

Flood Sensor User Manual

HKWL-FLD01W

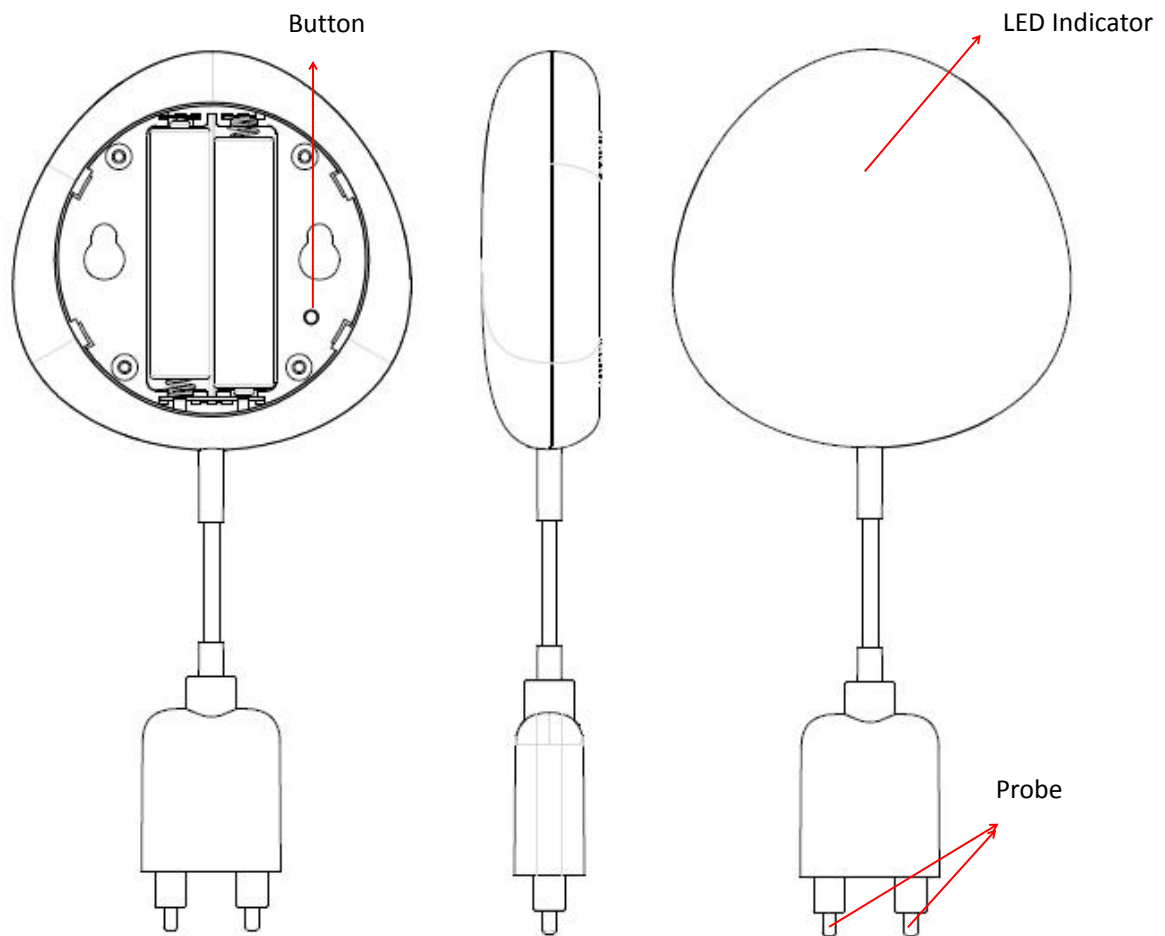
1. PRODUCT OVERVIEW

HKWL-FLD01W is a smart Flood sensor based on wireless solution. While a water leak happens or the leak disappears, a notification/alert will be sent to your APP on your mobile devices. Furthermore, it can be configured as a trigger associated with some alarm devices based on the same system.

