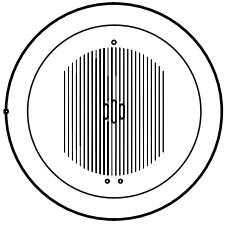
Scan the QR code to view the product model.

X-SENSE | Wi-Fi



SWS0B

User Manual

Water Leak Sensor

Replaceable Battery

X-Sense Electronics Co., Ltd.
Email: support@x-sense.com

F800004000171 V1.1

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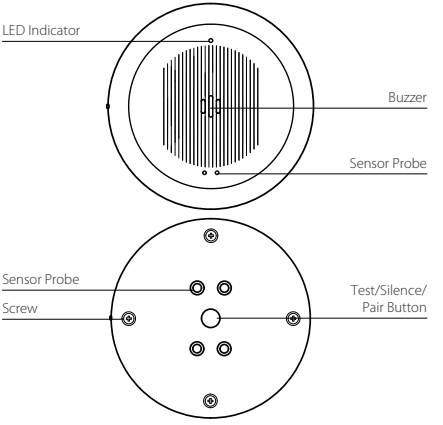
English

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.

1 Introduction

This water leak sensor sounds an alarm as soon as it comes into contact with water. Place it near common household water sources like a dishwasher, water heater, or washing machine. With 2.4 GHz Wi-Fi, it connects directly to the X-SENSE Home Security App. Whenever the device detects a leak or low temperature, you'll instantly receive a push notification on your smartphone so you can take action right away.

2 Product Overview



3 Package Contents



Water Leak Sensor



CR123A Battery
(Pre-installed)



User Manual

4 Device Setup

Download the X-SENSE Home Security App

Download on the Apple App Store

GET IT ON Google Play

To download the app, search for "**X-SENSE Home Security**" in the Apple App Store or Google Play, or simply scan the QR code. Create an account using a valid email address. If you already have an account, make sure it is updated to the latest version.

NOTE: Make sure your smartphone supports iOS 11 and higher, or Android 8.0 and higher.

Before connecting devices, make sure that:

1. You know your Wi-Fi network name and password.
2. You are connecting your device using a 2.4 GHz Wi-Fi network (incompatible with 5 GHz Wi-Fi network).
3. Make sure the Bluetooth on your phone is turned on.

NOTE: When the device is configured via Wi-Fi, make sure your mobile phone and devices are as close to the router as possible, which can speed up device configuration.

Add a Water Leak Sensor to the Network

1. Tap " ⊕ " and select "Water Leak Sensors" in the product list. Select "Wi-Fi Water Leak Sensor (Standalone, working without Base Station)", then select "SWS0B". Create a name for your device and choose its location. Finally, tap "Next" to enter the next page.
2. Follow the prompts on the page by pressing and holding the Test/Silence/Pair button more than 3 seconds until its LED indicator flashes blue rapidly, indicating the device is waiting to connect to the Wi-Fi.
3. Tap "Operation Confirmed", then tap "Next". The page will display "Searching for nearby Bluetooth devices".
4. Select a Wi-Fi network and enter the password. Tap "Next." Make sure the Wi-Fi password you entered is correct.

5. Once connected successfully, the device will beep once and the LED indicator will stop flashing blue. The "Device Added" page will appear. Tap "Finish" to proceed to "Installation & Setup" and complete the installation and signal test.
6. Then you will find the water leak sensor in your device list.

NOTE: If you fail to add the water leak sensor to the network within 120 seconds, the device will automatically exit the network configuration. To re-enter the network configuration, you need to repeat the above steps.

5 Installing Your Device

Installation Location

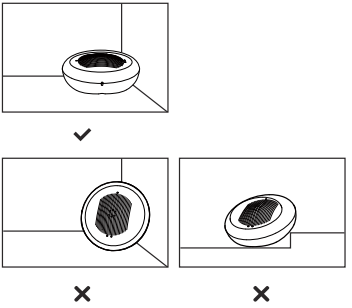
You can use the device near places where water leaks are likely to occur such as near water pipes, basement sump pumps, dishwashers, washing machines, toilets, water heaters, window wells, etc.

Installation Method

This sensor can simply be placed on a flat surface.

NOTES:

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.***



Wi-Fi Signal Test

After completing network pairing, the app will suggest the optimal installation location. Then, follow the app prompts to double press the Test/Silence/Pair button on the water leak sensor. Then the LED will flash green slowly, indicating it is entering the Wi-Fi signal test mode. Make sure the device is placed in the intended installation location. Then tap the Wi-Fi Signal Test button in the app to start the Wi-Fi signal test. The device will automatically check the Wi-Fi signal:

1. **Normal signal:** The LED stops flashing green, the device enters standby mode, and the app indicates that the status is normal. You can continue with the installation.
2. **Weak signal:** The LED stops flashing green, the device enters standby mode, and the app indicates that the Wi-Fi signal is weak at this location and not suitable for installation. Try moving the device to another location and retest in the app.
3. **No signal or test failed:** The LED stops flashing green, the device enters standby mode, and the app indicates that test failed. Check your Wi-Fi coverage or move the device to another location and retest.
4. **Test not completed or failed:** Double-press the Test/Silence/Pair button on the device to start the Wi-Fi signal test again.
5. **Canceling the test:** During testing, single-press the Test/Silence/Pair button to exit the Wi-Fi signal test. The LED will stop flashing green.

