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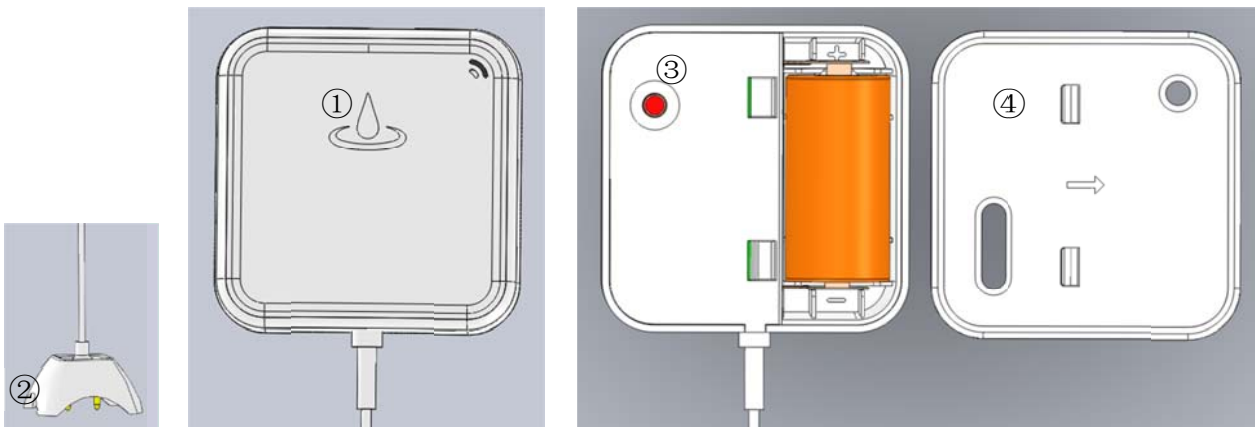

Content:

Water Leak Sensor

User Manual

1. Product Introduction

Using the LEEDARSON Water Leak Sensor and the free LEEDARSON LDS App for your mobile device, you can receive immediate alerts if there is unwanted water in your home (such as in a basement, near a water heater, under an old pipe, or in a bathroom), helping you prevent leaks from turning into floods.

2. Product Profile

① LED   ②Probe   ③Reset/pairing button ④Bracket

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3. Specification

Model name	6AA-SS-ZF-H0
Power Supply	Battery
Power Source	3V, CR123A *1(Replaceable), 65mA
Battery Life	2 years
Communication Protocol	ZigBee
Frequency Range	2400~2483.5MHz
MAX RF Output Power :	10dBm
Wireless Range	100ft (40m)LOS
Operational Temperature	-10℃ - 45℃
Temperature Accuracy	0℃ - 40℃：±1℃　Others: ±3℃
Operating Humidity	Up to 85%　non-condensing
Dimensions (mm)	50(L)*50(W)*24(H)
Mounting	Screws or 3M Tape
Standards Compliance	FCC, CE, ZIGBEE
OTA	Yes
PTI of material	175
Action	Type 1
Glow wire temperature	550℃

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4. Features/Capabilities:

- The LEEDARSON Water Leak Sensor is a universal, ZigBee compatible sensor.

- The LEEDARSON Water Leak Sensor is powered by CR123A battery with 2 years battery life.

- The LEEDARSON Water Leak "alarm" can be sent to ZigBee network devices or to any compatible alarm system hub.

- The LEEDARSON Water Leak Sensor is designed to be mounted on the wall with sensor probes extended by connected wire.

- The LEEDARSON Water Leak Sensor has a built-in LED indicator and an acoustic alarm, notifying the user of:
    - Water leak
    - Operating mode
    - ZigBee network communication range
    - OTA

- The LEEDARSON Water Leak Sensor has a built-in ZigBee hub range tester.
- The LEEDARSON Water Leak has a temperature detection function and the variation information can be sent to ZigBee network.
- Low battery alarm will be sent to ZigBee network devices.
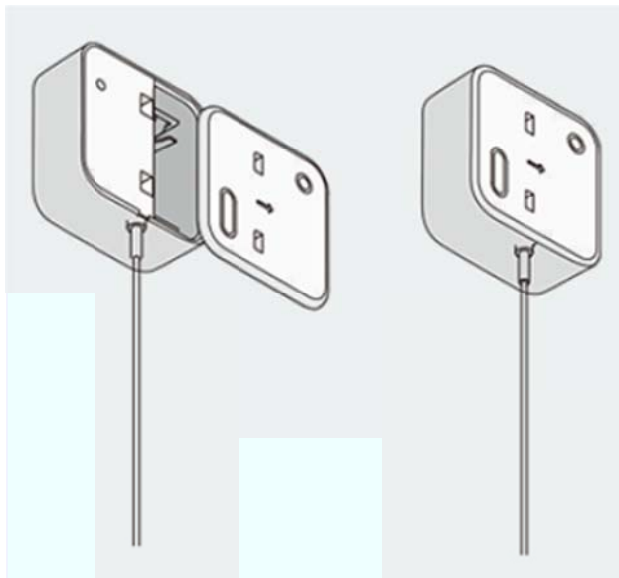
5. Installation Notice

