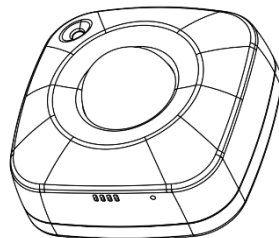




Z-WAVE 4-IN-1 SENSOR  
ZSE40

MOTION / LIGHT / TEMPERATURE / HUMIDITY



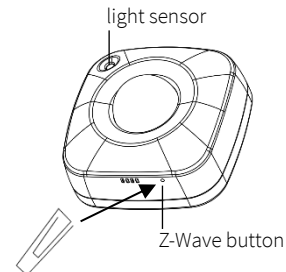
Z-Wave Plus Certified Device

- ▶ 4 smart sensors in 1 compact device
- ▶ 7 levels of motion sensitivity
- ▶ 4 modes for motion / temperature LED indicator notifications
- ▶ Built-in tamper protection
- ▶ Low battery alerts
- ▶ Z-Wave Plus with improved 500 chip for faster and safer wireless communication
- ▶ AES signal encryption (security-enabled controller required for best performance)

Model Number: ZSE40  
 Z-Wave Signal Frequency: 908.42 MHz  
 Power: 2 AAA batteries  
 Range: Up to 100 feet line of sight  
 Operating Temperature: 5° - 104° F  
 Installation and Use: Indoor only  
 In the box: 4-in-1 sensor, 2 AAA batteries, mounting hardware

Let us know if you are having any issues installing or operating the device. Our fast and friendly tech support is here to help, every day of the year:  
[ask@getzooz.com](mailto:ask@getzooz.com)  
 Get more helpful tips at [getzooz.com](http://getzooz.com)

**WAIT!**  
 Include the 4-in-1 sensor to your Z-Wave network before mounting it.

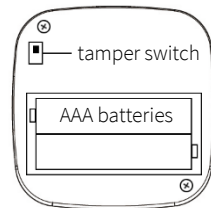


Use a paperclip for inclusion, exclusion, factory reset, and manual wake-up.

1. Install batteries and bring the 4-in-1 sensor within direct range of your Z-Wave gateway controller
2. Put your Z-Wave controller in inclusion mode
3. Press and release the Z-Wave button TWICE quickly
4. A new 4-in-1 sensor should appear on your controller's device list

If you are unable to include the Z-Wave sensor to your controller, please try one of the following:

- Bring the 4-in-1 sensor closer to your Z-Wave controller
- Press and release the Z-Wave button quickly several times once you put the controller in the inclusion mode to ensure the command has gone through
- Put your controller in EXCLUSION mode and press and release the Z-Wave button TWICE quickly, then try adding it to your network again
- Make sure you are clicking the Z-Wave button located in the small opening on the bottom of the sensor and NOT the tamper switch located above the battery slot



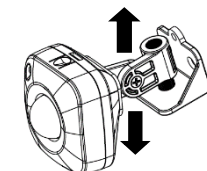
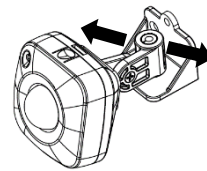
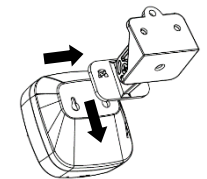
1. Bring the 4-in-1 sensor within direct range of your Z-Wave gateway controller
  2. Put your Z-Wave controller in exclusion mode
  3. Press and release the Z-Wave button TWICE quickly
  4. The device should disappear from your controller's device list.
- The LED indicator will flash 3 times when you take the batteries out and put them back in to indicate the device has been successfully excluded. Please repeat the process following all steps carefully if the LED indicator blinks only once when you re-insert the batteries.

If you change settings and parameters for the sensor, you may need to wake it up manually for the changes to be recorded. Press and release the Z-Wave button ONCE to wake the device up. The LED indicator will flash ONCE. The sensor's wake-up interval is set to 12 hours by default to save battery life. Though not recommended, you can change the wake-up interval using your controller's advanced settings if available.

If your primary controller is missing or inoperable, you may need to reset the device to factory settings. To complete the reset process manually, remove the back cover to trigger tamper switch. Press and release the **Z-Wave button** 10 TIMES quickly (within 10 seconds) using a paperclip.  
 NOTE: All previously recorded activity and custom settings will be erased from the device's memory.

