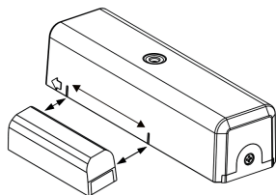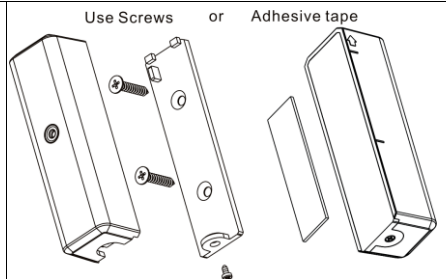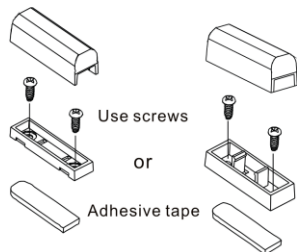The magnet shall be fixed to close to the specific area, and the distance from sensor shall not be over 1.9cm

Wires

Door/ Window Sensor

External Switch
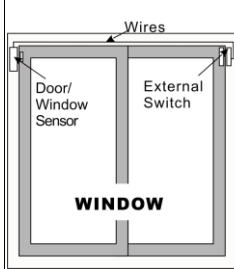
WINDOW

Break the thin wall of cover for external switch's wires can go through it. Loose two screws to insert the conduct of wire, and then fasten the screws to tight the wires with the Door/window sensor.

Break the thin wall

External Switch

Loose two screws
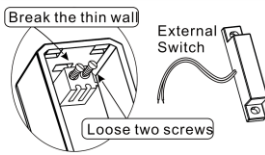
Fixed without bracket: Fixed with bracket :

Use screws

or

Adhesive tape

Use Screws   or   Adhesive tape

Operation

1. Opening/Closing the door/window to separate the magnet from the sensor will send signal to any association nodes accordding 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.

| ZD 2102 | V1 | 1021031 | 6B1Z-21001 |

VISION

The Ultimate in Security & Automation

Installation & Operation Manual

ZD 2102 IN

ZD 2102 EU

ZD 2102 US

ZD 2102 IS

ZD 2102 JP

ZD 2102 BR

Wireless Door/ Window Sensor

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).