**Door/Window Sensor User Manual**

HKWL-DWS02W

1. PRODUCT OVERVIEW

HKWL-DWS02W is a Wi-Fi wireless Door/Window sensor, you can monitor the status of your door/window in real time through your smart phone. When it is triggered, there will be a push notification to your APP to notify of this event

2. PRODUCT FEATURES

● Standard 2.4G wireless Wi-Fi communication technology, two methods for Wi-Fi inclusion, EZ and AP;
● It reports the event immediately when the tamper button is triggered;
● It detects the battery level and reports the electricity values when door/window sensor or tamper button is triggered after connected to the network;
● It is dormant to save power consumption under the normal working condition;
● Supports OTA firmware update;
● Compliant with CE, FCC and ROHS.

3. PRODUCT STRUCTURE

Latch buttonLED   Button   Tamper button

Sensor body   Magnet
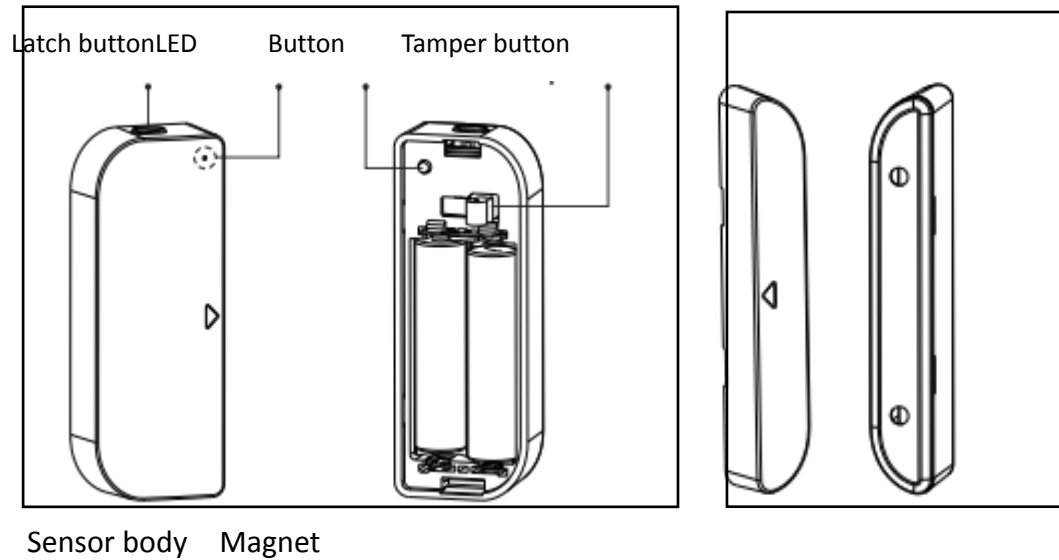
Definition of LED Indicator

In/out of the network	Long press/short press the button	LED indicator turns blue for 0.5s ,then off
In the network	Long press/short press the tamper button	LED indicator turns blue for 0.5s ,then off
	Door sensor triggered	LED indicator turns blue for 0.5s ,then off
Out of the network	Long press/short press the tamper button	LED indicator turns purple for 0.5s , then off
	Door sensor triggered	LED indicator turns purple for 0.5s , then off
	EZ Mode	LED indicator blink fast in red
	AP Mode	LED indicator blink slow in red

Button Instruction

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In the network	Press and hold the button for 5s then release, resume to default setting , the LED indicator will blink fast in red, then it enters into EZ inclusion mode
Out of the network	Press and hold the button for 5s then release to switch EZ/AP mode

Note:

1. In the network: Device has been included into the network.
2. Out of the network: Device is in the status of default setting , never configured Wi-Fi