Water Leak Detection

When a water leak is detected, the device will sound 3 beeps every 1.6 seconds, paired with the LED flashing red 3 times. This alarm pattern continues for 10 minutes. After 10 minutes, the alarm beeps once every 60 seconds, while the LED keeps flashing red to indicate the device is still alerting.
You can press the Test/Silence/Pair button on the device or the Silence button in the app to stop the alarm sound and LED immediately. A push notification will appear confirming the alarm has been muted. If the device remains in water after muting, it will not sound another alarm or send repeated notifications.
When the device status changes, such as when the water is cleared, the alarm will stop, and you will receive a notification in the app that the alert has ended.

Low Temperature Detection

When the ambient temperature drops below 39°F (4°C), the device will sound 2 beeps every 1.6 seconds, paired with the LED flashing red twice. This alarm pattern continues for 10 minutes. After 10 minutes, the alarm beeps once every 60 seconds, while the LED keeps flashing red to indicate the device is still alerting.
You can press the Test/Silence/Pair button on the device or the Silence button in the app to stop the alarm sound and LED immediately. A push notification will appear confirming the alarm has been muted. If the device remains at or below39°F (4°C) after muting, it will not sound another alarm or send repeated notifications.
When the temperature rises to 43°F (6°C)or above, the low-temperature alarm stops, and you will receive a notification in the app that the alert has ended.

NOTE: If no action is taken when a water leak or low temperature is detected, the device will keep sounding an alarm until the battery runs out.

Remind Me Later

When the device is triggered, the app will show a "Remind Me Later" option on your phone. You can use this button to temporarily silence the device for a set period (10 minutes, 30 minutes, 2 hours, 6 hours, or 12 hours).

1. If the timer ends and the sensor still detects a water leak or the temperature remains below 39°F (4°C), the device will send alerts again.
2. If the water leak stops or the temperature rises above 43°F (6°C) while the timer is running, you will also receive an app notification.

The "Remind Me Later" function can be disabled at any time. This feature allows you to postpone alerts while you resolve water leaks or low-temperature issues.

NOTES:

1. *The Silence and "Remind Me Later" functions for water leak and low-temperature alarms work independently and do not affect each other.*
2. *You cannot cancel the "Remind Me Later" timer from the app. It will automatically end when the set time expires or the alarm condition is resolved.*

Test Mode

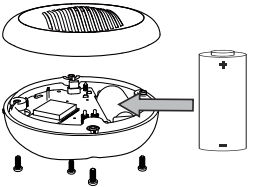
Short press the Test/Silence/Pair button on the bottom of the device. The alarm will beep 3 times with the LED flashing red 3 times, then switch to rapid blue flashing. The LED will automatically stop flashing after the test is completed. You will receive a push notification on your smartphone, indicating that the device is functioning properly.

Low Battery Mode

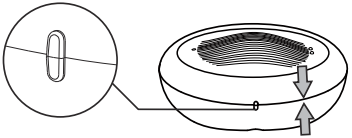
When the battery is low, the LED indicator will flash red once every 60 seconds paired with one beep. Your app will warn you with a low battery notification.

6 Battery Replacement

When the battery is low, the LED will flash red once every 60 seconds paired with one beep to remind the user to replace the battery. You will receive a low-battery notification on your phone via the app. To replace the battery, remove all screws, take out the used battery, and replace it with one new CR123A battery. Then, reinstall the screws and test the device.



NOTE: After replacing the battery, you need to align the positioning points of the upper and lower shells to close the cover and then screw the device closed.



7 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

1. Keep the device operating at a temperature between 32–122°F(0–50°C) and humidity below 100% RH.
2. Do not disassemble the device by force. Otherwise, the device may become damaged.

8 Technical Specifications

Product Name	Water Leak Sensor
Model	SWS0B
Power Supply	3 V (⎓) CR123A lithium battery × 1 (replaceable)
Battery Life	2 years
Maximum Service Life	5 years
Sensor Type	Water sensor probe
	Temperature sensor
Low Temperature Alarm Threshold	≤ 39°F (4°C)

Low Temperature Alarm Accuracy	±1.8°F (±1°C)
Operating Temperature	32–122°F (0–50°C)
Operating Relative Humidity	≤ 100% RH (non-condensing)
Storage and Transport	This apparatus should be stored at 14-122°F (-10-50°C), 5%-95% RH (non-condensing)
Waterproof Rating	IP66
Band	2400-2483.5 MHz (incompatible with 5 GHz Wi-Fi network)
Number of Allowed Devices	One app account can create up to 5 houses. Each house can add 1 base station and 49 Wi-Fi products. The Wi-Fi products can include this product as well as other X-Sense Wi-Fi products.
App	X-SENSE Home Security (both Android and iOS supported)
Wi-Fi Transmission Range	Within the router's coverage area
Wireless Protocol	IEEE 802.11b/g/n