2. PRODUCT FEATURES

- Working in 802.11 b/g/n;
- Support EZ or AP mode for Wireless connection;
- Support water leak detection;
- Support battery level detection and low battery alarm;
- Support 2xAAA battery powered and low power consumption;
- Wall mounted installation with extended detecting cable to 2 meters;
- Led indicates the working state;
- Compliant with CE, FCC and ROHS;

3. PRODUCT STRUCTURE



Button activities and LED indicator:

- 1)** Press and hold the button for 5 seconds to enter into Wi-Fi connection (or configuration). The red LED indicator will blink rapidly (EZ mode) or slowly (AP mode). EZ mode connection is set as default in Wi-Fi configuration. Press and hold the button for 5 seconds will enable the device switch between EZ mode and AP mode.
- 2)** Led will blink once while the button is pressing. When a water leak is detected, the Led will blink once.

4. SPECIFICATIONS

| | |
|-----------------------|---|
| Power supply | 2*AAA battery , 3V |
| Radio frequency | 2.4GHz—2.484GHz |
| Radio protocol | IEEE802.11 b/g/n |
| Transmitting power | 802.11b: +17dBm@11Mbps 802.11g: +15dBm@54Mbps 802.11n: +13dBm@MCS7 |
| Receiving sensitivity | 802.11b:-91dBm@11Mbps 8%PER 802.11g:-75dBm@54Mbps 10%PER 802.11n:-72dBm@MCS7_HT20 10%PER |
| Working temperature | -10 ~ +45℃ |
| Storage temperature | -20 ~ +70℃ |
| Relative humidity | 8% ~ 90%RH(non-condensing) |

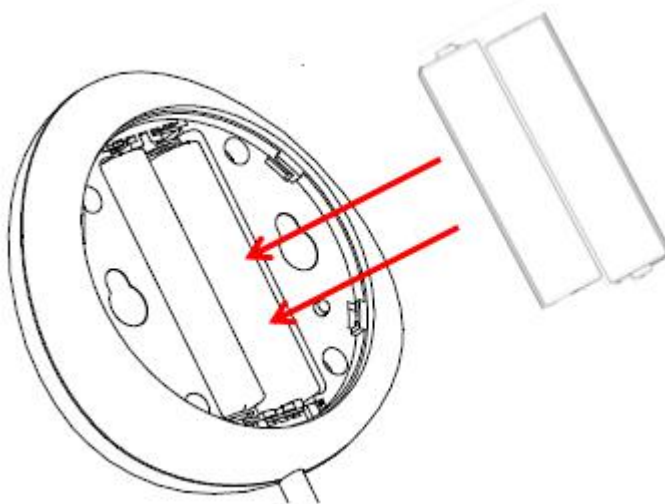
5. INSTALLATION

5.1 AAA battery installation

- 1) Hold the battery cover and rotate it counterclockwise to open the battery cover



- 2) Put 2xAAA battery in with the correct positive and negative electrode.



3) Close the cover and turn it clockwise



5.2 Mount the device on the wall

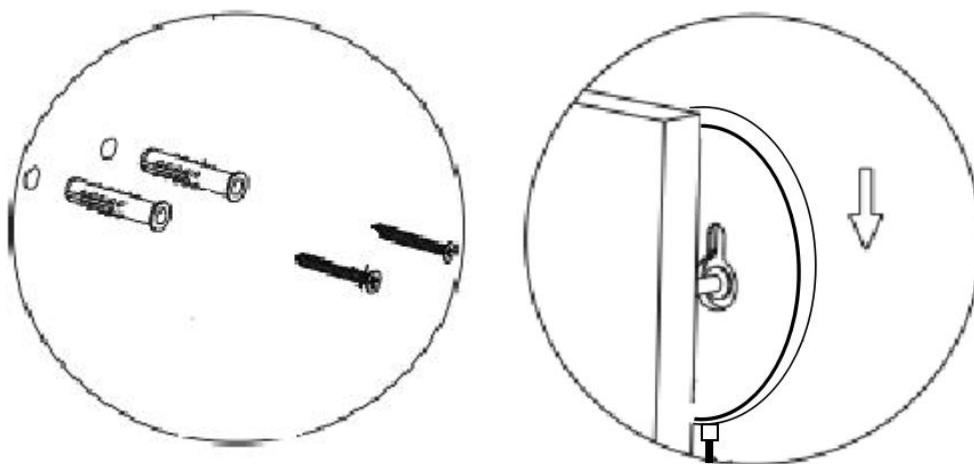
There are 2 methods to mount the device on the wall.