4. SPECIFICATIONS

Power supply	2*AAA battery , 3V
Wireless transmitting and receiving frequency	2.4GHz—2.484GHz
network protocol supported	IEEE802.11 b/g/n
Transmitting power	802.11b:20dBm±2dBm@1Mbps 802.11g:14dBm±2dBm@54Mbps 802.11n:14dBm±2dBm@MCS7_HT20
Receiving sensitivity	802.11b:-91dBm@11Mbps 8%PER 802.11g:-75dBm@54Mbps 10%PER 802.11n:-72dBm@MCS7_HT20 10%PER
Vector error EVM	802.11b:≤35% 802.11g:-28dBm max. 802.11n:-28dBm max.@MCS7_HT20
working temperature	-10—+40℃
Storage temperature	-40—+70℃
Relative humidity	8%—80%

5. INSTALLATION

1) The two parts of the Door Window Sensor should be placed in a manner such that when the door/window is closed, they are within 10MM from each other. By opening the door or window, Sensor body and magnet should separate in proximity.
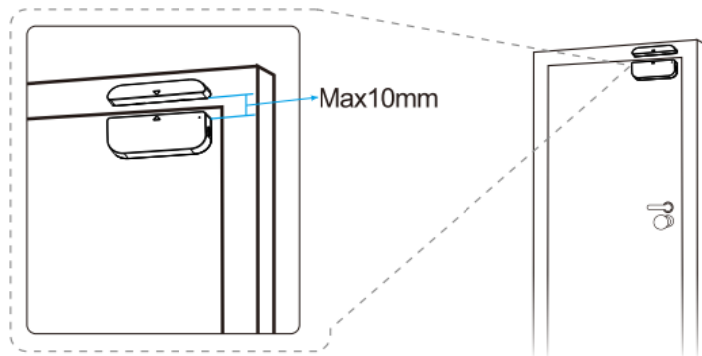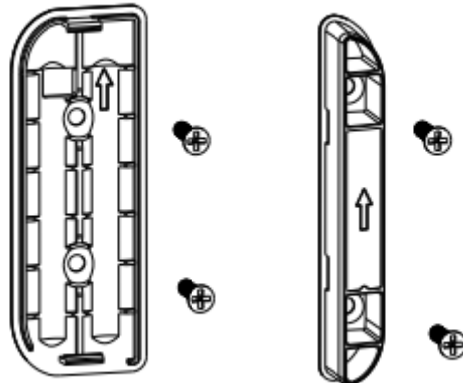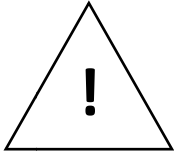

NOTE:
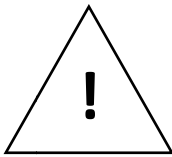
1. Door Window Sensor should not be mounted directly on or near metal framing or other large metallic objects since metal objects may weaken the radio signal strength.
2. Door Window Sensor should only be placed indoors and away from water and other extreme weather conditions.

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2) Screw the bidirectional mounting plate and magnet into the wall, door or window frame. (presented below figure)
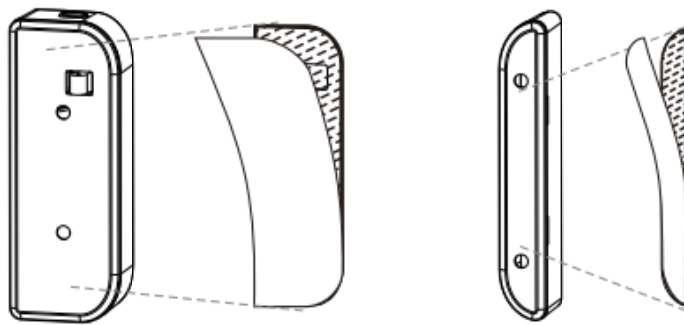
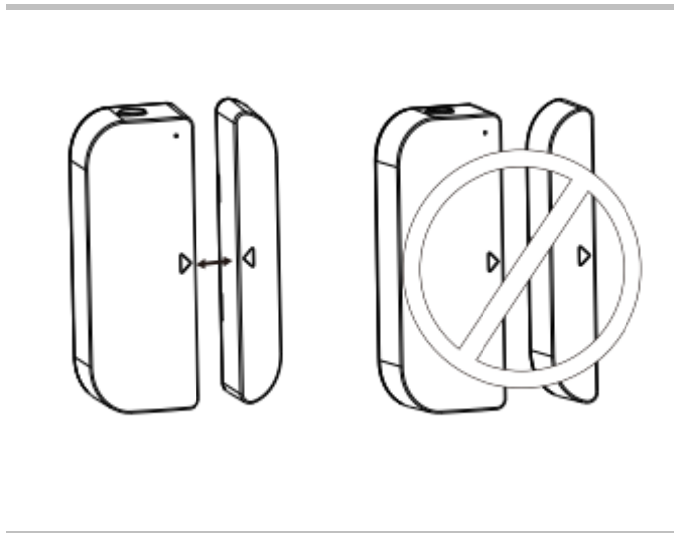3) Attach the double-sided mounting tape to the covers and to adhere to the wall, door or window frame.

