



# ROULE WD02A Wi-Fi Keypad Controlled Door Alarm Sensor User Manual

[Home](#) » [ROULE](#) » ROULE WD02A Wi-Fi Keypad Controlled Door Alarm Sensor User Manual 



Wi-Fi Keypad Controlled  
Door Alarm Sensor  
RL-WD02A

Version 1.0



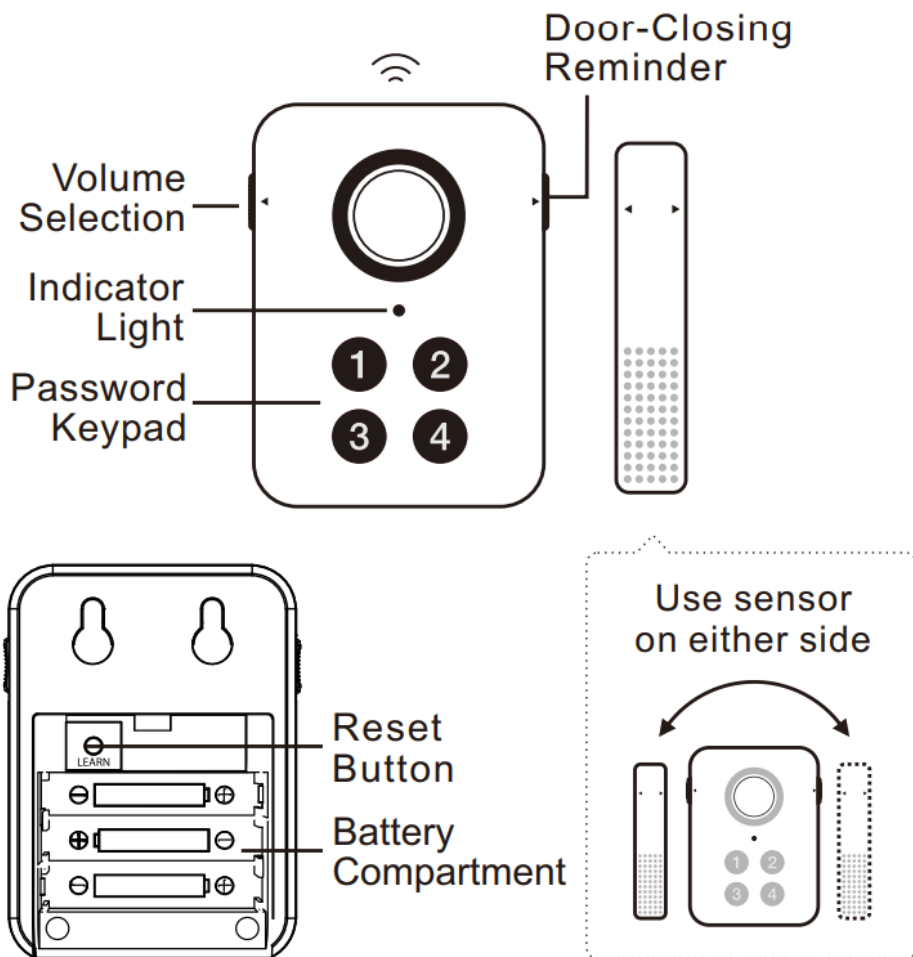
## Contents

- [1 Package Contents](#)
- [2 Operating Instructions](#)
- [3 Troubleshooting](#)
- [4 Technical Specifications](#)
- [5 FCC Warnings](#)
- [6 Documents / Resources](#)
  - [6.1 References](#)

## Package Contents

Main Unit\*1

Magnet \*1



## Operating Instructions

A. Downloading the APP Download the APP to your smart mobile phone by one of the following methods:



1. On your mobile phone go to the App Store or Google Play. Then, do a search for “TuyaSmart”.
2. Scan the QR code below to download.



