

TILT | SHOCK XS SENSOR ZSE43

Features

- Quick and reliable tilt and vibration alerts to your hub
- NEW 700 series chip for faster communication and more battery life than ever
- Extra small for discreet mounting
- Protective rubber coating
- Powered by a long-lasting single coin battery
- The latest S2 security and SmartStart for secure set-up
- Supports OTA firmware updates
- ZSE43 Tilt | Shock XS Sensor Advanced Settings

Specifications

- Model Number: ZSE43
- Power: 1 x CR2032 battery
- Operating Temperature: 5°-104° F
- Dimensions: 1.9" x 1" x 0.3"
- Range: Up to 130 feet 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)

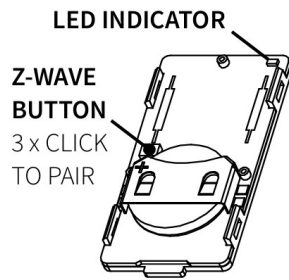
Installation

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 Control

1. ADD DEVICE to your hub Initiate inclusion (pairing) in the app (or web interface). 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. If the signal is weak in your garage, you may need to add Z-Wave repeaters between the hub and the sensor.

Exclusion (Remove Device)

3. 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, Group 2 (tilt sensor reports), and Group 3 (shock sensor reports) with up to 5 devices for Basic Set on/off control of the associated devices. The value of the basic set command sent to Group 2 and Group 3 can be adjusted in the advanced settings to customize the sensor's behavior. 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.

Here is a full list of advanced settings (parameters) for the ZSE43 XS Tilt | Shock Sensor:

LED Indicator

Parameter 1: Turn the LED indicator for open/close or vibration/no vibration status change on or off.

Values: 0 – LED indicator won't blink when the sensor's either status is changed; 1 – LED indicator will blink only when the sensor's status is changed for vibration/no vibration; 2 – LED indicator will blink only when the sensor's status is changed for open/close; 3 – LED indicator will blink when any of the sensors changes status (default).

Size: 1 byte dec

Battery Reporting

Parameter 2: Set the threshold for battery reporting.

Values: 1-50 (%). Default: 5

Size: 1 byte dec

Parameter 3: Decide when the sensor should report low battery to the hub.

Values: 10-50 (% battery life). Default: 20

Size: 1 byte dec

Shock Sensor Sensitivity

Parameter 4: Set the vibration sensor's level of sensitivity.

Values: 0 – highest level of sensitivity, will report the recorded vibration immediately (default); 1 – medium level of sensitivity, will report only if the vibration is recorded for 1.5 seconds or longer, it will keep reporting vibration for 2 more seconds after the last recorded activity; 2 – lowest level of sensitivity, will report only if the vibration is recorded for 2.5 seconds or longer, it will keep reporting vibration for 3 more seconds after the last recorded activity.

Size: 1 byte dec

Tilt Sensor Group 2 Association Commands

Parameter 5: Set the delay for the ON basic set command to be sent to the devices associated in Group 2 after the door is open.

Values: 0-3600 (seconds). Default: 0 (no delay).

Size: 4 byte dec

Parameter 6: Set the delay for the OFF basic set command to be sent to the devices associated in Group 2 after the door is closed.

Values: 0-3600 (seconds). Default: 0 (no delay).

Size: 4 byte dec

Parameter 8: Decide what type of Basic Set commands are sent to devices associated in Group 2.

Values: 0 – all Basic Set commands to Group 2 disabled; 1 – only Basic Set ON commands to Group 2 enabled; 2 – only Basic Set OFF commands to Group 2 enabled; 3 – both Basic Set commands (for on and off) to Group 2 enabled (default).

Size: 1 byte dec

Shock Sensor Group 3 Association Commands

Parameter 9: Decide what type of Basic Set commands are sent to devices associated in Group 3.

Values: 0 – all Basic Set commands to Group 3 disabled; 1 – only Basic Set ON commands to Group 3 enabled; 2 – only Basic Set OFF commands to Group 3 enabled; 3 – both Basic Set commands (for on and off) to Group 3 enabled (default).

Size: 1 byte dec

Disable Tilt or Shock Sensor

Parameter 7: Decide if you'd like to keep both tilt and shock sensors enabled or if you'd like to disable one of them.

Values: 0 – only tilt sensor enabled; 1 – only shock sensor enabled; 2 – both sensors enabled (default).

Size: 1 byte dec

ASSOCIATIONS:

Group 1: Lifeline to hub

Group 2: Basic set for open / close (tilt sensor)

Group 3: Basic set for vibration / no vibration (shock sensor)