This product must be used with Wretro Smart series of gateways.

Main Features

► Fully-digital, highly reliable, large coverage, low power consumption, two-way wireless network
► Ultralow power consumption, battery life observably extended
► Low battery notification

Product Structure Diagram

Outside   **Inside**

1. Transmitter
2. Indicator
3. Magnet
4. Tamper Switch
5. Bind Button
6. Triangle Raised Arrow
7. Internal Antenna
8. Antenna Outlet

AA 1.5V LR6

Installation

Mount the transmitter on the door frame or window frame nd the magnet mounted on the door or window. The side of transmitter with triangle raised arrow close to the side of magnet with triangle raised arrow. Stick the transmitter and magnet on the desired location with double faced adhesive tape or fasten them with screws, the distance between them should be less than 0.5cm. When the door sensor is mounted far from the gateway, the internal antenna of door sensor can be taken out to enhance its wireless communication intensity. The detailed method is as follows: Remove the battery and the circuit board carefully, draw the antenna out of the antenna outlet and straighten it. Then put the circuit board back on to its original position.

Attention: If wireless door sensor is mounted on a metal door, elevate the mounting position to avoid the signal being blocked by the metal door.

Low battery notification: When the sensor in low battery, the low battery signal will be sent to gateway. The siren of gateway wouldn't hoot while gateway receives the signal, only the notification will be sent to user.

Binding

Bind the door sensor with Smart gateway before use. Long press the bind button for 5 seconds, the indicator will continuously flicker and send out binding request. Add a new smart device binding on Wretro App. You can refer to the instruction manual of Smart Gateway for the detailed procedure.

Technical Parameters

Power Supply	1.5VDC (one AA LR6 1.5V alkaline battery)
Current	Standby current: ≤13µA Alarm current: ≤30mA
Wireless Operating Frequency	433MHz
Wireless Transmit Power	～10dbm
Wireless Receiving Sensitivity	≤−105dbm
RF Coverage	about 30m indoor, 100m barrier free
Operating Temperature	−10℃～60℃
Relative Humidity	≤ 80% (Non-condensing)
Dimension of Transmitter (L*W*H)	71mm×35.5mm×19mm
Dimension of Magnet (L*W*H)	71mm×11.5mm×19mm
Total Weight	55g (battery included)

Guarantee Terms

This products is guaranteed for 2 years since the date of purchase. During the guarantee period, if Wretro product malfunctions (does not contain artificial damages) under normal circumstances, they can be free repaired or exchanged. The guarantee will be void if the product is disassembled without the permission of our company.

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