⚠ **NOTE:**

Wipe clean the surface where the Door Window Sensor will be mounted. Any dust and particles can reduce the adhesion of double-sided mounting tape.

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4) Ensure that the orientation marks of the sensor body and the magnet are oriented towards each other.
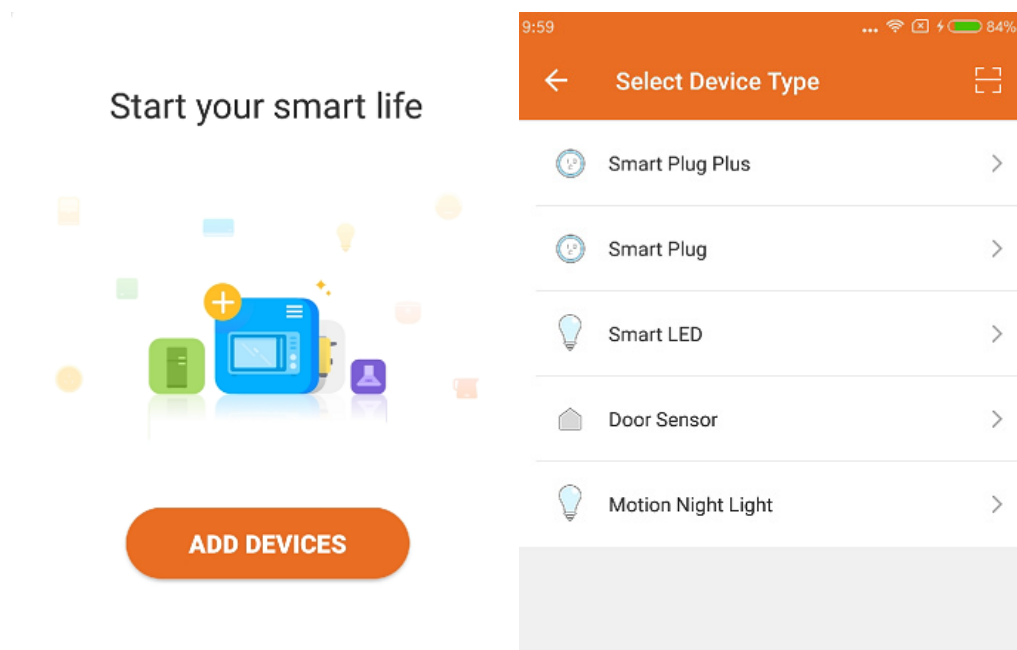
6. Download app

Scanning following two QR codes to download APP for Android and IOS System
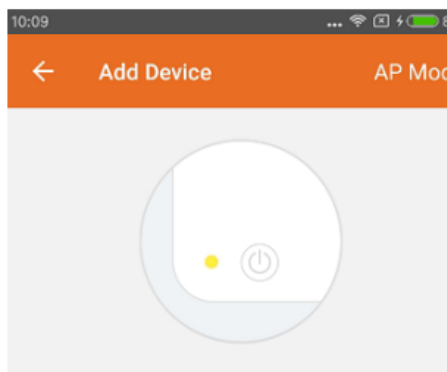

