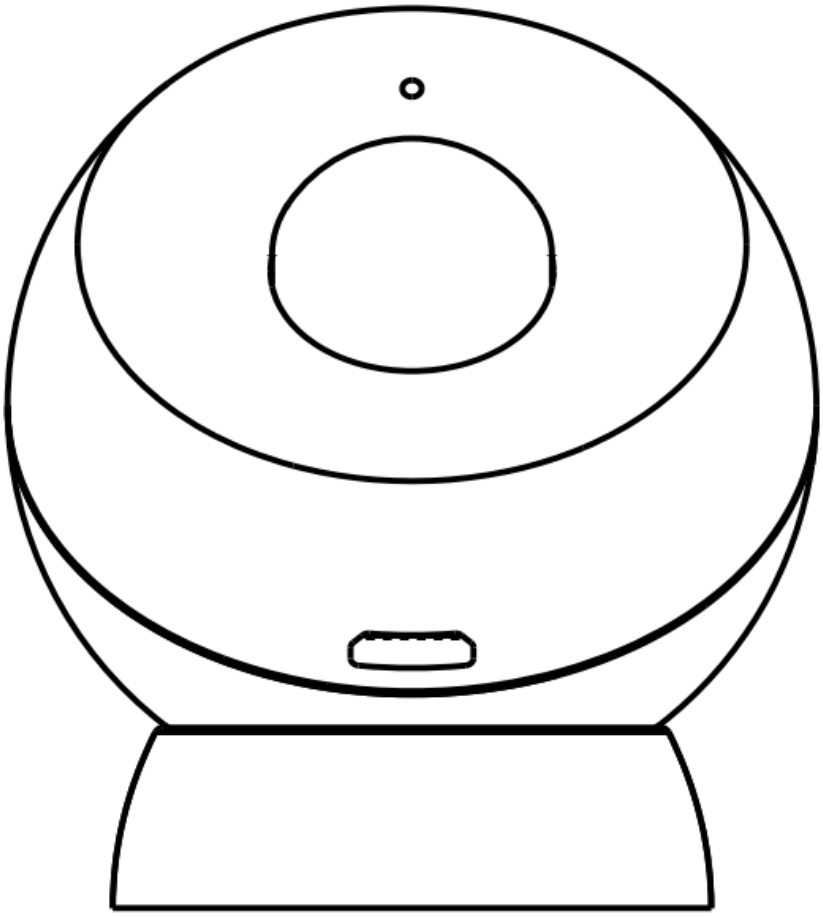
ZOOZ ZSE18 Motion Sensor



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FEATURES

- Fast, reliable motion detection
- Built-in vibration sensor
- NEW 800 series chip for faster and safer wireless communication
- NEW Z-Wave Long Range for ultra reliable no-mesh communication
- Latest S2 security protocol and AES-128 signal encryption
- 2 alternative power sources: battery or micro USB
- SmartStart for instant set-up
- Magnetic mount for quick and flexible installation
- Adjustable LED indicator
- Low battery alerts

SPECIFICATIONS

- **Model Number**: ZSE18 800LR
- **Z-Wave Region**: US/CA/MX
- **Power:** 1 CR123A battery (3V) or micro USB
- **Z-Wave Range**: Up to 150 feet (up to 1300 feet with Long Range enabled)

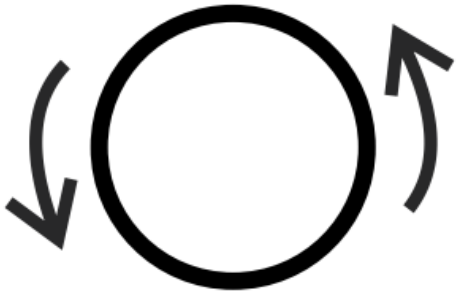
- **Operating Temp**.: 32-104° F
- **Installation and Use**: Indoor only