<https://smartapp.tuya.com/tuyasmart>

Android 5.0 / iOS 8.0 or higher

B. Adding the Device

1. Place the unit next to the home router (2.4G WiFi) and ensure batteries are installed.
2. Please connect your mobile phone and the device to the same WiFi network, and then launch the APP “ TuyaSmart ”.
3. For the steps of adding the device, please check the Help documents. Tap “” on the lower right of the screen and then tap “FAQ & Feedback”.

**NOTE:**

- After reset, the indicator light will flash rapidly.  
For the details, please refer to the section “Device Reset”.
- During the setup process, select “+ (Add Device) > Others > Others (Wi-Fi)” as below.



**NOTE:**

The step-by-step instructions on the app may slightly vary due to the app update. Simply follow the actual instructions on the app when adding the device.

**C. APP FAQ**

**1. Failed to add the device**

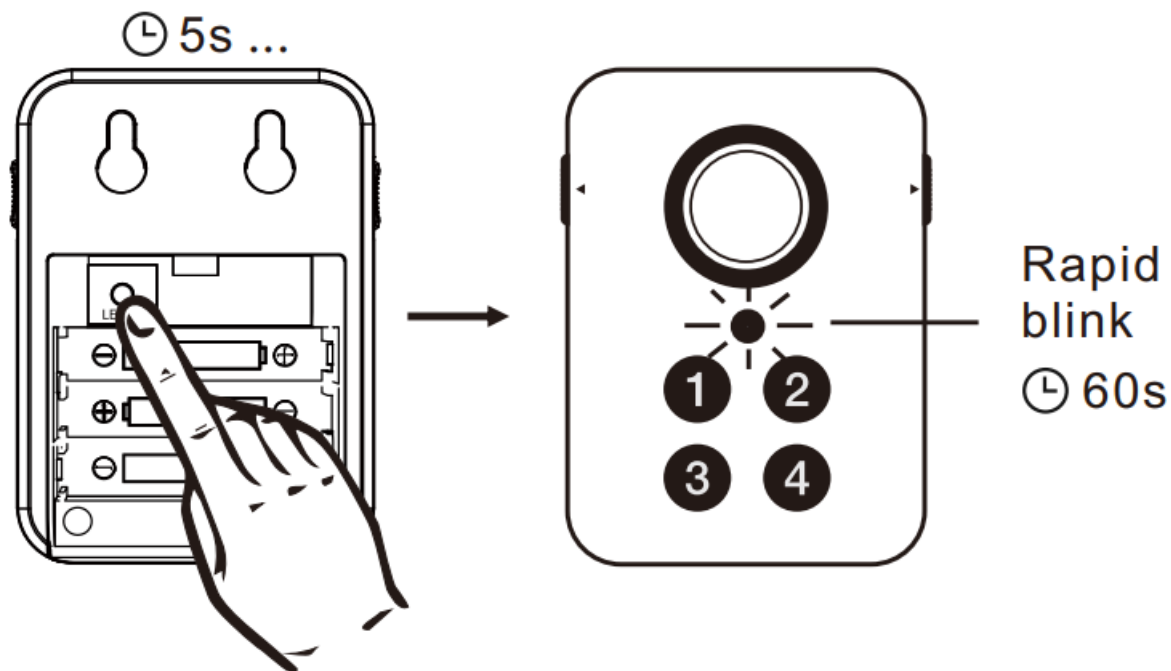
- 1) Please check whether the network you connected is 2.4GWiFi.
- 2) Please check whether the WiFi password you typed is correct.
- 3) If the above operation is correct, reset the device and add it again.

**2. Device Reset**

**a. EZ mode**

Press and hold the Reset button for above 5 seconds, the indicator light will rapidly blink to indicate that

network is reset and entering into EZ mode.



#### b. AP mode

Under EZ mode, press and hold the Reset button for above 5 seconds, the indicator light will slowly blink to indicate that it has switched to AP mode. If timed out (60s), it will automatically enter into standby state. To retry, please reset and configure again.

