OPERATION

1. Opening the door or window separates the magnet from the sensor body, which sends an "ON" status signal (Basic Set, Value 0xFF) to any associated nodes.
   The LED flashes once when this occurs.
2. Closing the door or window aligns the magnet and sensor, which sends an "OFF" status signal (Basic Set, Value 0x00) to any associated nodes.
   The LED flashes once when this occurs.
3. The LED is off during normal operation.
4. The sensor is equipped with a tamper switch. When the rear cover is removed, the sensor sends an alarm status signal (type 01, level 11) to the ZIC. The LED will steadily glow and the sensor will be in "awake" mode until the cover is replaced.

FEDERAL COMMUNICATIONS COMMISSION 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 interferene 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 undersired 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.

PID: 10795

WIRELESS DOOR/WINDOW SENSOR

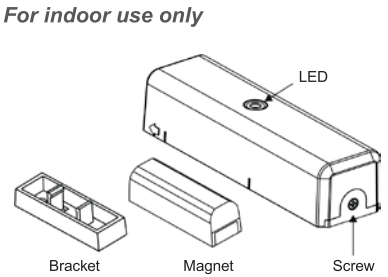
USER'S MANUAL

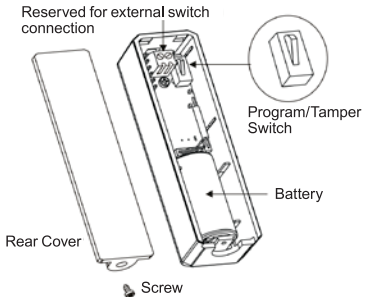
This sensor is a Z-Wave enabled device (interoperable, two-way RF mesh networking technology) and is fully compatible with any Z-Wave enabled network or device.
Every mains powered Z-Wave enabled device acts as a signal repeater.
The use of multiple devices result in more possible transmission routes, which helps eliminate "RF dead- spots".
Z-Wave enabled devices displaying the Z-Wave logo can be used together, regardless of the manufacturer.

This sensor monitors a door or window and sends a Z-Wave signal when the door or window is opened and closed.

DIAGRAM AND SPECIFICATIONS

For indoor use only





Specifications:	Package Contents:
PROTOCOL: Z-Wave (ZM3102N)	1x Door/window sensor
FREQUENCY: 908.42 MHz	1x Magnet bracket
OPERATING RANGE: Up to 100 feet line of sight	1x Magnet
OPERATING TEMPERATURE: +5 ~ 140ºF (-15 ~ +60ºC)	2x Adhesive tape pads
BATTERY TYPE: 1x CR123A	1x CR123A battery
	4x Mounting screws
	1x User's Manual

INSTALLATION

***Notice:* If you are installing an entire Z-Wave system for the first time, please refer to the installation guide for the Z-Wave Interface Controller before installing this sensor.**

1. Remove the screw that holds the rear cover of the sensor in place.
2. Slide the rear cover down and remove it from the sensor body.
3. Using either the provided screws or adhesive pad, attach the sensor's rear cover to the frame of a door or window.
4. Insert a CR123A battery into the battery compartment. The LED will start to flash slowly, which means that the sensor has not yet been "included" in your local Z-Wave network.
5. Depending on your specific application, setup the sensor as follows:

INCLUSION: Add the sensor to an existing Z-Wave network by first putting your main Z-Wave Interface Controller (ZIC) into "inclusion" mode. Follow the instructions that came with your ZIC to pair the sensor with the controller. Place the sensor within 1 meter of the ZIC, then press and hold the program switch for about 1 second. The LED will stop flashing and will glow steadily when pairing is complete.

EXCLUSION: To remove the sensor from an existing Z-Wave network, first put the ZIC into "exclusion" mode and follow its instructions for removing a device. With the sensor within 1 meter of the ZIC, press and hold the program switch for about 1 second to exclude the sensor from the network.

ASSOCIATION: You can assign the sensor to be associated with another device. This allows the two devices to communicate directly, without direct control by the ZIC.
To associate the sensor, first remove the rear cover from the sensor to put it into "awake" mode. Then put your ZIC into "association" mode and follow the instructions included with your ZIC. When association is completed, close the rear cover of the sensor, which will automatically go into "sleep" mode to save power. The sensor supports one association group of five nodes.

AWAKE: Put the sensor into "awake" mode by removing the rear cover. When in "awake" mode it can receive inclusion, exclusion, and association commands from the ZIC.

6. Once pairing is completed, slide the sensor back onto the mounted rear cover and fix it in place with the screw.

7. Use either the included screws or adhesive pad to secure the magnet in place. The magnet should be positioned to that it is adjacent to the area indicated on the sensor body (see illustration below). Additionally, the magnet should be positioned no further than 19 mm from the sensor body.

8. If your door or window can be opened from either side, you will need an external switch to monitor that side. Follow the instructions in the illustrations below to install an external switch. The switch will send an alarm signal (type 01, level 11) when the door or window is opened.