

## Door/Window Sensor Installation Instructions

### Product Overview

- Z-Wave™ enabled device which provides open/closed position status
- Transmits open/closed status
- Reports tamper condition when cover is open

### Product Specifications

- For indoor use only
- Operating frequency: 908.42 MHz
- Operation range: Up to 100 feet (30.5 meters) line-of-sight
- Operating temperature: 0° – 49°C, 32° – 120°F (ambient temperature)
- Battery type required: 3V Lithium CR123A
- Battery life approximately 3 years

## Network Inclusion

The sensor must be added to a Z-Wave network prior to use. To include the sensor in a network both the sensor and the network controller must be in inclusion mode at the same time. *Refer to the instructions provided by the manufacturer of your specific controller for details on initiating the controller's inclusion mode.*



**STEP ONE** Start by placing the controller into inclusion mode.

**STEP TWO** Activate inclusion mode for the sensor by removing the plastic pull-tab from the back of the sensor. When the inclusion process is complete, the LED on the sensor will be solid red, then go out.

**STEP THREE** Test the sensor. Place the magnet next to the sensor to represent a closed position (see Installation section to see where to position the magnet). If the LED flashes **ONE TIME**, it is successfully communicating on your Zwave network. If the LED on the sensor flashes slow and steady for 5 seconds, you need to repeat the inclusion process.

Notes: If you need to repeat the inclusion process, repeat STEP ONE above, then for STEP TWO you will need to simply remove the cover of the sensor, remove the battery for 5 seconds, reinsert the battery, and replace the sensor cover. This will re-enter the sensor in inclusion mode.

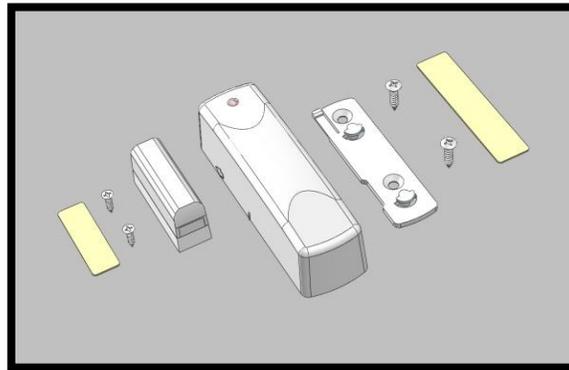
## Network Inclusion: Key Points to Remember

- Controller inclusion mode must be activated **BEFORE** starting sensor inclusion mode.
- The sensor can only be included into one controller network at a time, and must be excluded from one network before inclusion in another.
- Removing the pull tab connects the battery and initiates sensor inclusion mode. Inclusion mode can also be initiated by removing the battery for at least 5 seconds, reinstalling the battery, then replacing the sensor cover.
- The plastic pull tab must be removed to enable sensor operation.
- The sensor automatically enters inclusion mode at power-up.
- Exclusion mode on the sensor is initiated following the same exact procedure as inclusion.

## Installation

The package contains the following:

- 1- Door/Window Sensor
- 1- Sensor Mounting Bracket
- 2- Screws for Sensor Mounting Bracket
- 1- Adhesive tape for Sensor Mounting Bracket
  
- 1- Sensor Magnet
- 2- Screws for Sensor Magnet
- 1- Adhesive tape for Sensor Magnet



### STEP ONE

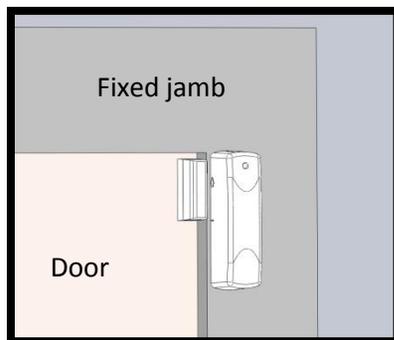
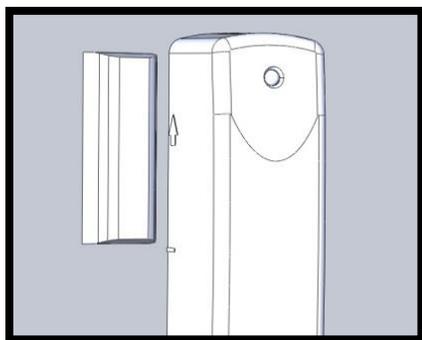
#### Identify Location for Sensor and Magnet:

Determine where on the door or window you are able to mount the sensor and magnet. Note, that the sensor has a line and arrow that identify where the magnet should be located, relative to the sensor.

