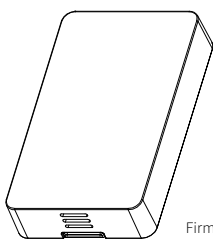




TEMPERATURE | HUMIDITY  
XS SENSOR ZSE44 800LR



Firmware 2.0



www.getzooz.com

FEATURES

- Monitor temperature and humidity via Z-Wave®
- NEW 800 series chip for faster communication and more battery life than ever
- Z-Wave® Long Range for ultra reliable no-mesh communication
- Snap-in mounting bracket
- Powered by a single coin battery
- The latest S2 security and SmartStart for secure set-up
- Supports OTA firmware updates

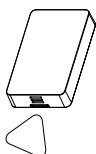
SPECIFICATIONS

- Model Number: ZSE44 800LR
- Power: 1 x CR2450 battery
- Operating Temperature: 40°-90° F
- Dimensions: 2.2" x 1.3" x 0.2"
- Range: Up to 150 feet (up to 1300 ft with Long Range) line of sight
- Installation and Use: Indoor or outdoor under eave (can't be exposed to direct rainfall or sun, a little splash is OK)

INSTALLATION

1. POWER THE SENSOR

Use the triangle tool to gently open the sensor's cover and access the battery. Pull the tab from under the battery to activate the sensor. Don't close the cover just yet. The LED indicator will start blinking for around 10 seconds once the sensor is powered.

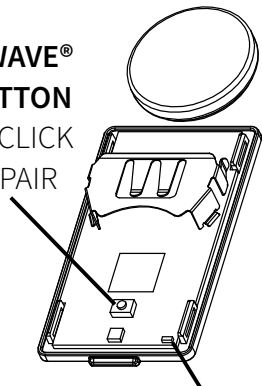


The LED indicator doesn't blink or light up at all?

- Make sure the battery is inserted correctly per the positive / negative pole marks.
- Try a fresh lithium non-rechargeable battery.
- Click the Z-Wave® button 3 times as quickly as possible to force inclusion/exclusion mode in case you missed when it first flashed.

Z-WAVE®  
BUTTON

3 x CLICK  
TO PAIR



LED INDICATOR

Z-WAVE® CONTROL

1. ADD DEVICE to your hub

Initiate inclusion (pairing) in the app (or web interface). Not sure how? ask@getzooz.com  
If you're using an S2 hub, it will ask you to enter the DSK PIN or scan the QR code printed on the inside of the sensor's battery cover to complete SmartStart inclusion.

2. ACTIVATE the sensor

While the hub is looking for new devices, click the Z-Wave® button 3 times as quickly as possible. The LED indicator will start flashing to confirm inclusion mode and turn off once inclusion is completed.

TIP!

It's best to add your sensor from the area where it will be installed so the hub can find the best route to reach it right away.

SmartStart enabled products can be added into a Z-Wave® network by scanning the Z-Wave® QR Code present on the product with a controller providing SmartStart inclusion. No further action is required and the SmartStart product will be added automatically within 10 minutes of being switched on in the network vicinity. Choose your hub and scan the QR code with your phone's camera. Then click on the link to access the step-by-step pairing instructions.



Z-Box Hub



Hubitat



Home Assistant



SmartThings

TROUBLESHOOTING

The sensor won't add to your system? Try this:

1. Initiate **EXCLUSION** in your hub and click the Z-Wave® button 3 times as quickly as possible.
2. Click the Z-Wave® button **quicker** when adding it.
3. Bring the sensor **closer** to your hub, it may be out of range.
4. Double-check if the device is powered.
5. Get troubleshooting tips specific to your hub at [www.support.getzooz.com](http://www.support.getzooz.com)

EXCLUSION (REMOVE DEVICE)

1. Bring the sensor within **direct range** of your Z-Wave® hub.
2. Put the Z-Wave® hub into **exclusion** mode (not sure how to do that? ask@getzooz.com).
3. Click the **Z-Wave® button 3 times** as quickly as possible.
4. Your hub will confirm exclusion and the sensor will disappear from your controller's device list.

FACTORY RESET

When your network's primary controller is missing or otherwise inoperable, you may need to reset the device to factory settings manually. In order to complete the process, make sure the sensor is powered, then **click the Z-Wave® button twice and hold it the third time for 10 seconds**. The LED indicator will blink continuously. **Immediately after, click the Z-Wave button twice more to finalize the reset**. The LED indicator will flash 3 times to confirm a successful reset.

**NOTE: All previously recorded activity and custom settings will be erased from the device's memory.**

WAKE-UP MODE

The sensor's wake-up interval is set to 12 hours by default to save battery life. Use the Wake Up Command Class to adjust the interval. **Click the Z-Wave® button 4 times quickly to wake the sensor up manually**. The LED indicator will flash once to confirm the device is awake. During wake-up, the sensor turns the Z-Wave® radio on for one minute to receive communication from the hub. Long wake-up interval will not affect how often the sensor reports to your hub so we recommend leaving the default setting to conserve battery.