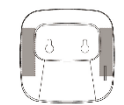
**WAIT! This sensor may only be used and installed indoors. Outdoor installation will void its warranty.**  
 For best results, mount the sensor within 30 feet from the door and around 7 feet from the ground. The 4-in-1 Sensor will detect motion up to 40 feet depending on mounting location and sensitivity settings. There are 2 ways to mount the 4-in-1 Sensor on the wall, ceiling, or in the corner of a room:

1. Use the 2 screws included in the box to fix the mounting bracket to flat surface of your choice - at least 7 feet above the ground for best results.



Once the bracket is securely installed, carefully slide the 4-in-1 sensor onto the bracket and position it by tilting it to either side, upwards, or downwards - just like in the images below.

2. Use the supplied adhesive tape to fix the sensor to a CLEAN flat surface of your choice. Make sure you apply the tape according to below instructions.



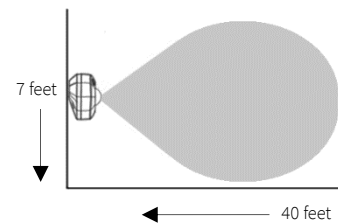
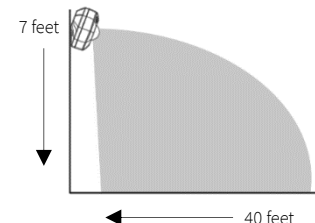
corner installation



ceiling installation

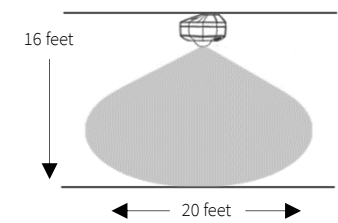


wall installation



7 feet

40 feet



16 feet

20 feet

Certified Z-Wave products from different manufacturers and product categories can be a part of the same Z-Wave network. Non-battery powered nodes can act as signal repeaters to other devices in the network regardless of manufacturer or brand.

Depending on your Z-Wave gateway's home automation software capabilities, you may be able to associate your Z-Wave 4-in-1 sensor in groups with other Z-Wave devices to schedule scenes and create events.

Zooz 4-in-1 sensor supports Group 1 with up to five devices for lifeline communication. To associate the sensor with other devices, simply put your Z-Wave controller in Association mode by sending the appropriate command and put the 4-in-1 sensor in wake-up mode by pressing and releasing its Z-Wave button.

#### ADVANCED SETTINGS

Once the 4-in-1 sensor is added to your Z-Wave network, you are able to monitor the values reported by the device on your computer or mobile device.

Please refer to your controller's user guide for advanced programming instructions as they are a little different for every software.

#### **Temperature Sensor**

Parameter 1: Use this parameter to switch from Fahrenheit to Celsius scale.  
Values: 0 – Celsius. 1 – Fahrenheit (default).  
Size: 1 byte dec.

Parameter 2: Use it to set temperature change to be reported by the sensor.  
Values: 1 - 50 (where 1 stands for 0.1 degree and 50 stands for 5 degrees). Default set to 1 degree (value 10). The sensor will report new temperature value to the controller whenever temperature goes 1 degree up or down.  
Size: 1 byte dec.

#### **Humidity Sensor**

Reports relative humidity.  
Parameter 3: Use it to set humidity percentage change to be reported by the sensor.  
Values: 1 - 50 where 1 stands for 1% and 50 stands for 50%. Default set to 10%.  
Size: 1 byte dec.

#### **Light Sensor**

Reports light level in percentage (1-100).  
Parameter 4: Use it to choose light percentage change to be reported by the sensor.  
Values: 5 - 50 where 5 stands for 5% and 50 stands for 50%. Default set to 10%.  
Size: 1 byte dec.

#### **Motion Sensor**

Parameter 5: Use it to set trigger interval - the time when motion is reported again after initial trigger.  
Values: 15 - 60 where 15 stands for 15 seconds and 60 stands for 60 seconds.  
Default set to 15 seconds.  
Size: 1 byte dec.  
NOTE: Small interval will increase activity and decrease battery life.

Parameter 6: Use it to adjust PIR sensor sensitivity.  
Values: 1 - 7, where 1 = very high sensitivity and 7 = very low sensitivity. Default set to 3.  
Size: 1 byte dec.

#### **LED notifications**

LED indicator will flash every 3 minutes or whenever you press the Z-Wave button to indicate temperature level.

How to read LED indicator colors?

Green = under 60°F  
Blue = 60°-75°F  
Yellow = 75°-83°F  
Purple = 83°-97°F  
Red = over 97°F / motion detected / tamper switch triggered

Parameter 7: Use it to choose between LED indicator modes.  
Mode 1 = LED indicator is turned off (no visual notifications).  
Mode 2 = temperature indicated with pulsing light. Motion indicated with flashing light.  
Mode 3 = temperature and motion indicated with flashing light.  
Mode 4 = no indication for temperature, motion indicated with flashing light.  
Values: 1 - 4. Default set to 4.  
Size: 1 byte dec.  
NOTE: Mode 2 will increase activity and decrease battery life.

