

HST[®]

Water Leak Detector

HST-HD307

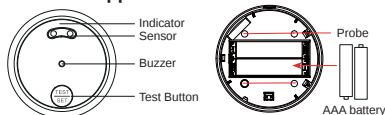


This user manual contains important information about your water leak sensor's operation. To ensure proper use and trouble-free operation, please read this manual carefully and store it in a safe place for future reference.

I. Product Overview

This water leak sensor is a device designed to identify the presence of water leaks or liquid ingress in environments. Utilizing advanced sensing technology, it promptly and accurately detects water presence and transmits alert signals to the alarm host via 433.92MHz wireless frequency for communication. This effectively prevents losses and hazards caused by water damage. Suitable for diverse settings—including homes, offices, warehouses, server rooms, and basements—it provides reliable protection for your property.

1.1 Product Appearance



Indicator: For reflecting the status of the sensor
Sensor: Detecting Dripping
Buzzer: Alarm Sound

Test Button: Pairing, testing
Probe: Detecting water seepage
Batteries: AAA battery*2

1.2 Visual and audible indications

Status	LED Indicator	Alarm Sound
Powering on	The LED flashes red once.	Beep once
Test Alarm	The red LED flashes continuously	3 slow beeps
Water Leak Alarm	The red LED flashes continuously	15 slow beeps
Low Battery Alert	Red LED flash 3 times	3 rapid beeps

II. Technical Specifications

Working Voltage	DC 3V (2X1.5V AAA Batteries)
Alarm Indication	Red LED indicator
Alarm Duration	15s
Alarm Volume	>80dB/1m
Transmission Frequency	433.92MHz
Wireless Transmission	>100m(open area)
Working Temperature	-10°C~+55°C
Working Humidity	<95%RH
Dimensions	Φ 67*24.5mm
Waterproof Level	IP66

III. Operation of Water Leak Sensor

① Insulation sheet removal

Use a screwdriver to open the rear cover, pull out the insulation sheet vertically, and close the rear cover.



② Status test

Press the button and the sensor beeps 1s later, indicating it works well. If not, please open the back cover via screwdriver to replace new batteries.



③ Water detection alarm

The sensor will alarm if you drip some water on the sensor contact or put it on the surface with water.



④ Alarm clear

Remove the device from water and wipe it up to stop alarm.



IV. Pairing with the Alarm Control panel

- 1) Refer to the alarm control panel user manual to operate the panel and enter pairing mode.
- 2) Put the sensor nearby the Alarm Control panel. Press the Push Button and the sensor will send pairing signal;
- 3) Sensor and Alarm Control panel paired successfully.

The Sensor enses beeps and the red LED flashes continuously.



Notice:

- If the Alarm Control panel fails to pair to the sensor in 20s, it will exit the pairing mode.
- There's 1s delay for beep sound after you press the Push Button.
- Please check the above steps and try again if pairing fails.

V. Install the Water Leak Sensor

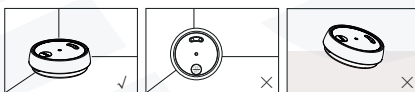
You can use the device near places where water leaks are likely to occur such as near water pipes, basement sump pumps, dishwashers, washing machines, toilets, water heaters, window wells, etc.

Installation Method:

This sensor can simply be placed on a flat surface.

NOTE:

1. Do not place the device upright otherwise no alarm will be triggered.
2. Do not place the device on uneven surfaces as this may cause false alarms.

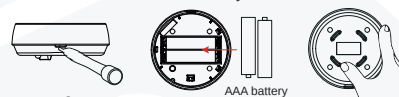


VI. Battery Replacement

When the battery is low, the device will emit three rapid beeps, the red LED will flash three times quickly, and send a low-battery alarm to your alarm control panel to prompt you to replace the battery.

How to Replace the Batteries:

- ① Remove the cover on the back to access the battery compartment.
- ② Remove the used batteries and replace them with equivalent models (2 x AAA batteries)
- ③ Put the cover back on the test your Sensor.



VII. Maintenance

Please shake the device on your hand a few times after it has sounded an alarm to remove any water that may have collected in the buzzer opening. Clean the top and bottom contact probes with a dry cloth and paper towel, then put the device back in its place. This will ensure that the device consistently performs well.

Warning

Keep devices work temperature within -10°C~55°C and humidity below 90%RH. Do not disassemble the device by force. Otherwise, the device may become damaged.

VIII. Troubleshooting

Problem	Cause	Solution
The device does not respond when the Test button is pressed.	The batteries have run out.	Replace the batteries.
The device does not sound when there is a water leak.	The batteries have run out. The device is placed on an unlevel surface.	Replace the batteries. Place the device on a level surface.
A false alarm occurs.	The device is triggered by water or metal objects.	Touching the sensor probes with moist hands will cause an alarm. Some water spills, such as while washing hands, can cause an alarm, especially when using the device in a bathroom. High humidity may cause a false alarm. A metal object connecting the two probes will cause an alarm.
The alarm sound is low.	Water entered the buzzer. The battery level is low.	The device is self-sealing and waterproof, and water that goes into the buzzer will not cause damage to the product. Please take the device in your hand and shake it a few times to remove the water from the alarm opening until the alarm sound returns to normal. Then, put the device back. Replace the batteries.

Environmental Protection

Battery recycling Do not dispose of used batteries with your household waste, but in the recycling bins provided.