



PID **11987**

# Z - Wave GARAGE DOOR SENSOR

Thank you for purchasing this Z-Wave™ Garage Door Sensor from Monoprice!

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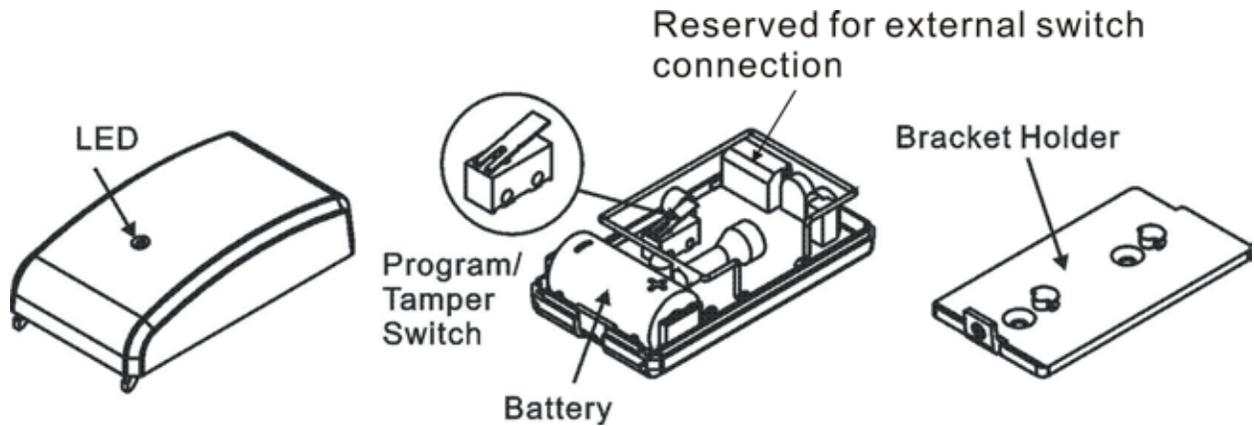
This sensor is a wireless Z-Wave enabled device and is fully compatible with any Z-Wave enabled network. Z-Wave is an interoperable, two-way RF mesh networking technology used for home automation and security. Every AC powered Z-Wave device acts as a signal repeater, so multiple devices result in more possible transmission routes, which helps eliminate RF "dead spots" in the network. Any Z-Wave enabled device displaying the Z-Wave logo can be used with Z-Wave devices from other manufacturers.

This Garage Door Sensor detects changes in the sensor's angle, caused by opening a garage door, and sends a Z-Wave trigger signal to the network. It also has a tamper-proof switch, which will trigger a Z-Wave signal when the sensor's cover is removed. These trigger signals can be used to activate various other devices and perform preprogrammed tasks.

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USER's MANUAL

## PRODUCT DIAGRAM



## PACKAGE CONTENTS

After receiving the product, please inventory the contents to ensure you have all the proper parts, as listed below. If anything is missing or damaged, please contact Monoprice Customer Service for a replacement.

- 1x Z-Wave Garage Door Sensor
- 1x Bracket Holder
- 1x Adhesive Tape
- 2x Bracket Mounting Screws
- 1x Lock Screw
- 1x CR123A Lithium Battery
- 1x User's Manual

# SPECIFICATIONS

**Protocol:** Z-Wave

**Operating Frequency:** 908.42 MHz

**Operating Range:** up to 100 feet line of sight

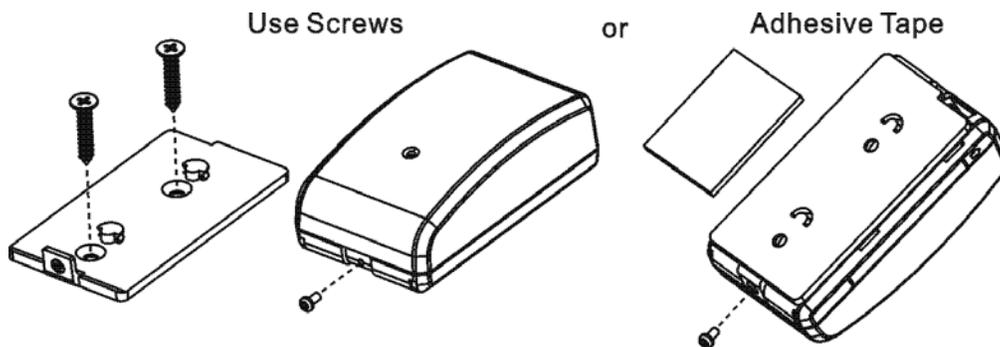
**Operating Temperature:** +5 ~ +140°F (-15 ~ +60°C)

**Battery:** 1x CR123A

# INSTALLATION

*Note: If you are installing a complete Z-Wave system for the first time, please refer to the installation guide of your Z-Wave Interface Controller before installing this Garage Door Sensor.*

1. Press the locking tab on the top of the sensor cover and gently remove the cover.
2. Insert a battery into the battery holder, as shown in the diagram on the previous page. Ensure that the polarity markings on the battery align with the polarity markings on the battery holder.
3. Once the battery is installed, the LED will start flashing slowly. This indicates that the sensor has not yet been "included" into a Z-Wave network.
4. Using the included adhesive tape or screws, mount the Bracket Holder in the location you want to mount this sensor.