Z-WAVE CONTROL

ADD DEVICE to your hub

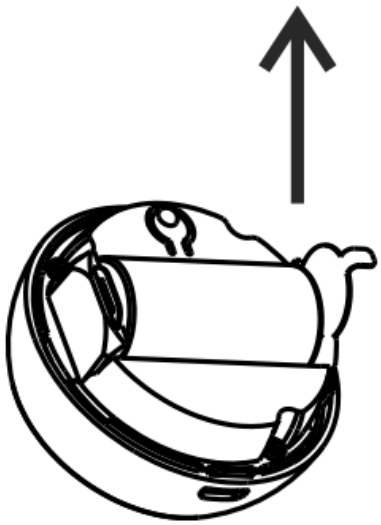
Initiate inclusion (pairing) in the app (or web interface). If you're using an S2 hub, it will ask you to enter the DSK PIN or scan the QR code printed on the bottom part of the sensor to complete Smart Start inclusion.

Twist open the cover of the sensor to access the battery.



PULL BATTERY TAB OUT

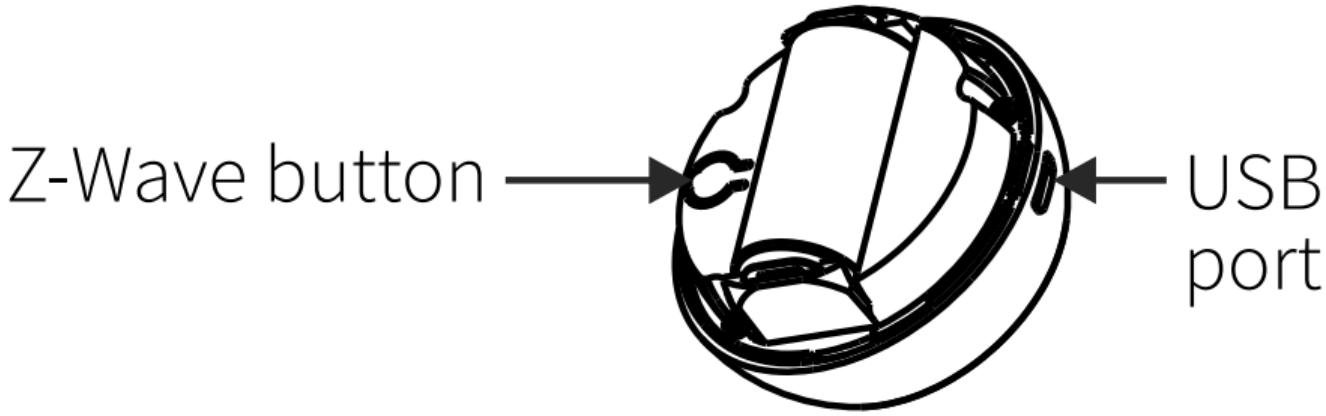
Activating the battery will automatically put the sensor into inclusion mode. If it's not added within 30 seconds, try resetting it and including it manually.



MANUAL INCLUSION (PAIRING)

1. Bring the sensor within direct range of your Z-Wave gateway (hub).

2. Put the Z-Wave hub into inclusion mode (not sure how to do that? ask@getzooz.com).
3. Press and release the Z-Wave button 3 times quickly. The LED indicator will start blinking fast and turn solid for a second to confirm inclusion.
4. A new motion sensor will appear in your device list.



TROUBLESHOOTING

The sensor won't add to the hub? Try this:

1. Initiate EXCLUSION and click the Z-Wave button 3 times quickly. Then try adding it again.
2. Bring the sensor closer to your Z-Wave hub.
3. Click the Z-Wave button on the sensor 4-5 times VERY quickly when adding it.

EXCLUSION (REMOVING DEVICE)

1. Bring the sensor within direct range of your Z-Wave gateway controller (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 on the sensor 3 times as quickly as possible.
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 perform the reset, press and HOLD the Z-Wave button on the sensor for at least 20

sec. The LED will start flashing blue. Once it turns solid blue, immediately release the button. The LED will blink once for 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. You can change the wake-up interval in advanced settings if available in your system.