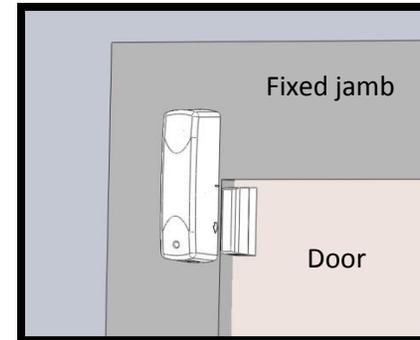
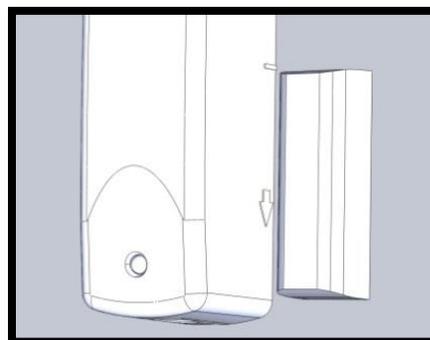
The sensor is typically attached to the non-moving part of the door or window (i.e. the door jamb or window frame). For your convenience two mounting methods are provided. The sensor can be mounted with adhesive tape and/or screws.

First make sure you have a flat clean surface to mount the sensor and magnet to. Please **verify** the correct orientation of the sensor and location of the magnet **before** you continue on to mounting the sensor and magnet.

**Magnet Location**

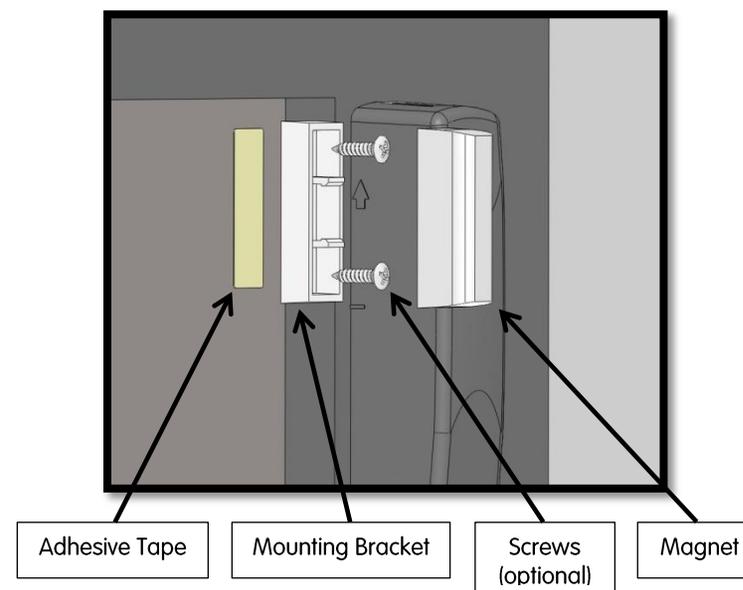
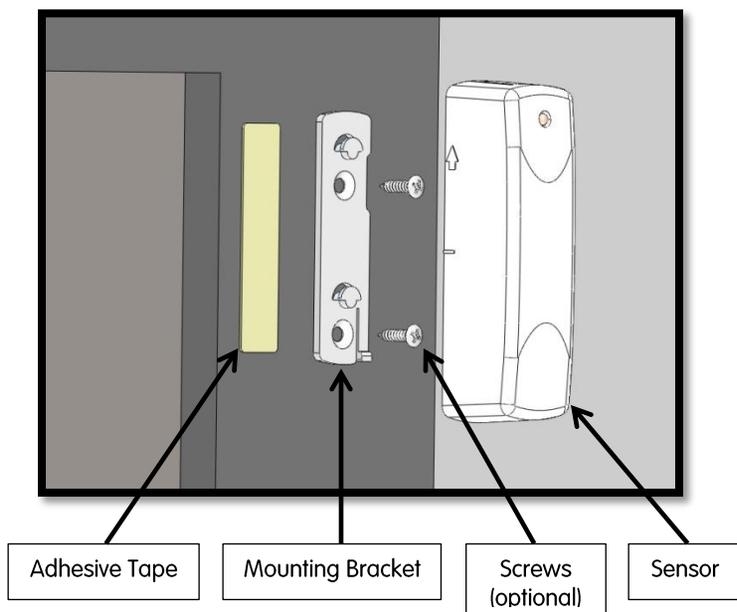


