

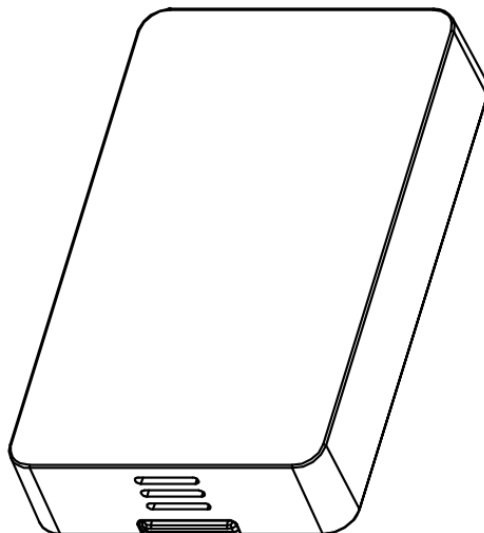


ZOOZ ZSE44 Humidity XS Sensor User Manual

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ZOOZTM
bright ideas

USER MANUAL
TEMPERATURE | HUMIDITY
XS SENSOR ZSE44



Firmware 1.10

www.getzooz.com



FC S2

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FEATURES

- Monitor temperature and humidity via Z-Wave
- NEW 700 series chip for faster communication and more battery life than ever
- Extra small for discreet mounting
- Snap-in mounting bracket available (sold separately)
- Powered by a single coin battery
- The latest S2 security and SmartStart for secure set-up
- Supports OTA firmware updates

SPECIFICATIONS

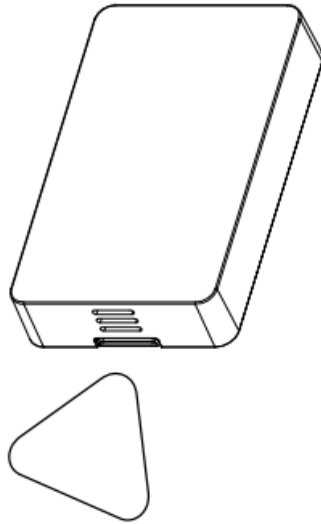
- Model Number: Z SE44
- Power: 1 x CR2450 battery
- Operating Temperature: 5°-104° F
- Dimensions: 2.2" x 1.3" x 0.2"
- Range: Up to 130 feet line of sight
- Installation and Use: Indoor or outdoor under an eave (can't be exposed to direct rainfall or sun, a little splash is OK)

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.

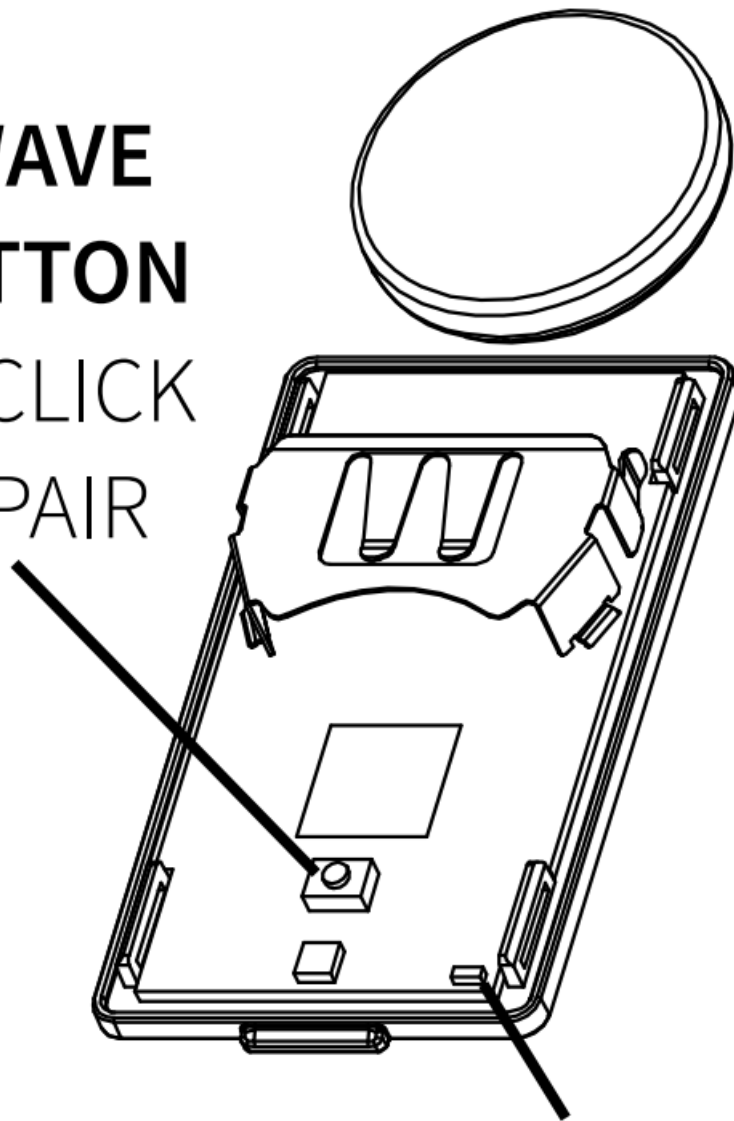


The LED indicator doesn't blink or light up at all?