During wake-up, the sensor receives communication from the hub (setting updates or network information). Long wake-up interval will not affect how one the sensor reports motion or vibration to your gateway (hub).

MANUAL WAKE-UP

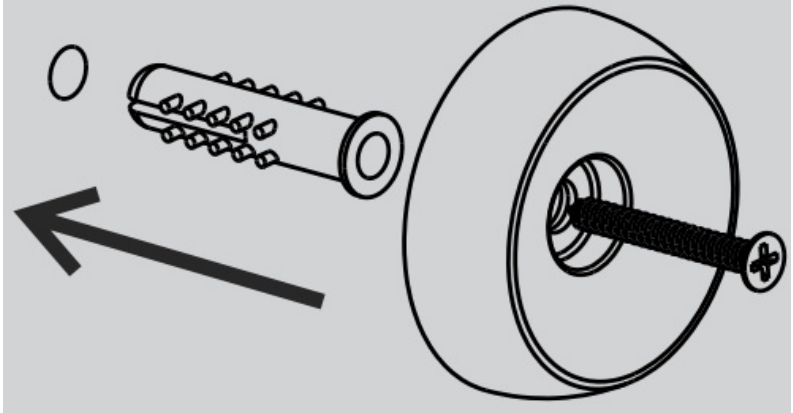
Press and HOLD the Z-Wave button for 5 seconds to wake the device up. The LED will start flashing.

You may need to wake the sensor up manually IF:

1. It doesn't fully configure during set-up (status is not displayed or errors pop up in your hub's interface).
2. You change advanced settings for the sensor and want them to update.

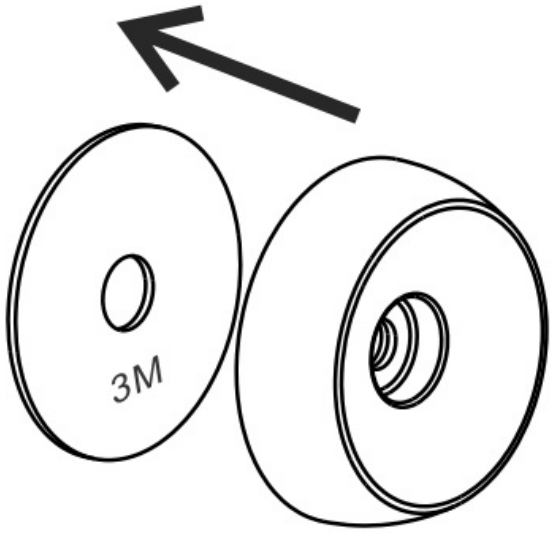
MOUNTING

RECOMMENDED: Use the mounting screw to securely attach the magnetic base to a flat surface of your choice.



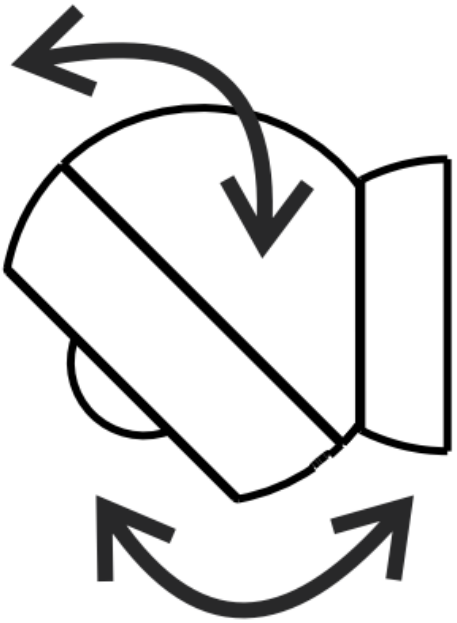
OR

Use the adhesive tape to stick the base to a clean surface for quick and hassle free installation.