5.2.1 Screw mode

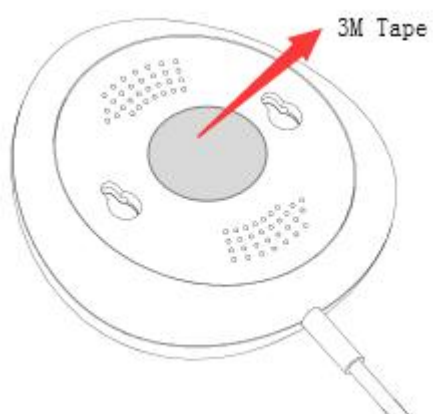
1) Mark the hole location as below figure and drill a hole on the wall accordingly.



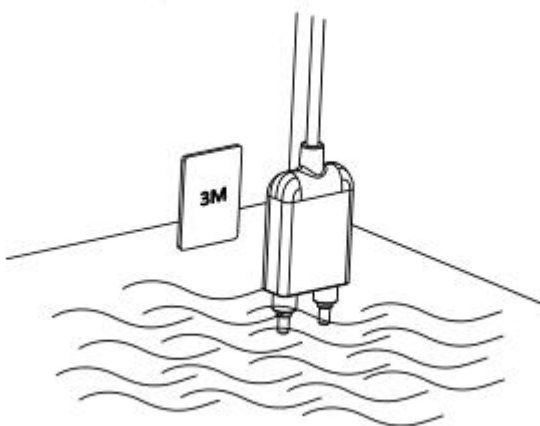
2) Screw the two bolts within the package on the wall leaving the around 5~8mm bolt margin out of the wall. Then hang the device on the two bolts.



5.2.2 3M Tape mode



5.3 Install the probe case on the wall with a 3M tape, keep no gap between the probe and floor.



6. APP download and Account binding

6.1 Scan the QR code below to download APP for Android and iOS system. Or you can download the "Simple Home Connect" APP on Apple Store and Google Play.



Android

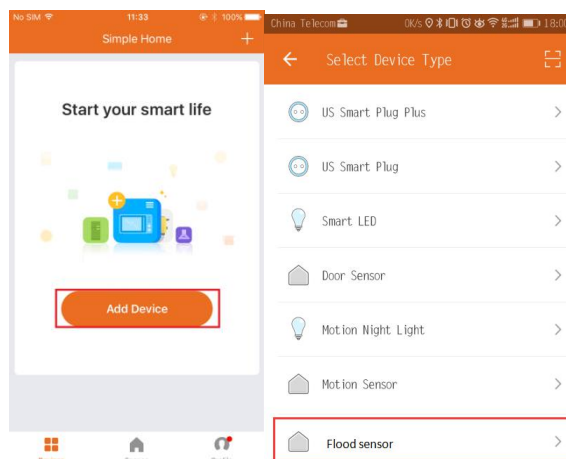


IOS

6.2 Start the APP and register an account with your email address/mobile number (mobile number registration available for China mainland users **ONLY**), and then log in APP with the registered account.

7. Add Device

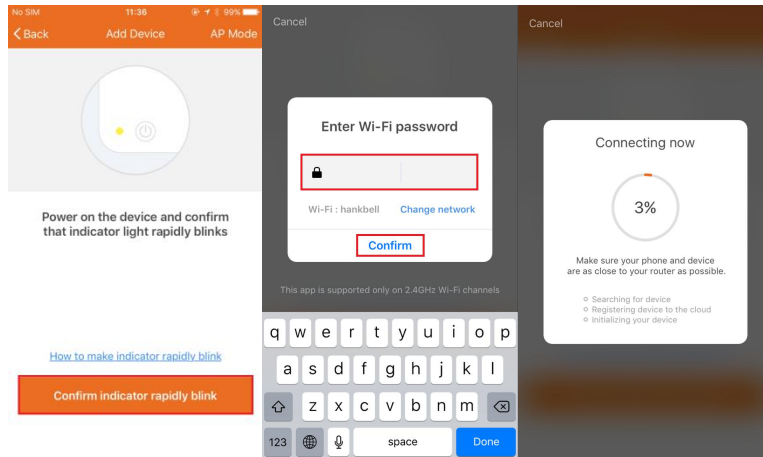
7.1 Click "**ADD Devices**" and select the Device Type "**Flood Sensor**".