ASSOCIATION

The XS Sensor supports Group 1 for Lifeline communication and Groups 2-5 with up to 5 devices per group for basic on/off control. Use Group 2 for high temperature alerts; Group 3 for low temperature alerts; Group 4 for high humidity alerts; and Group 5 for low humidity alerts. See parameters 5-8 to set the thresholds.

Please note that not all Z-Wave® systems give users access to direct association settings so if you're not sure where to find it, please get in touch with our support and we'll be happy to help.

## ADVANCED SETTINGS

**Parameter 2:** Decide when the sensor should report **low battery** to the hub.

**Values:** 10-50 (% battery life).

**Default:** 5

**Size:** 1 byte dec

**Parameter 3:** Set the **temperature reporting threshold**. The sensor will send a new temperature report if the difference compared to last reading exceeds the value set here.

**Values:** 10 – 100 (degrees where 10 equals 1 degree); **Default:** 20.

**Size:** 1 byte dec

**Parameter 4:** Set the **humidity reporting threshold**. The sensor will report a new humidity value if the difference compared to last reading exceeds the value set here.

**Values:** 1 – 50 (%); **Default:** 10.

**Size:** 1 byte dec

**Parameter 16:** Set the **temperature reporting interval**. The sensor will report temperature at least that often.

**Values:** 0 – disable this setting; 1 – 480 (minutes); **Default:** 240.

**Size:** 2 byte dec

**Parameter 17:** Set the **humidity reporting interval**. The sensor will report humidity at least that often.

**Values:** 0 – disable this setting; 1 – 480 (minutes); **Default:** 240.

**Size:** 2 byte dec

**Click the Z-Wave® button 4 times quickly to wake the sensor up after updating the settings.**

We listed the most helpful settings above. For a complete list of parameters, please go to [www.support.getzooz.com](http://www.support.getzooz.com) or scan the QR code for a direct link to all of the settings. >>>



**Not sure how to access advanced settings on your hub? We'll help! [ask@getzooz.com](mailto:ask@getzooz.com)**

## MOUNTING

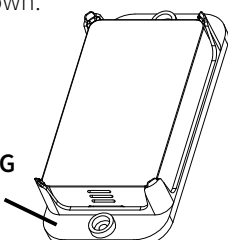
### INDOOR MOUNTING

1. We recommend including your sensor to the Z-Wave® network from the location you want to install it before you actually mount it.
2. Place the sensor on a dry and clean surface in the space you'd like to monitor temperature and humidity. Use the supplied adhesive tape to fix the sensor to the surface, with the battery slot and sensor perforation pointing down.
3. Test the sensor overnight to make sure it's reporting both temperature and humidity according to the settings. It may take up to 48 hours to adjust to the environment so give it a couple of days before evaluating the reports.

### OUTDOOR MOUNTING

1. Install the product outdoors under eave with the snap-on mounting bracket (included) for best results.
2. Add the sensor to Z-Wave® from the area where it will be installed before mounting it.
3. Use the supplied screws to fix the mounting bracket to a dry clean surface around the spot you'd like to monitor.
4. Insert the sensor into the bracket, it should snap right on. Remember to position the device so that the sensor perforation is pointing down.

**SNAP-ON MOUNTING BRACKET**



Scan to register your product for extended warranty and direct access to firmware files.

## BATTERY POWER TIP!

This sensor runs on a coin battery with smaller capacity than the lithium CR batteries used in other sensors so you may see the battery readings fluctuate from low to higher readings when the sensor is awake during programming and testing. The battery will usually go back to its stable reading within a few hours so always allow a day or two after you see the first lower reading before checking on the actual battery life left for your device.



This product can be included and operated in any Z-Wave® network with other Z-Wave® certified devices from other manufacturers and/or other applications. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network. This product features the latest Security 2 (S2) framework to remove smart home network hacking risks. This device is equip-ped with a unique authentication code for trusted wireless communication.

## ⚠ WARNING

- This product should be installed indoors or outdoors under eave upon completion of any building renovations.
- Prior to installation, the device should be stored in a dry, dust-and-mold-proof place.
- Do not install the device in a place with direct sun exposure, high temperature, or humidity.
- Keep away from chemicals, water, and dust.
- Ensure the device is never close to any heat source or open flame to prevent fire.
- No part of the device may be replaced or repaired by the user except for the batteries.

## WARRANTY

This product is covered under a 12-month limited warranty and 5-year extended warranty once registered. To read the full warranty policy, register your product, or file a warranty claim, please go to [ww.getzooz.com/warranty](http://ww.getzooz.com/warranty)

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### FCC NOTE

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT. STORE INDOORS WHEN NOT IN USE. SUITABLE FOR DRY LOCATIONS ONLY. DO NOT IMMERSE IN WATER. NOT FOR USE WHERE DIRECTLY EXPOSED TO WATER.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions:

1. This device may not cause harmful interference,
  2. This device must accept any interference received, including interference that may cause undesired operation.
- 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 according to instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in any given installation.

If this equipment causes harmful interference to radio or television reception, the user may try to correct the interference by taking one or more of the following measures:

- Reorient or relocate receiving antenna
- Increase the separation between equipment and receiver
- Connect equipment into a separate outlet or circuit from receiver
- Consult the dealer or an experienced radio/TV technician for additional assistance

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