

OPERATION

1. Walking in front of the sensor sends an "ON" status signal (Basic Set, Value 0xFF) to any associated nodes. The LED flashes once when this occurs.
2. After an "ON" status signal is sent, the sensor will monitor the area for additional motion. If no motion is detected within about 3 minutes, it will send 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 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 an 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.

PID: 10796

WIRELESS PASSIVE IR SENSOR

USER'S MANUAL

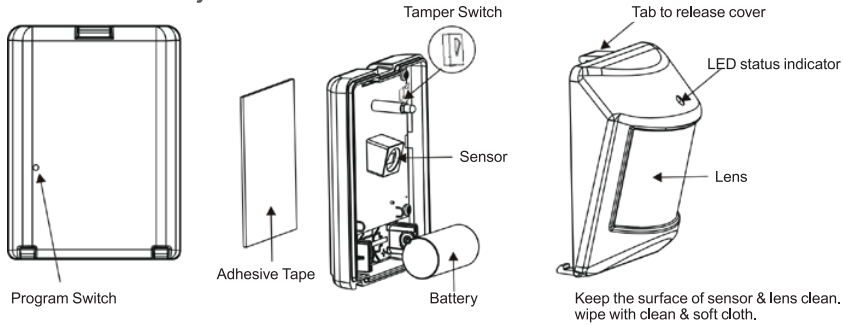
This sensor is a Z-Wave enabled device (interoperable, two-way RF mesh networking technology) and is fully compatible with any Z-Wave enabled network or device.

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 uses an infrared sensor to detect motion and sends Z-Wave signal when motion is detected within its detection range.

DIAGRAM AND SPECIFICATIONS

For indoor use only



Specifications:

PROTOCOL: Z-Wave (ZM3102N)
FREQUENCY: 908.42 MHz
OPERATING RANGE: Up to 100 feet line of sight
OPERATING TEMPERATURE: +5 ~ 140°F (-15 ~ +60°C)
BATTERY TYPE: 1x CR123A

Package Contents:

1x PIR sensor
 1x Adhesive tape pad
 1x CR123A battery
 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. Release the cover tab to open the case.
2. 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.
3. Snap the cover back into place.
4. 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.

5. Use the adhesive tape pad to mount the sensor at a height about 2 meters above the walkway surface. Refer to the diagram below for the coverage area and adjust the height and/or angle of the sensor as needed to get the coverage desired.