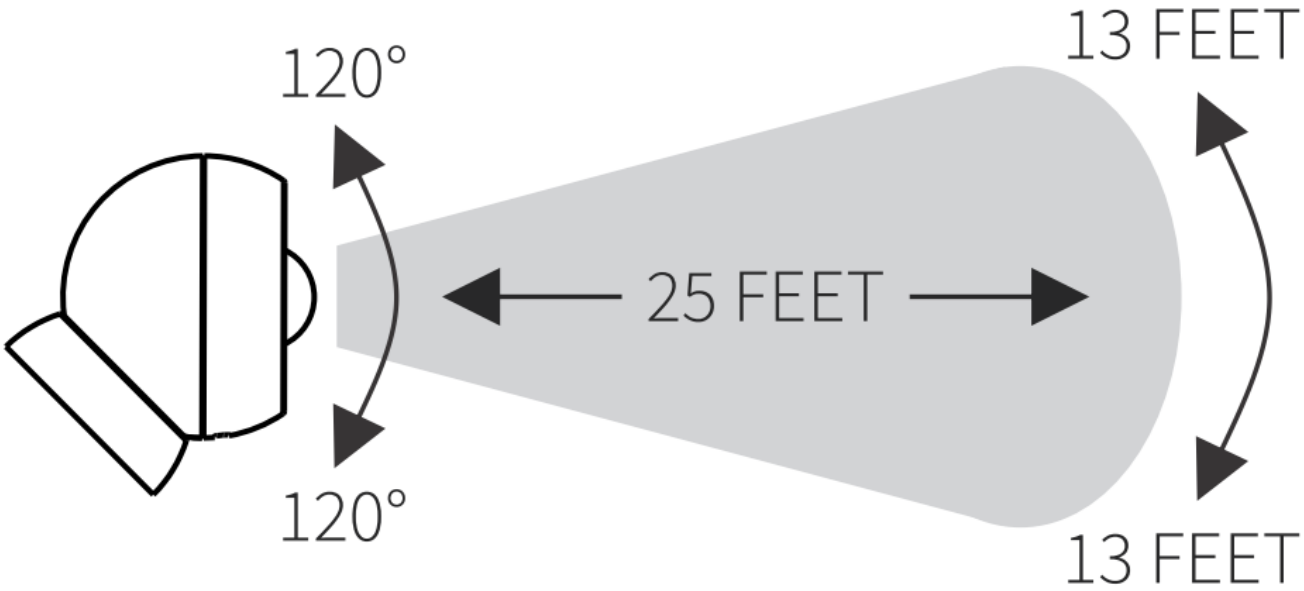


POSITIONING

Attach your sensor to the magnetic base and position it to cover the area you wish to monitor. For best results, mount the sensor within 20 feet from the door and around 7 feet from the ground.



MOTION DETECTION RANGE



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

WARNING

- This product should be installed indoors upon completion of any building renovations.
- 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.

SETTINGS

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

Go to www.support.getzooz.com for hub specific instructions.

ASSOCIATION

Associate your Motion Sensor 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 Motion Sensor supports Group 1 (motion detection and battery level) and Group 2 (BASIC SET) with up to 5 devices for lifeline communication. To associate the sensor with other devices, put your Z-Wave controller in Association mode by sending the appropriate command and wake up the sensor by pressing and holding the Z-Wave button for 5 seconds.

CUSTOMIZE YOUR SENSOR

Motion Sensor

Parameter 12: Use it to adjust PIR sensor sensitivity.
Values: 1 – 8, where 1 = low
sensitivity and 8 = high sensitivity.
Default set to 4.
Size: 1 byte dec
Parameter 14: Use it to enable or disable BASIC SET reports when motion is triggered for Group 2 of associated devices.
Values: 0 – disabled (default), 1 -enabled
Size: 1 byte dec.