#### **Tamper Switch**

Tamper switch is activated whenever sensor's cover is removed while the device is powered up. It will send an alarm notification as scheduled.

#### Z-WAVE COMMAND CLASSES

This device requires the following command classes to be supported and recognized by your Z-Wave controller:  
COMMAND\_CLASS\_ASSOCIATION\_GRP\_INFO  
COMMAND\_CLASS\_ASSOCIATION\_V2  
COMMAND\_CLASS\_BATTERY  
COMMAND\_CLASS\_CONFIGURATION

COMMAND\_CLASS\_DEVICE\_RESET\_LOCALLY  
COMMAND\_CLASS\_FIRMWARE\_UPDATE\_MD\_V2  
COMMAND\_CLASS\_MANUFACTURER\_SPECIFIC\_V2  
COMMAND\_CLASS\_NOTIFICATION\_V4  
COMMAND\_CLASS\_POWERLEVEL  
COMMAND\_CLASS\_SECURITY  
COMMAND\_CLASS\_SENSOR\_MULTILEVEL\_V7  
COMMAND\_CLASS\_VERSION\_V2  
COMMAND\_CLASS\_WAKE\_UP\_V2  
COMMAND\_CLASS\_ZWAVEPLUS\_INFO\_V2

#### WARRANTY

This Limited Warranty applies to physical goods, and only for physical goods, purchased from Zooz (the "Physical Goods").

#### **What does this limited warranty cover?**

This Limited Warranty covers any defects in material or workmanship under normal use according to instructions from the User Manual during the Warranty Period. Warranty coverage applies to purchases made from authorized dealers only. See full list of Zooz distributors here: [getzooz.com/buy](http://getzooz.com/buy)  
During the Warranty Period, Zooz will repair or replace, at no charge, products or parts of a product that prove defective because of improper material or workmanship, under normal use and recommended maintenance. Zooz does not assume the cost of return

shipping for warranty service.

#### **How long does the coverage last?**

The Warranty Period for Physical Goods purchased from Zooz is 12 months from the date you purchased this product.

#### **What does this limited warranty not cover?**

This Limited Warranty does not cover any problem that is caused by:  
- conditions, malfunctions or damage not resulting from defects in material or workmanship  
- improper handling or installation of the product  
The warranty does not cover purchases from unauthorized dealers or second-hand sources. The warranty does not cover return shipping cost for warranty service.

#### **What do you have to do?**

To obtain warranty service, please contact us to determine the problem and offer a quick solution for you: [warranty@getzooz.com](mailto:warranty@getzooz.com)  
You may also get in touch with the reseller of the product directly to return or replace the product within 30 days of purchase or within applicable reseller's returns period.

IN NO EVENT SHALL ZOOZ OR ITS SUBSIDIARIES AND AFFILIATES BE LIABLE FOR ANY INDIRECT, INCIDENTAL, PUNITIVE, SPECIAL, OR CONSEQUENTIAL DAMAGES, OR DAMAGES FOR LOSS OF PROFITS, REVENUE, OR USE INCURRED BY CUSTOMER OR ANY THIRD PARTY, WHETHER IN AN ACTION IN CONTRACT, OR OTHERWISE EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. ZOOZ'S LIABILITY AND CUSTOMER'S EXCLUSIVE REMEDY FOR ANY CAUSE OF ACTION ARISING IN CONNECTION WITH THIS AGREEMENT OR THE SALE OR USE OF THE PRODUCTS, WHETHER BASED ON NEGLIGENCE, STRICT LIABILITY, BREACH OF WARRANTY, BREACH OF AGREEMENT, OR EQUITABLE PRINCIPLES, IS EXPRESSLY LIMITED TO, AT ZOOZ'S OPTION, REPLACEMENT OF, OR REPAYMENT OF THE PURCHASE PRICE FOR THAT PORTION OF PRODUCTS WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. ALL CLAIMS OF ANY KIND ARISING IN CONNECTION WITH THIS AGREEMENT OR THE SALE OR USE OF PRODUCTS SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING WITHIN THIRTY (30) DAYS FROM ZOOZ'S DELIVERY, OR THE DATE FIXED FOR DELIVERY IN THE EVENT OF NONDELIVERY.

#### **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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