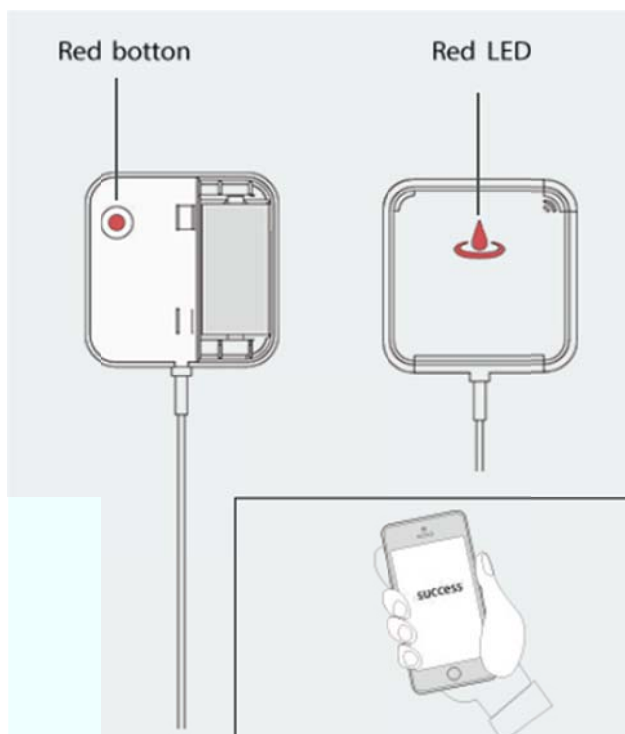If a pool of water forms, moisture must contact both leads to trigger an alert.

1. Install the detector where the water is likely to leak, such as place the Water Leak Sensor in areas like bathrooms, basements, under clogged drains, under older pipes, or in other areas of your home that are prone to leaking so that you can receive an instant alert.
2. Do not locate the detector in cabinet and other places where the alarm sound cannot came out easily.
3. Do not install it at the area with rain, oil smoke and steam of cooking range.
4. Do not install the detector with submersed water.

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6. Installation Guide

1. Push the bracket as the arrow direction from the left side then the bracket will be spilt.
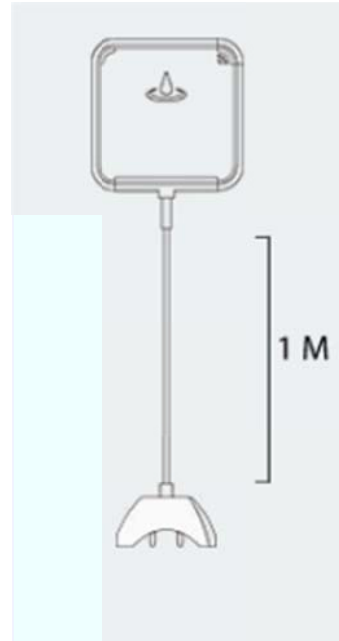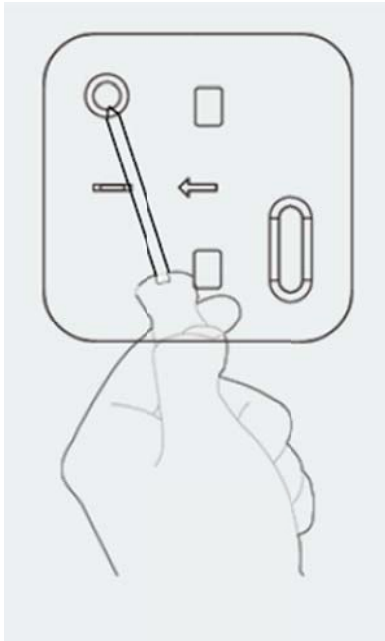