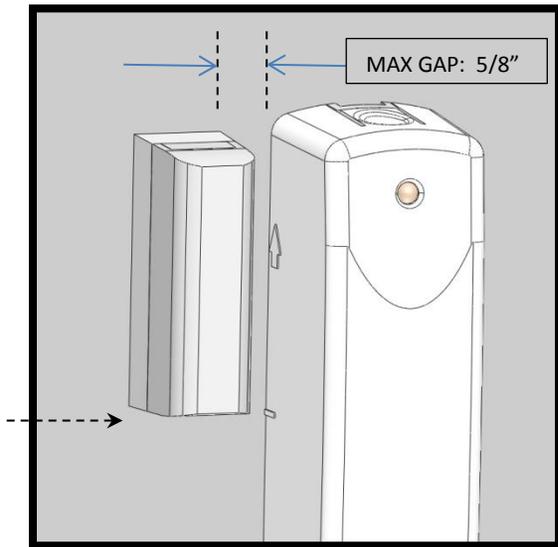
*Left hand door mounting (arrow pointing UP, magnet on left side)*



*Right hand door mounting (arrow pointing down, magnet on right side)*

**STEP TWO** Mount the sensor and magnet to a clean dry surface with the adhesive tape and/or the screws provided





**IMPORTANT:** The edge of the magnet must align with the line on the sensor, AND the magnet must locate next to the arrow on the sensor. Maximum gap between the magnet and the sensor is 5/8". If the magnet is not located following these rules, the sensor may not get activated.

**ADDITIONAL NOTES AND SUMMARY:**

- With either mounting method the first step is to attach the sensor mounting bracket to door frame or window frame. (The mounting bracket is used regardless of choice of screws or tape).
- The sensor can slide onto the mounting bracket in two different ways. To ensure that the sensor is securely fastened it is recommended that the tab on the bracket engage the back of the sensor.
- Before attaching the bracket to a surface note how the bracket will need to be oriented in order for the tab to engage the sensor. The required orientation of the sensor determines the bracket orientation.
- The sensor slides onto the bracket until the tab engages. Please be advised that adhesive tape may damage the surfaces to which it is attached.

**BROWN PLASTIC HOUSINGS (OPTIONAL)**

Included with every Ecolink Door/Window Sensor is a second set of plastics in BROWN. If your door or window is darker in color, you may choose to use the BROWN cover for the sensor and the BROWN plastics for the magnet.

## FCC Compliance Statement

This equipment has been tested and found to comply with the limits for Class B digital devices, 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 manual, 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 to correct the interference by one or more of the following measures:

- Re-orient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment to an outlet on a different circuit from the receiver
- Consult the dealer or an experienced radio/TV contractor for help.

Warning: Changes or modifications not expressly approved by Ecolink Intelligent Technology Inc. could void the user's authority to operate the equipment.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

C'et appareil est conforme la norme d'Industrie Canada exempts de licence RSS. Son fonctionnement est soumis aux deux conditions suivantes: (1) c'et appareil ne peut pas provoquer d'interférences, et (2) c'et appareil doit accepter toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement de la dispositif.

**FCC ID:XQC-DWZ1 IC: 9863B-DWZ1**

## Warranty

Ecolink Intelligent Technology Inc. warrants that for a period of 3 years from the date of purchase that this product is free from defects in material and workmanship. This warranty does not apply to damage caused by shipping or handling, or damage caused by accident, abuse, misuse, misapplication, ordinary wear, improper maintenance, failure to follow instructions or as a result of any unauthorized modifications.

If there is a defect in materials and workmanship under normal use within the warranty period Ecolink Intelligent Technology Inc. shall, at its option, repair or replace the defective equipment upon return of the equipment to the original point of purchase.

The foregoing warranty shall apply only to the original buyer, and is and shall be in lieu of any and all other warranties, whether expressed or implied and of all other obligations or liabilities on the part of Ecolink Intelligent Technology Inc. neither assumes responsibility for, nor authorizes any other person purporting to act on its behalf to modify or to change this warranty, nor to assume for it any other warranty or liability concerning this product. The maximum liability for Ecolink Intelligent Technology Inc. under all circumstances for any warranty issue shall be limited to a replacement of the defective product. It is recommended that the customer check their equipment on a regular basis for proper operation.



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