### D. Function Description

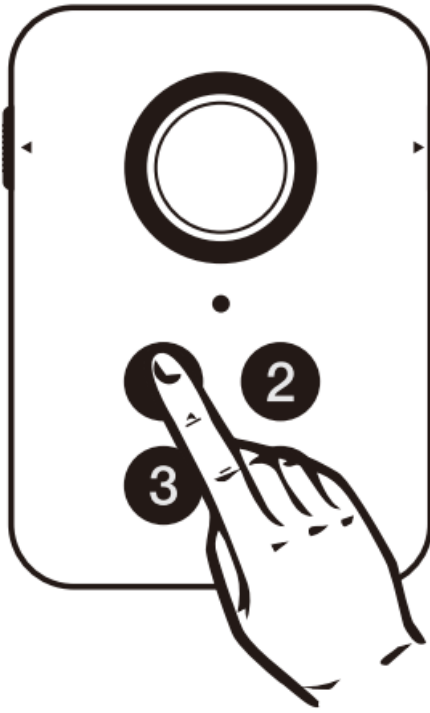
#### 1. Indicator Light

- Rapid blink: Configuring Wi-Fi in EZ mode (2 blinks/second)
- Slow blink: Configuring Wi-Fi in AP mode (1 blink/3 seconds)
- Double blink: Connecting to Wi-Fi...
- Steady On: Wi-Fi connected, connecting to the Cloud...

#### 2. Reset and Change the Password

The initial password is: 1234;

Under Disarmed state, press “1” for above 5 seconds, a long “Di” tone that lasts for 2 seconds will be heard.



- a. Within 10 seconds, input the new 4-digit password and your mobile phone will receive a message about this modification.
- b. If no input within 10 seconds, the password will be set to “1234” by default and your mobile phone will receive a message about this setting.

### 3. Arming/Disarming

Input the password to switch between Armed and Disarmed state (Each time you power on the unit, it will be set to Disarmed state).

- Disarmed successfully: Two “Di” tones will be heard and the indicator light will blink twice.

“Disarmed successfully” message will be found in app message center and “Armed away disabled” will be displayed on the app operation page.

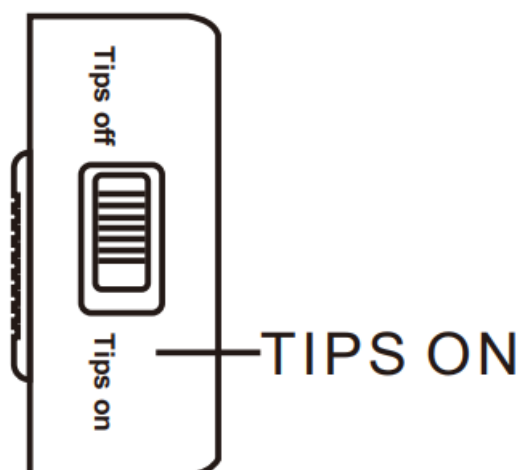
- Armed successfully: One “Di” tone will be heard and the indicator light will blink once (there will be a 15-second arm delay). “Armed successfully” message will be found in app message center and “Armed away enabled” will be displayed on the app operation page.

### 4. Low Battery Indicator

When the battery voltage is low(<3.3V), a push notification will be sent to the APP for an alert.

Please replace batteries immediately.