NOTES:

1. *Battery life is calculated on the current ratings in the standby mode with weekly testings. If its operation mode changes to an alarming condition, the battery life will be decreased accordingly.*
2. *The water leak sensor functions between 32 and 122°F (0 and 50°C). Prolonged exposure to temperatures outside of this range can reduce battery life and affect accuracy. We do not recommend operating the device outside of this range.*

9 Troubleshooting

Problem	Solution
The device does not respond when the Test/Silence/Pair button is pressed.	**Cause 1:** The device is not activated. **Solution:** Press and hold the Test/Silence/Pair button for 3 seconds to activate the device. **Cause 2:** The battery ran out. **Solution:** Replace the battery.
The device does not sound when there is a water leak.	**Cause 1:** The battery ran out. **Solution:** Replace the battery. **Cause 2:** The device is placed on an unlevel surface. **Solution:** Place the device on a level surface.

The temperature dropped, but the device didn't sound a low temperature alarm right away.	**Cause 1:** The device wasn't in the cold for long enough. **Solution:** The device needs to stay in a low-temperature environment for a while before the alarm goes off. Depending on how cold it is and the surroundings, it may take from a few minutes to several tens of minutes to trigger. **Cause 2:** The ambient temperature isn't low enough. **Solution:** The device will only trigger a low temperature alarm if the temperature stays at or below 39°F (4°C) for a certain period.
A false alarm occurs.	**Cause 1:** The device is triggered by water or metal objects. **Possible reasons:** 1. Touching a pair of top or bottom sensor probes with your hand will cause an alarm (touching just one sensor probe will not) 2. Some water spills, such as while washing hands, can cause an alarm, especially when using the device in a bathroom. 3. High humidity may cause a false alarm. 4. A metal object connecting the two probes will cause an alarm.

	Cause 2: The device triggered a low temperature alarm, but the environment is not actually too cold. **Possible reasons:** 1. The device is installed near doors, windows, or air vents, where direct cold airflow causes the temperature sensor to cool down rapidly. 2. The device is mounted on an exterior wall or placed near cold water pipes or a refrigerator, leading to false alarms due to a lower surrounding temperature. 3. Sudden temperature changes (such as opening a door or switching on/off an air conditioner or heater) may cause a temporary drop in temperature, triggering the alarm.
The alarm sound is low.	**Cause 1:** Water entered the buzzer. **Solution:** The device itself is 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. **Cause 2:** The battery level is low. **Solution:** Replace the battery.

The water leak sensor failed to connect to the network.	**Cause 1:** The Wi-Fi name and/or password entered are wrong. **Solution:** Enter the correct Wi-Fi name and password. **Cause 2:** The device is not connected to 2.4 GHz Wi-Fi. **Solution:** This device works with 2.4 GHz Wi-Fi (not compatible with 5 GHz networks). **Cause 3:** The phone's Bluetooth is not turned on. **Solution:** Turn on the phone's Bluetooth. **Cause 4:** The water leak sensor is not entering pairing mode. **Solution:** Press and hold the device's Test/Silence/Pair button for more than 3 seconds, and the LED will flash blue rapidly, indicating that the device has entered Wi-Fi pairing mode.

The app push notification is delayed or there are no push alerts.	**Cause 1:** The battery ran out. **Solution:** Replace the battery. **Cause 2:** The app push notification permission is disabled. **Solution:** Turn on the push notification permission on the phone. **Cause 3:** The communication between the water leak sensor and router is not stable or they are too far apart. **Solution:** Reduce the obstacles between the water leak sensor and router, and ensure that the water leak sensor is within the router's coverage area. **Cause 4:** The network connection of the router and the mobile phone is abnormal. **Solution:** Make sure the network connection of the router and the mobile phone is normal.

10 Battery Warning

⚠WARNING

1. KEEP NEW OR OLD USED BATTERIES OUT OF REACH OF CHILDREN.
2. In the event of a battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice immediately.

3. NEVER charge a battery unless it is a rechargeable battery.
4. Do not mix alkaline, standard (carbon-zinc) or rechargeable (Ni-Cd; Ni-MH) batteries.
5. Different types of batteries or new and used old batteries are not to be mixed. Do not mix batteries of different manufacturers, capacities, or sizes.
6. Batteries must be inserted with the correct polarity. Replacement of a battery with

an incorrect type can defeat the safeguard. There will be a risk of fire or explosion if a battery is replaced by an incorrect type.

7. Test the water leak sensor for correct operation using the test facility, whenever the battery is replaced.

11 FCC Statement

1. 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.
2. Note: This equipment has been tested and found to comply with the limits for a Class B digital device. 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 to 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.
3. Changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.
4. The distance between user and products should be no less than 20 cm.

Environmental Protection

The crossed-out wheeled-bin symbol on your product, literature, or packaging reminds you that all electrical and electronic products, batteries, or accumulators must be taken to designated collection

locations at the end of their working life. Do not dispose of these products as unsorted municipal waste. Dispose of them according to the laws and rules in your area.



12 Manufacturer and Service Information

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