2. Insert the battery, twice click the red button in 1 second. This will cause a LED indicator to flash once per second for 3 minutes. Searching this device in the LDS APP. The LED indicator will turn off with a "beeper" sound to confirm a successful inclusion.
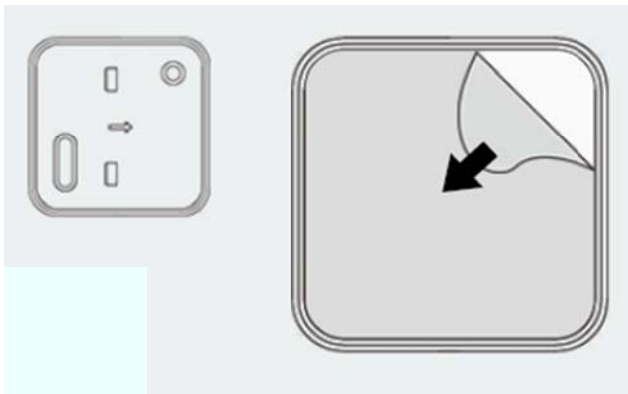
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3. Install the detector where the water is likely to leak. Adjusting the mounting height due to the length of probe line is 1M, then mounting bracket on the wall firmly with screw or 3M tape.
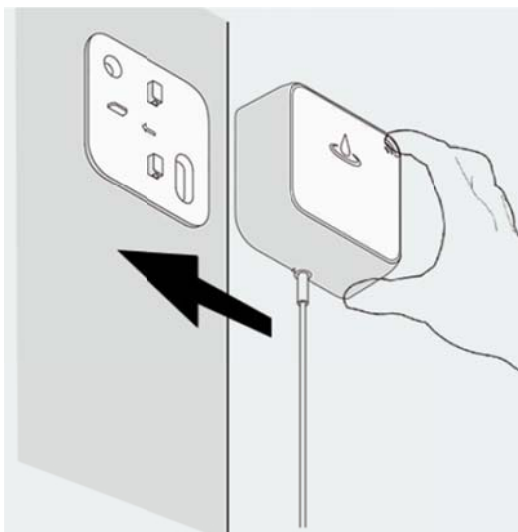
Mounting by screw

Mounting by 3M tamper

4. Mount the sensor into the bracket as the arrow direction shown. Then installation finish.

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7. Product usage

1. Insert 1pcs CR123A battery to the battery cabinet, power on, then one "beeper" sound.

2. How to connect a Water Leak Sensor

Use the red button at the bottom of the sensor to include the Water Leak Sensor into the ZigBee network.

Water Leak Sensor's Inclusion Procedure
① Make sure the sensor is powered.
② Twice click the red button in 1 second. This will cause a LED indicator to flash once per second for 3 minutes.
③ Tap "Add device" in the LEEDARSON LDS App. The LDS App will search for the device.
④ The LED indicator will turn off with a "beeper" sound to confirm a successful inclusion and feedback to ZigBee network devices.
⑤ Click the red button once to cancel the pairing process.

Tip,
When initially setting up the LEEDARSON Water Leak Sensor, it is recommended to perform the setup task within 15 feet (4.5 meters) of the ZigBee Hub.

3. Once the sensor detects leak water, the LED Indicator flashes and a "beeper" sounds once per second. The alarm signal will be sent to gateway once per 5minuts. During alarming status, user can mute the buzzer by APP control. If still detects leakage after 10minutes, the detector will alarm again to warn users. The alarm will be canceled if meet the situation as below.
① Treatment for the water leak.
② User press mute status by APP.
③ Press the button
④ Power off

About alarming, there are four kind settings can be chosen by user in APP.
0 Buzzer mute, LED off
1 Buzzer mute, LED flashes
2 Buzzer ring, LED off
3 Buzzer ring, LED flashes (Default setting)

4. Temperature detection capability: the variation information can be sent to ZigBee network.

5. How to reset a Water Leak Sensor

Reset procedure deletes memory, including all information on the ZigBee network and the hub.

Water Leak Sensor's Reset Procedure:

① Make sure the sensor is powered.

② Press and hold the red button at the bottom of the sensor for 3 seconds until two "beeper" sounds then release the red button.

5. The battery voltage will be down during usage process. When the battery voltage is in low status, the detector will give out low battery signal to gateway.

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8. Note

1. Replace the battery timely on low battery warning to ensure the detector works properly.
2. Do not store any other subjects on the surface of detector, as this may affect the detector works properly.
3. Clean the surface with soft towel regularly.
4. In case the product is failure, do not try to fix it by yourself. Please contact the local distributor.
5. Caution:

   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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

   Changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

   FCC Statement:

   "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.

   This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, Human proximity to the antenna shall not be less than 20cm(8 inches) during normal operation.

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