7.2 Open the cover and powered on

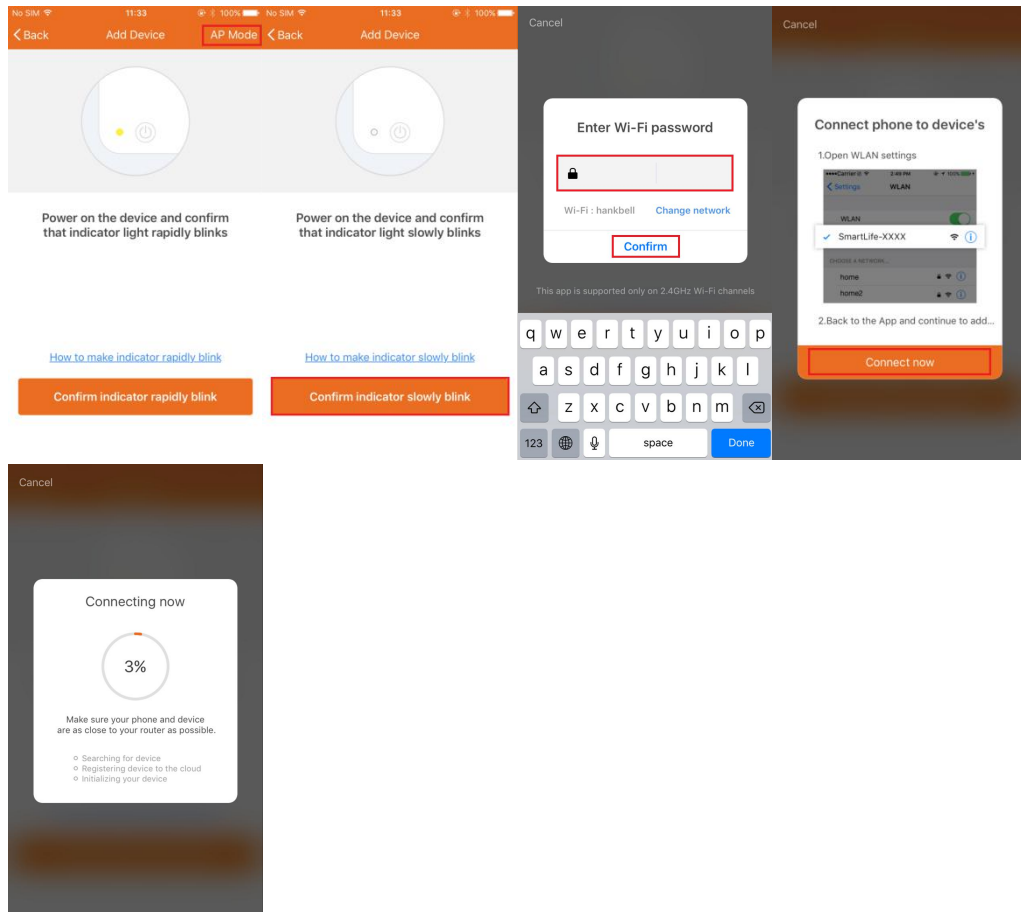
- **EZ mode**

Press and hold the button for 5 seconds and then release, The LED indicator will blink fast in red . Input the password of the designated Wi-Fi network to include the device to Cloud. Waiting for around 60 seconds before the device inclusion process is complete.



● AP mode

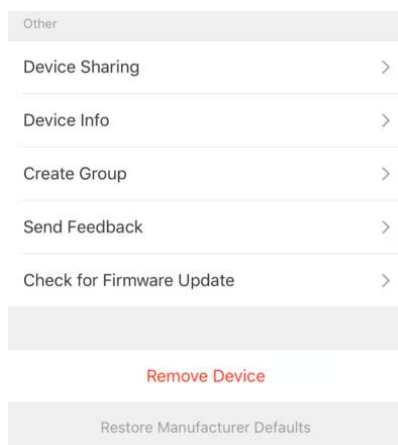
Press and hold the button for 5 seconds and then release. The LED indicator will blink slowly in red. Choose AP Mode, select the Wi-Fi network your mobile is connected to and enter the Wi-Fi password. Select the device AP name in Wi-Fi list “SmartLife-xxxx” to finish the Wi-Fi connection. APP will jump to “connection successful” page when the Wi-Fi connection process is complete.



7.3 Users can re-name or share the device after Wi-Fi connection is finished. Make sure the device is working in EZ/AP mode, if the APP works in EZ/AP mode.

8. Remove and Reset Device

Click “Remove Device” to remove devices, Click “Restore manufacturer Defaults” to reset devices.



9. 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.

RF Warning statement:

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