Android IOS

7. **Add Devices**

7.1 Click "ADD DEVICES", Select the Device Type "Door Sensor"

● EZ mode

7.2 Power on, the red LED indicatorwill blink fast, then enter the EZ mode, click the "Confirm indicator rapidly blink", and input the Wi-Fi password, click OK, it will show
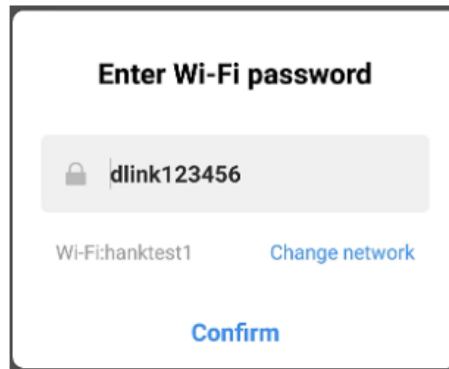
"connecting now". Once it is connected successfully, clickOK and return to the main interface.

- AP mode

7.3 Power on, the LED indicator will blink fast in red , press and hold the button for 5S time, then the LED indicator will blink slowly in red. Select AP Mode, click "Confirm indicator slowly blink", and input Wi-Fi password, click "Confirm".

Open the smartphone Wi-Fi list, select SmartLife_XXXX, and get back when connected successfully, it will show "Connecting now" then. Once it is connected successfully, click OK and return to the main interface.
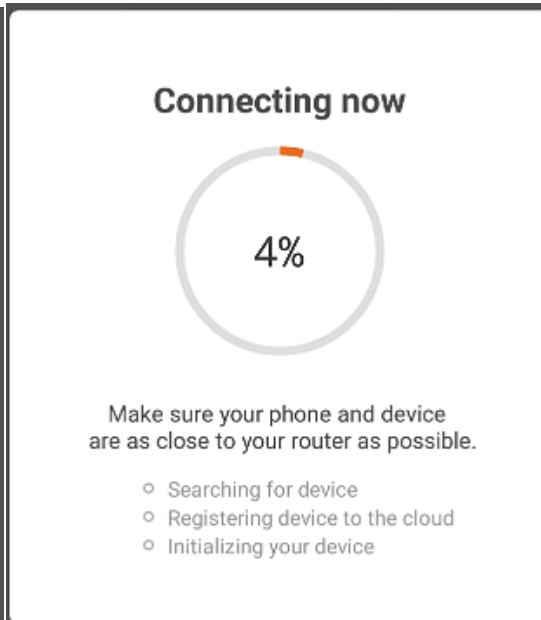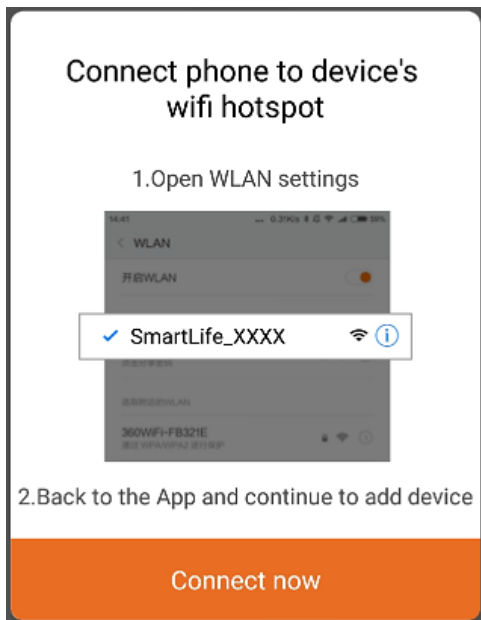
8. FCC NOTICE (for USA)

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.

The manufacturer is not responsible for any radio or tv interference caused by unauthorized modifications or change to this equipment. Such modifications or change could void the user's authority to operate the equipment.

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.

Note: The device has been evaluated to meet general RF exposure requirement. To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body