### 5. Door-Closing Reminder:



### 5.1 TIPS ON/OFF

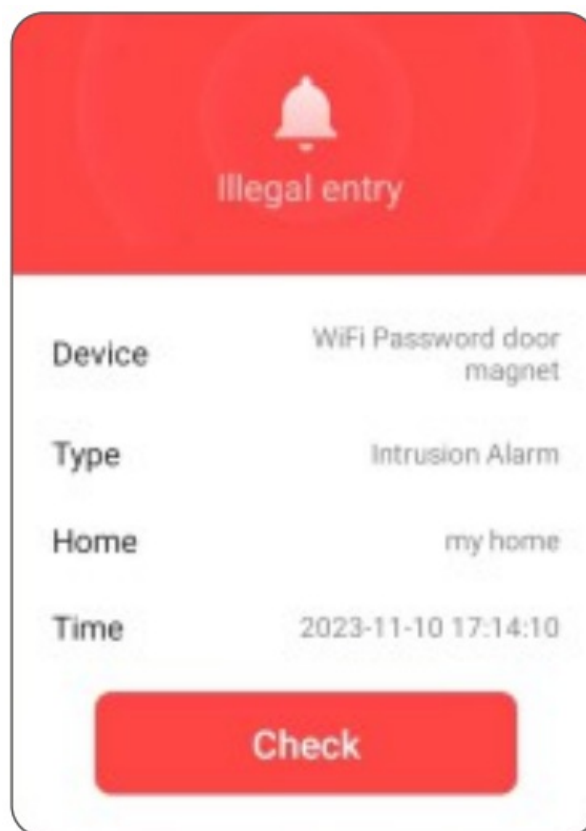
- When the switch is slid to TIPS ON position, the main unit will prompt 6 “Di” tones and “Door opened” message will be found in app message center and setting page if the magnet is separated from the main unit (door is opened) for 1 minute.
- When the switch is slid to TIPS OFF position, “Door opened” message will be found in app message center and setting page if the magnet is separated from the main unit (door is opened) for 1 minute; the main unit will not have prompt tones
- When the magnet is attached to the main unit, “Door closed” message will be found in app message center and setting page.

### 5.2 Illegal Entry

- Once armed successfully, “illegal entry” message will be found in app message center and setting page if the magnet is separated from the main unit (door is opened).
- After armed successfully, it will sound an alarm and the indicator light will flash for 30 seconds if the magnet is separated from the main unit and no correct password is input within 10 seconds. In this situation, input a correct password to stop the alarm.

### 6. Illegal Entry Alert

When “illegal entry alert” is enabled, the alert as figure shown will be displayed on the app operation page if illegal entry occurs.



### 7. Mute

When mute function is enabled via the app, the main unit will turn off sound.

### 8. Wrong Password Reminder

- Once armed successfully, “illegal entry” message will be found in app message center and setting page if the magnet is separated from the main unit (door is opened).
- After armed successfully, it will sound an alarm and the indicator light will flash for 30 seconds if the magnet is separated from the main unit and no correct password is input within 10 seconds. In this situation, input a

correct password to stop the alarm.

## Troubleshooting

### 1. The indicator light double blinks for 20 seconds.

This indicates that it failed to connect to WiFi and now is attempting to re-connect. Check if the WiFi signals is normal.

### 2. After the device is triggered, the indicator light is “Steady On”.

This indicates that the device is connecting to the Cloud. If App fails to receive the notification, please check WiFi to see if it works properly.

### 3. When triggered, however, no push notification received.

Please check the mobile phone setting to see if notifications are allowed. Also, check if WiFi works properly.



## CAUTION

- Batteries may leak harmful liquids or ignitable materials or explode causing injury and product damage
- Do not mix old and new or other battery types
- Replace all batteries at the same time
- Remove batteries if product is to be unused for extended periods of time

## Technical Specifications

Battery	DC 4.5V (AAA*3)
Standby Current	<130uA
Working Current	Volume HIGH <140mA Volume LOW <80mA
Alarm Volume (30cm)	HIGH >100db LOW 90-100db
Wireless Protocol	WiFi2.4GHz
Working Temperatur	-10~50°C
Wireless Distance between the Device and Router	Open Area: 60~80m

## NOTE:

- Alkaline batteries are recommended.
- The product is for indoor use only. Do not install outside.

## FCC Warnings

**Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference
2. this device must accept any interference received, including interference that may cause undesired operation.

Shielded cables must be used with this unit to ensure compliance with the Class B FCC limits.

**NOTE:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:


- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.



---

## Documents / Resources

	<a href="#">ROULE WD02A Wi-Fi Keypad Controlled Door Alarm Sensor</a> [pdf] User Manual WD02A Wi-Fi Keypad Controlled Door Alarm Sensor, WD02A, Wi-Fi Keypad Controlled Door Alarm Sensor, Keypad Controlled Door Alarm Sensor, Controlled Door Alarm Sensor, Door Alarm Sensor, Alarm Sensor
---	--

## References

- [User Manual](#)