Parameter 15: Use it to reverse values sent in BASIC SET reports when motion is triggered for Group 2 of associated devices.
Values: 0 – BASIC SET value 255 is sent when motion is triggered, BASIC SET value 0 is sent when motion times out (default).
1 – BASIC SET value 0 is sent when motion is triggered, BASIC SET value 255 is sent when motion times out.
Size: 1 byte dec.

Parameter 18: Use it to set trigger interval – the time when motion is reported again are initial trigger.
Values: 10 – 65535 seconds.
Default: 30. Size: 2 byte dec.
NOTE: Small interval will increase activity and decrease battery life.

Vibration Sensor

Parameter 17: Use it to disable the vibration sensor.
Values: 0 – disabled, 1 – enabled
(default). Size: 1 byte dec.

Low Battery Alert

Parameter 32: Use it to set battery level for low battery reports.
Values: 10-50, where 10 stands for 10% battery le and 50 stands for 50% battery le. Default set to 10.
Size: 1 byte dec.

Lock Settings

Parameter 254: Use it to lock the current advanced settings and prevent any parameter values to be changed until unlocked again.
Values: 0 – settings unlocked (default), 1 – settings locked.
Size: 1 byte dec.

LED Indicator

Parameter 20: Use it to disable the LED indicator.
Values: 0 – LED indicator is disabled, 1 – LED indicator is enabled (default).
Size: 1 byte dec.

OR

CLICK 6 TIMES TO DISABLE / ENABLE LED

USB POWER

When used with a USB power adapter, the sensor will act as a ZWave signal repeater.
Go to our website for inclusion instructions: support.getzooz.com

RANGE TEST TOOL

You can easily check if the sensor is within your Z-Wave hub's range:
Press and hold the Z-Wave button for 10-15 seconds and release it to start the test. The LED indicator will then report signal strength.
Solid blue = direct communication with the primary controller is stable
Slow blinking blue = communication quality is fair
Fast blinking blue = communication with the primary controller has failed
Press and release the Z-Wave button to exit testing mode.

COMMAND CLASSES

This device requires the following command classes to be supported and recognized by your Z-Wave controller:

COMMAND_CLASS_ZWAVEPLUS_INFO_V2
COMMAND_CLASS_TRANSPORT_SERVICE_V2
COMMAND_CLASS_SECURITY_2_V1
COMMAND_CLASS_SUPERVISION_V1
COMMAND_CLASS_APPLICATION_STATUS_V1
COMMAND_CLASS_BASIC
COMMAND_CLASS_NOTIFICATION_V8
COMMAND_CLASS_BATTERY_V1
COMMAND_CLASS_WAKE_UP_V2
COMMAND_CLASS_CONFIGURATION_V4
COMMAND_CLASS_ASSOCIATION_V2
COMMAND_CLASS_ASSOCIATION_GRP_INFO_V1
COMMAND_CLASS_VERSION_V2
COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2
COMMAND_CLASS_DEVICE_RESET_LOCALLY_V1
COMMAND_CLASS_POWERLEVEL_V1
COMMAND_CLASS_FIRMWARE_UPDATE_MD_V5

COMMAND_CLASS_MULTI_CHANNEL_ASSOCIATION_V3
COMMAND_CLASS_INDICATOR_V3

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 equipped with unique authentication code for trusted wireless communication.

WARRANTY

This product is covered under a 12- month warranty and under a 5-year limited warranty once registered.
To read the full warranty policy or file a warranty claim, please go to
www.getzooz.com/warranty

FCC NOTE

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR T V INT E R F E R ENC E C AUS ED BY UNAUTHORIZED MODI F ICATIONS 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

CUSTOMER SUPPORT

www.getzooz.com

Documents / Resources

	ZOOZ ZSE18 Motion Sensor [pdf] User Manual ZSE18, 800LR, ZSE18 Motion Sensor, Motion Sensor, Sensor

References

- User Manual

800LR, Motion Sensor, Sensor, ZOOZ, ZSE18, ZSE18 Motion Sensor

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