- Make sure the battery is inserted correctly per the positive/negative pole marks.
- Try a fresh lithium nonrechargeable 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.

NEED SOME HELP?

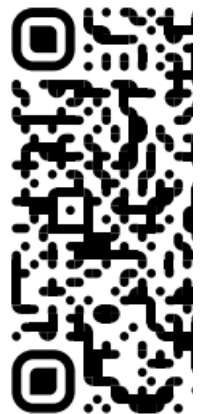
ask@getzooz.com

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.



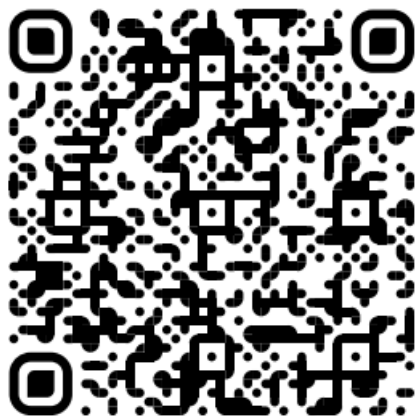
SmartThings

<https://www.support.getzooz.com/kb/article/813-how-to-add-your-zse44-temperature-humidity-xs-sensor-to-smartthings/>



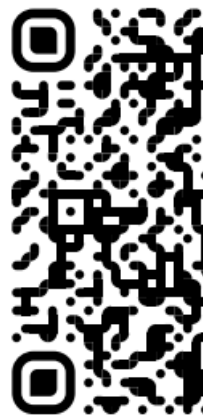
Hub

[https://www.support.getzooz.com/kb/article/813-how-to-add-your-zse44-temperature-humidity-xs-sen](https://www.support.getzooz.com/kb/article/813-how-to-add-your-zse44-temperature-humidity-xs-sensor-to-smartthings/)



Home Assistant

<https://www.support.getzooz.com/kb/article/852-how-to-add-your-zse44-temperature-humidity-xs-sensor-to-home-assistant/>



Vera

[https://www.support.getzooz.com/kb/article/852-how-to-add-your-zse44-temperature-humidity-xs-sen](https://www.support.getzooz.com/kb/article/852-how-to-add-your-zse44-temperature-humidity-xs-sensor-to-home-assistant/)

Get more tutorials and helpful tips at www.support.getzooz.com

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

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 twice to confirm that 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 a 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 the 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 the 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 one. 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 one. 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 and update the settings.

We listed the most helpful settings above. For a complete list of parameters, please go to

www.support.getzooz.com or scan the QR code for a direct link to all of the settings.



<https://www.support.getzooz.com/kb/article/853-zse44-temperature-humidity-xs-sensor-advanced-settings/>

Not sure how to access advanced settings on your hub? We'll help! ask@getzooz.com

MOUNTING

INDOOR MOUNTING

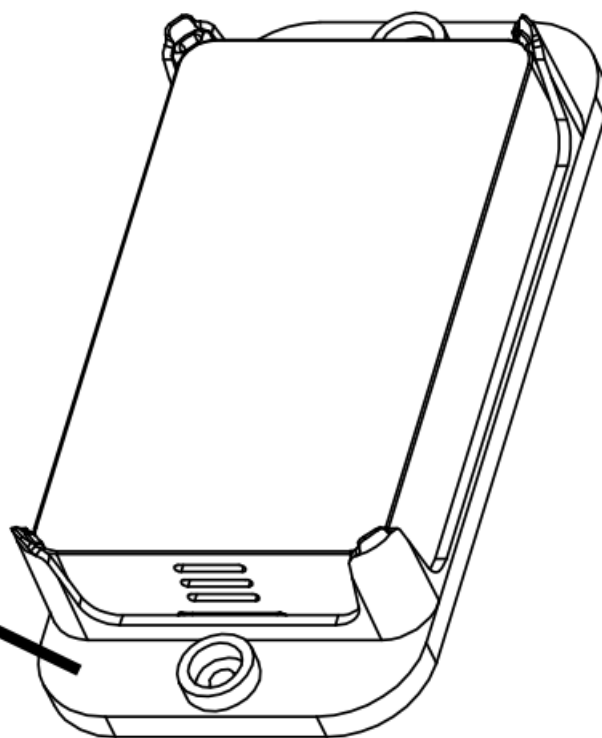
1. We recommend including your sensor to the Z-Wave network from the location you want to install it before you actually mount it.
2. Place the sensor on a dry and clean surface in the space you'd like to monitor temperature and humidity. Use the supplied adhesive tape to fix the sensor to the surface, 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 (sold separately) 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

SOLD
SEPARATELY



BATTERY POWER TIP!

