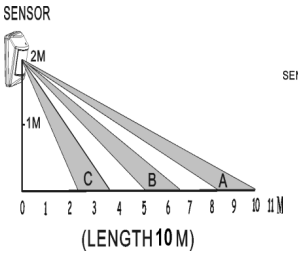
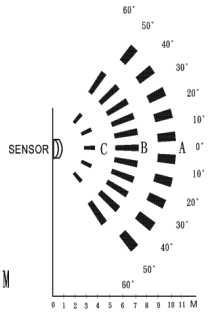



## Operation

1. Walk in front of ZP3102, sensor will send the status of “ON” (Basic Set,Value:0xFF) & alarm report (type:07, level:0xFF) to any associated nodes, and the LED will flash once.
2. If no movement detected in three minutes (based on user’s configuration setting.) after sent status of “ON”, the sensor will send the status of “OFF” (Basic Set,Value:0x00) & alarm report (type:07, level:0x00) to any associated nodes
3. Normal operation, the LED will not light.
4. The ZP3102 sensor equipped with tamper switch. If the cover of sensor is removed, the PIR sensor will send an alarm report (type:07, level:0xFF) to the Z-Wave™ Interface Controller, and the LED will go solid. Alarm report willl not be send if there is no association set. Before replacing the cover, the sensor is uder “Awake” mode.

**Federal Communications Commission Statement**

This equipment has been followed 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.

**Limited Warranty**

Vision Guarantees that every wireless PIR sensor is free from physical defects in material and workmanship under normal use for one year from the date of purchase. If the product proves defective during this one-year warrany period, Vision will replace it free of charge. Vision does not issue any refunds. This warnnty is extended to the original end user purchase only and is not transferable. This warranty does not apply to : (1) damage to units caused by accident, dropping or abuse in handling, or any negligent use; (2) units which have been subject to unauthorized repair, taken apart, or otherwise modified; (3) units not used in accordance with instruction; (4) damanges exceeding the cost of the produt; (5) transit damage, initial installation costs, removal cost, or reinstallation cost.
For information on addional devices, plesae visit us at www.visionsecurity.com.tw



VISION

The Ultimate in Security & Automation

# Installation & Operation Manual

**ZP 3102 EU**
**ZP 3102 US**
**ZP 3102 BR**
**ZP 3102 JP**
**ZP 3102 IN**

**Wireless PIR Motion Sensor**
**(Temperature Sensor Built-In)**

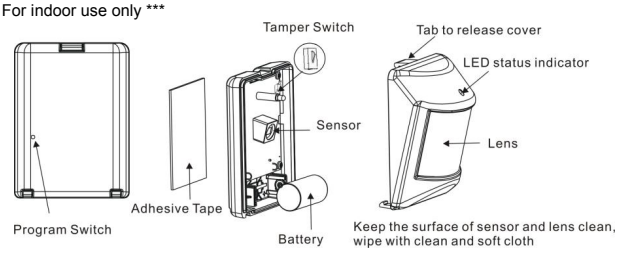
## Introduction

Thanks for choosing the Vision's wireless PIR motion sensor of the home security device. 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. Every mains powered Z-Wave ™ enabled device acts as a signal repeater and multiple devices result in more possible transmission routes which helps eliminate "RF dead-spots".

Z-Wave ™ enabled device displaying the Z-Wave ™ logo can also be used with it regardless of the manufacturer, and ours can also be used in other manufacturer's Z-Wave ™ enabled networks. This sensor monitors movement, and send Z-Wave ™ signal when movement is detected inside the building.

## Product Description and Specification

*** For indoor use only ***




**Specification:**

Protocol: Z-Wave™ (ZM3102N/ZM4102AH)

Frequency Range:

868.42MHz (ZP3102EU)
908.42MHz (ZP3102US)
921.42MHz (ZP3102BR)
920-928MHz (ZP3102JP)
865.22MHz (ZP3102IN)

Operating Range: Up to 100 feet line of sight

Operating Temp.: -15°C~ 40°C (5°F~104°F)

Battery: Panasonic CR123A * 1PC

Z-Wave Command Classes:
COMMAND_CLASS_BASIC
COMMAND_CLASS_ALARM_V2
COMMAND_CLASS_ASSOCIATION
COMMAND_CLASS_BATTERY
COMMAND_CLASS_MANUFACTURER_SPECIFIC
COMMAND_CLASS_SENSOR_BINARY
COMMAND_CLASS_VERSION
COMMAND_CLASS_SENSOR_MULTILEVEL_V4
COMMAND_CLASS_CONFIGURATION
COMMAND_CLASS_WAKE_UP_V2

**Package Content:**

| | |
|---|---|
| 1pc | ZP 3012 sensor |
| 1pc | Adhesive tape for sensor |
| 1pc | CR123A Lithium Battery |
| 1pc | Installation & Operation Manual |



## Installation

Notice: If you are installing the entire Z-Wave ™ system for the first time, please refer to the installation guide of Z-Wave ™ Interface Controller before installing ZP3102.

1. Release cover tab to open the cover.

2. Insert a CR123A battery into the battery compartment and LED will start to flash slowly, which means the sensor has not yet been "inclusion".

3. Close the cover back to sensor.

4. **For "Inclusion"** in (adding to): Put the Z-Wave ™ Interface Controller into "inclusion" mode, and following its instruction to add the ZP3102 to your controller. To get in the "inclusion" mode, the distance between sensor and controller is suggested to be in one meter. Press the program switch of ZP3102 once. The LED on the ZP3102 should stop flashing, if not, please try again.

   **For "Exclusion"** from (removing from) a network: Put the Z-Wave ™ Interface Controller into "exclusion" mode, and following its instruction to delete the ZP3102 to your controller. Press the program switch of ZP3102 once to be excluded. The LED on the ZP3102 should start to flash.

   **For "Association"**: removing the cover of the ZP3102 to get into "Awake" mode, then put the Z-Wave ™ Interface Controller into "association", and following its instruction to associate the ZP3102 with other device. Close the cover back after "association" done, afterward the ZP3102 will get into "Sleep" mode for power saving. Support one association group (5 nodes).

   Note: **"Awake**" mode: it is to leave the "Sleep" mode by removing the cover of ZP3102, to allow the Z-Wave ™ Interface Controller to do "Association".

5. Using adhesive tape to mount ZP3102 at 2 meters above surface. To enhance proper operation, place ZP3102 on the angle which can detect the room widely. The solid area means the detector's coverage range.

6. Configuration Command Class:
   Parameter 1: configuration value 1~255minitues. (It's the "Re-Trigger" waiting time after the PIR triggered. No any object pass during this time, otherwise this re-trigger waiting time will be re-calculate.)
   Default Value: 3 minutes

NOTE: The user needs to get the controller for receiving the current temperature except when the temperature +1 or -1 degree then the sensor will automatically report to the controller.