5. Slide the sensor over the bracket holder and fix it in place using the included lock screw.
6. Proceed to the "Inclusion" section below.

## INCLUSION

*Now that the sensor is in its final location, it can be "included" into the network. Bring your Z-Wave Interface Controller to the sensor's location. The distance between the controller and the sensor should be less than 1 meter during the "inclusion" process.*

1. If the cover is not already removed, press the locking tab on the top of the sensor cover and gently remove it.
2. Following the instructions that came with your Z-Wave Controller, put the controller into "include" mode.
3. When prompted, press and hold the Program/Tamper switch on the sensor for about 1 second.
4. If the "inclusion" process is successful, the LED on the sensor will cease flashing and glow steadily. If it does not, repeat steps 2-3.
5. Replace the cover.
6. Test the functionality of the sensor by opening the garage door to which it is attached. The sensor should send an **ON** signal (**Basic Set, value: 0xFF**) to the Z-Wave Interface controller and the LED will flash once.
7. Next, close the garage door. The sensor should send an **OFF** signal (**Basic Set, value: 0x00**) to the Z-Wave Interface controller and the LED will flash once.

## EXCLUSION

*If you wish to remove the sensor from your network, you will need to "exclude" it.*

1. Press the locking tab on the top of the sensor cover and gently remove it.
2. Following the instructions that came with your Z-Wave Controller, put it into "exclude" mode.
3. When prompted, press and hold the Program/Tamper switch on the sensor for about 1 second to complete the "exclusion" process.
4. Replace the sensor cover.

## ASSOCIATION

This sensor can be part of a single Association Group of up to 5 nodes. Following the instructions that came with your Z-Wave Controller, associate it with another device.

## SLEEP/AWAKE MODE

Under normal operation, the sensor is in "sleep" mode. While asleep, the sensor is still looking for angular changes, but is not in active communications with the network until it detects an angular change and sends an alarm signal.

When the cover is removed from the sensor, it is in "awake" mode, which allows it to receive and reply to commands from the Z-Wave Controller.

## OPERATION

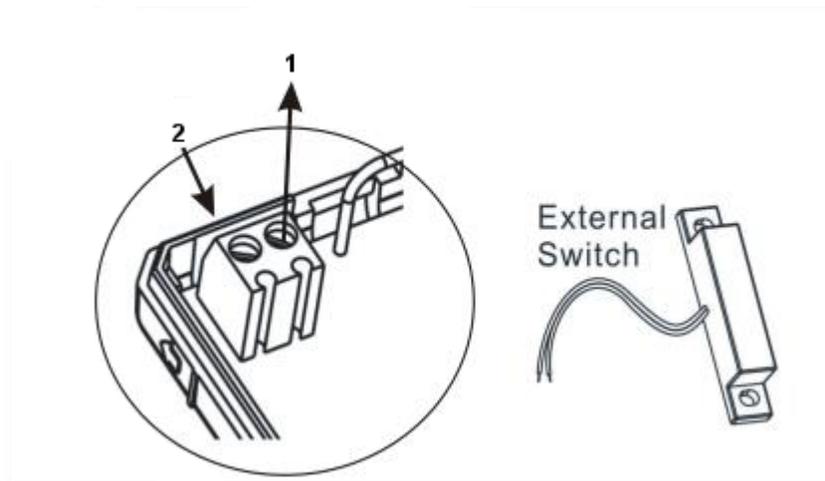
When the garage door is opened, the sensor will send an **ON** status report (**Basic Set, value: 0xFF**) to the controller and all associated Z-Wave devices.

When the garage door is closed, it will send an **OFF** status report (**Basic Set, value: 0x00**) to the controller and all associated Z-Wave devices.

## EXTERNAL SWITCH

You can enhance the sensor by adding an external switch, such as a door/window sensor. The sensor has two normally closed contact terminals, which can be used for external switch wired contacts. When triggered, the external switch will send an Alarm Report.

To install an external switch, loosen the two screws shown below (1). Next, insert the leads from the external switch through the hole in the side of the casing (2). Finally, tighten the two screws (1) to secure the leads.



## **TAMPERING**

When the cover is removed the tamper switch will trigger, causing the sensor to send an Alarm Report to the controller and turning the LED on. Refer to your controller's device log for alarm report details.

## **TECHNICAL SUPPORT**

Monoprice is pleased to provide free, live, online technical support to assist you with any questions you may have about installation, setup, troubleshooting, or product recommendations. If you ever need assistance with your new product, please come online to talk to one of our friendly and knowledgeable Tech Support Associates. Technical support is available through the online chat button on our website ([www.monoprice.com](http://www.monoprice.com)) during regular business hours, 7 days a week. You can also get assistance through email by sending a message to [tech@monoprice.com](mailto:tech@monoprice.com)

## **FCC STATEMENT**

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 in accordance with the instruction, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one of the following measures: Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver. Connect the equipment into and outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.