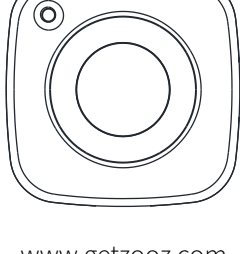## ZOOZ™
bright ideas

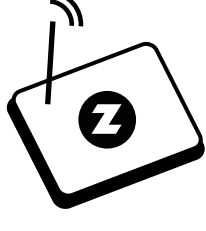**4-IN-1 SENSOR**
ZSE40 VER. 2.0

www.getzooz.com

FEATURES

• 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 + 500 chip more range and longer battery life
• AES encryption (security-enabled hub required for best performance)

SPECIFICATIONS

• Model Number: ZSE40 VER. 2.0
• Z-Wave Signal Frequency: 908.42 MHz
• Power: 1 CR123A battery
• Range: Up to 100 feet line of sight
• Operating Temperature: 5-104° F
• Installation and Use: Indoor only

Z-WAVE CONTROL

1. Insert the battery.
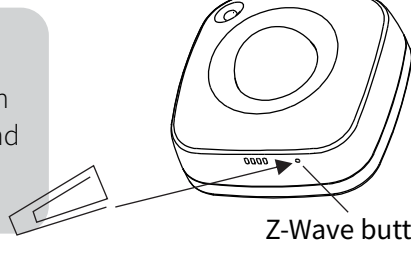2. Place the sensor near the location where it will be mounted.

3. ADD DEVICE to your hub
Initiate inclusion (pairing) in the app (or web interface). Not sure how? Get step-by-step instructions for adding the sensor to **SmartThings, Vera,** and other hubs here: www.support.getzooz.com

4. Finalize inclusion at the sensor. CLICK Z-WAVE BUTTON TWICE QUICKLY

Use a paperclip (included in the box) to access the Z-Wave button for inclusion, exclusion, reset, and manual wake-up.

Z-Wave button

5. The LED indicator will flash 5 times (color depends on room temperature, it's usually blue or yellow) to signal communication and then turn off to confirm inclusion. If the sensor flashes once only, try factory reset and go to Step 1. If the sensor doesn't flash at all, try pressing the button more firmly.

TROUBLESHOOTING

The sensor won't add to your system? Try this:
1. Initiate **EXCLUSION** and click the Z-Wave button on the sensor twice.
2. Make sure the battery **cover is closed** tightly when adding the sensor.
3. Click the Z-Wave button on the sensor **6-7 times quickly** when adding it.
4. Bring the sensor **closer** to your hub, it may be out of range.
5. Double-check if the **battery** is inserted correctly.
6. Get troubleshooting tips for your hub at **www.support.getzooz.com**

EXCLUSION (REMOVING / UNPAIRING DEVICE)

1. Bring the sensor within direct range of your Z-Wave gateway (hub).
2. Put the Z-Wave hub into exclusion mode (not sure how to do that? ask@getzooz.com).
3. Press and release the Z-Wave button with a paperclip twice quickly.
4. Your hub will confirm exclusion and the device will disappear from your controller's device list.

FACTORY RESET

If your primary controller is missing or inoperable, you may need to reset the device to factory settings. To complete the reset process manually, **OPEN the back cover** to trigger tamper switch. **Press and release the Z-Wave button** using a paperclip **10 TIMES quickly** (within 10 seconds). The sensor will start flashing immediately and will again flash 5 times after the 10 clicks (color depends on room temperature, it's usually blue or yellow).

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. You can change the wake-up interval using your controller's advanced settings if available.
During wake-up, the sensor receives communication from the hub (setting updates or network information). Long wake-up interval will **not** affect how often the sensor reports motion and other values to your hub.
MANUAL WAKE-UP
Press and release the Z-Wave button **once** to wake the device up. The LED indicator will flash once (blue or orange).
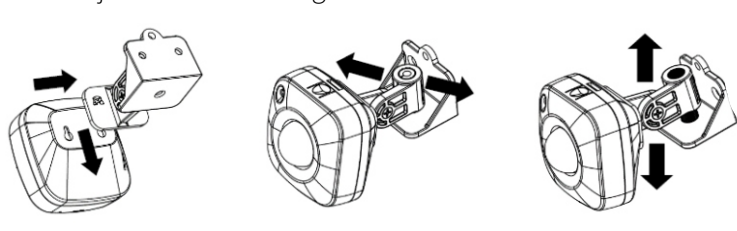You may need to wake the sensor up manually IF:
1. It doesn't fully configure during set-up (values are not displayed or errors pop up in your hub's interface).
2. You change advanced settings for the sensor and want them to update.
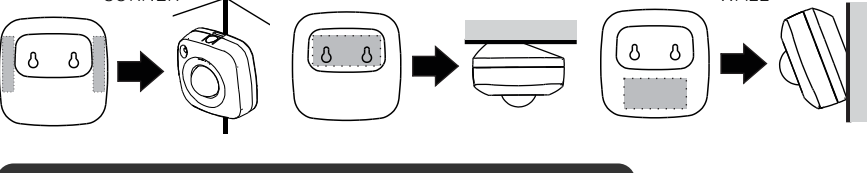
MOUNTING

OPTION 1: MOUNTING BRACKET
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.

OPTION 2: ADHESIVE TAPE
Use the supplied adhesive tape to fix the sensor to a CLEAN flat surface of your choice. Apply the tape as in the pictures below.

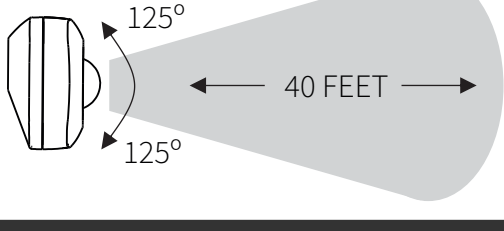CORNER   CEILING   WALL

⚠ INDOOR ONLY!

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.

MOTION DETECTION RANGE

See **Advanced Settings** for ways to optimize and customize motion detection and activity reports.

125°
125°
40 FEET

⚠ WARNING

• This product should be installed indoors 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 sensor 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.
• Ensure the device is connected to an electric power source that does not exceed the maximum load power.
• No part of the device may be replaced or repaired by the user, except for the battery.

Please refer to your controller's user guide for advanced programming instructions as they are a little different for every software.
Not sure where to start? Go to www.support.getzooz.com for detailed instructions how to change the settings on SmartThings, Vera, and more. Or just email us: ask@getzooz.com

ASSOCIATION

Associate your 4-in-1 with other Z-Wave devices for direct communication between them so your rules and automations can take place even if the hub is down.
The 4-in-1 sensor supports Group 1 with up to five devices for lifeline communi-cation. To associate the sensor with other devices, simply put your Z-Wave controller in Association mode by sen-ding the appropriate command and wake up the sensor by clicking the Z-Wave button with a paperclip once (the LED indicator will flash once).

CUSTOMIZE YOUR SENSOR

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 C 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 - 255 where 15 stands for 15 seconds and 255 stands for 255 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 whenever you press the Z-Wave button to indicate temperature level and wake-up mode.

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
Flashing red = low battery

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. Flashes every 3 minutes for temperature.
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 located to the left of the battery slot. It's activated whenever the sensor's cover is removed while the device is powered up. It will send an alarm notification as scheduled.

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
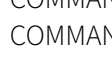COMMAND_CLASS_SENSOR_MULTILEVEL_V7
COMMAND_CLASS_VERSION_V2
COMMAND_CLASS_WAKE_UP_V2
COMMAND_CLASS_ZWAVEPLUS_INFO_V2

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.