This sensor runs on a coin battery with a 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 of your device.

QUESTIONS? ask@getzooz.com



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 the reliability of the network. This product features the latest Security 2 (S2) framework to remove smart home network hacking risks. This device is equipped with a unique authentication code for trusted wireless communication.



WARNING

- This product should be installed indoors or outdoors under even 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 5year limited warranty. To read the full warranty policy or file a warranty claim, please go to www.getzooz.com/warranty

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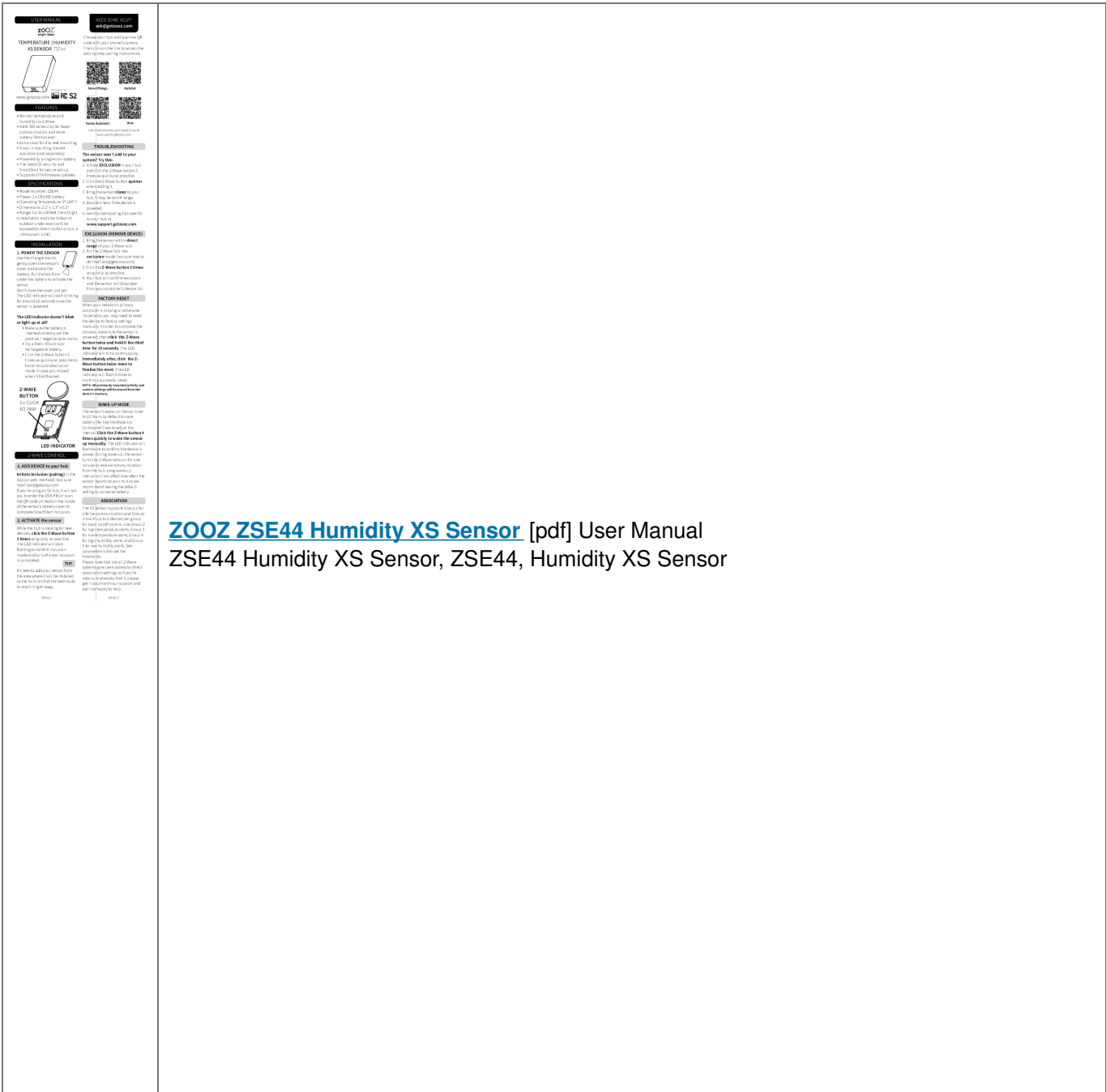
FCC NOTE

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- Reorient or relocate receiving antenna
- Increase the separation between equipment and receiver
- Connect the 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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Documents / Resources



References

- [ZOOZ – Smart Home Technology](#)
- [Home - Zoos Support Center](#)