

Installation & Operation Manual

Operation

1. Opening/Closing the door/window to separate the magnet from the sensor will send signal to any association nodes according to the Status/Signal table on page 1 and the LED will flash once.
2. Normal operation, the LED will not light.
3. If the cover of sensor is removed, the tamper switch will send signal according the Status/Signal table, and the LED will go solid. Before replacing the cover, the sensor is under "Awake" mode. Same as external reed switch.

Federal Communications Commission Statement

This equipment has been followed to comply with Part 15 of the FCC Rules. 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 undesirable 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 door/window 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 warranty period, Vision will replace it free of charge. Vision does not issue any refunds. This warranty 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) damages exceeding the cost of the product; (5) transit damage, initial installation costs, removal cost, or reinstallation cost. For information on additional devices, please visit us at www.visionsecurity.com.tw

ZD 2102 IN

ZD 2102 EU

ZD 2102 US

ZD 2102 IS

ZD 2102 JP

ZD 2102 BR

Wireless Door/ Window Sensor

ZD 2102 V1 1021031 6B1Z-21001

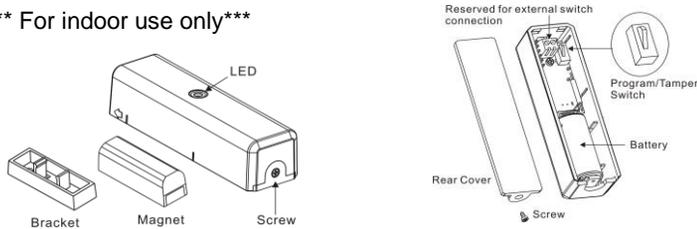
Introduction

Thanks for choosing the Vision's wireless door/window 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 devices 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 door/window and send Z-Wave™ signal when door or window is opened and closed.

Product Description and Specification

*** For indoor use only***



Specification:	Package Content:
Protocol: Z-Wave™ (ZM3102N)	1pc ZD 2012 sensor
Frequency Range: 865.22 MHz (ZD2102IN) 868.42MHz (ZD2102EU) 908.42MHz (ZD2102US) 916.00MHz (ZD2102IS) 920.00 MHz (ZD2102JP) 921.42MHz (ZD2102BR)	1pc Bracket for Contact Magnet 1pc Magnet 2pcs Adhesive tape for Magnet / sensor
Operating Range: Up to 100 feet line of sight Operating Temp.: -15°C~ 60°C (5°F ~140°F) Battery: Panasonic CR123A * 1PC	1pc CR123A Lithium Battery 4pcs Screws for bracket/ sensor 1pc Installation & Operation manual
Z-Wave Command Classes: COMMAND_CLASS_BASIC COMMAND_CLASS_ALARM_V2 COMMAND_CLASS_ASSOCIATION_V1 COMMAND_CLASS_BATTERY COMMAND_CLASS_MANUFACTURER_SPECIFIC COMMAND_CLASS_SENSOR_BINARY COMMAND_CLASS_VERSION COMMAND_CLASS_WAKE_UP_V2	

Status/Signal

Alarm Type	Reed Switch	0x07
	Tamper Switch	
	External Switch	

Alarm Event	Reed Switch	0x02
	Tamper Switch	0x03
	External Switch	0xFE
Alarm Level	Reed Switch	Close: 0x00; Open 0xFF
	Tamper Switch	0xFF
	External Switch	Close: 0x00; Open 0xFF

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 ZD2102.

1. Unscrew the screw fastening the rear cover and slide the rear cover down.
2. Using the screws or adhesive tape to affix the rear cover on the frame along the opening edge of door / window.
3. Insert a CR123A battery into the battery compartment and LED will start to flash slowly, which means the sensor has not yet been "inclusion".
4. For **"Inclusion"** in (adding to) a network: Put the Z-Wave™ Interface Controller into "inclusion" mode, and following its instruction to add the ZD2102 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 ZD2102 for 1 second at least. The LED on the ZD2102 should go solid, 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 ZD2102 from your controller. Press the program switch of ZD2102 for 1 second at least to be excluded.

For **"Association"**: removing the cover of the ZD2102 to get into the "Awake" mode, then put the Z-Wave™ Interface Controller into "Association", and following its instruction to associate the ZD2102 with other device. Close the cover back after "association" done, afterward the ZD2102 will get into "Sleep" mode for power saving. Support one association group (5 nodes).

"Awake" mode: it is to leave the "Sleep" mode by removing the cover of ZD2102, to allow the Z-Wave™ Interface Controller to do "Inclusion", "Exclusion", "Association" and to reply and receive the commands from controller.

6. Slide back the rear cover and screw fastening with the front cover, the LED should go off.
7. Fix the Magnet by using the adhesive tape or fixing screws, locate the Magnet close to the ZD2102 sensor the distance between these two devices should be in 1.9cm.
8. External Switch: If your window needs two sensors for fully monitoring. You could use an external switch to connect with the ZD2102 for extending detection. The ZD2102 has 2 normally closed contact terminals. These can be used for additional external switch wired contacts. The external switch will send signal according to the Status/Signal table to any association nodes by opening/closing the window/door (except **ZD2102JP** version, it won't send alarm report when closing the window/door).