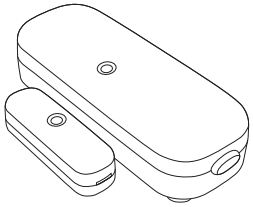
AEOTEC
BY AEON LABS

Door/Window Sensor (2nd Edition)

View the expanded manual:
http://aeot.ec/spprt/dwsensor



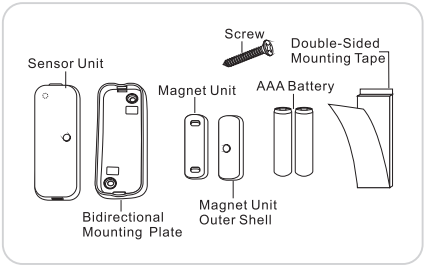
1 Aeotec by Aeon Labs Door / Window Sensor (2nd Edition)

Elegant. Intelligent. Smaller still.
The Aeotec by Aeon Labs Door/Window Sensor (2nd Edition) provides your Z-Wave network with the intelligence required for a modern home automation and security system. And it does it all in a smaller, more elegant design crafted to suit any home's decor.

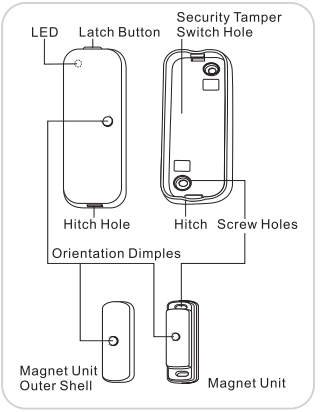
2 Familiarise yourself with your sensor

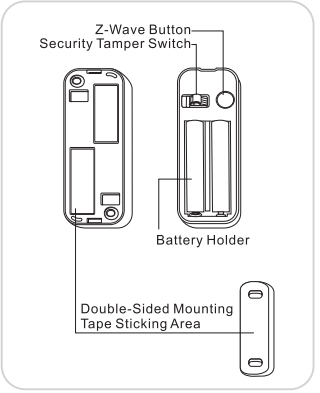
What's Included:

- Sensor Unit – 1x
- Bidirectional Mounting Plate – 1x
- Magnet Unit – 1x
- Magnet Unit Outer Shell – 1x
- AAA Batteries – 2x
- Double-Sided Mounting Tape – 6x
- Screws – 4x



Anatomy of the Aeotec by Aeon Labs Door/Window Sensor (2nd Edition)





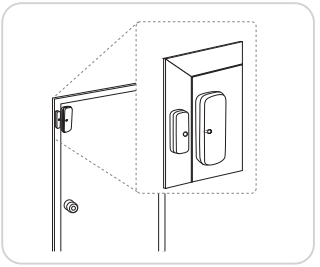
3 Quick Start

Select a location for your sensor

Selecting where you'll place your Door/Window Sensor in your home is just as important as the actual affixing of it to a surface.

If using your sensor as part of a security setup then it should be affixed to the most likely point of entry an intruder would use to enter your home that isn't already covered by a sensor. The most likely entry points are generally at the rear or side of a premises. They also tend not to be visible from the street.

If your sensor is being used to provide your Z-Wave network with intelligence then it should be affixed to the door or window you want monitored.



Irrespective of whether it's for security or intelligence purposes, your sensor:

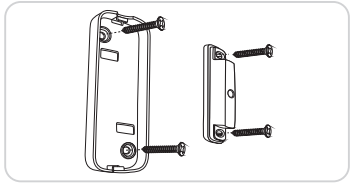
1. Should be affixed indoors and away from sources of moisture.
2. Placed within 30 meters of another Z-Wave device that is either a gateway or not powered by batteries.
3. Will have an optimal wireless signal when affixed 1 metre or above your home's floor.
4. Has two parts, the magnet and the main body. When affixed, they must be less than 2cm apart. One part must be affixed to the door or window and the other part must be affixed to the frame; i.e. they must separate when the door or window is opened.
5. Has an optimal signal when not mounted on a metal frame. If your door or window is metal, it is best to separate the sensor and frame utilising padding.
6. Has an optimal signal when its height/longest side is mounted vertically.

Affix your sensor plates to a surface

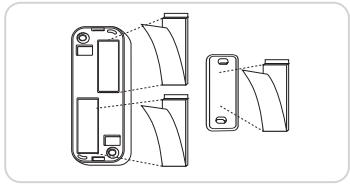
Once you've selected the best position for your Door/Window Sensor to be installed, it's time to affix your mounting plates to their respective surfaces.

Your mounting plates can be affixed using screws or double-sided tape. You needn't worry about which end is the top or the bottom, they can be mounted with either end at the top - they're bidirectional.

If using screws, attach both mounting plates to their respective surfaces using the screws provided.



If using mounting tape, wipe the two surfaces clean of any oil or dust. When the surfaces have dried, peel one side of the tape back and attach it to the corresponding section on the rear of main mounting plate. Repeat for your smaller mounting plate.



Adding to your Z-Wave network

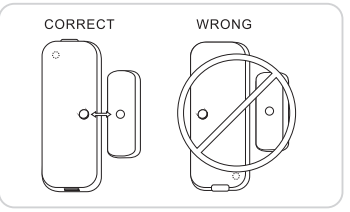
With your mounting plates prepared to hold each component of your sensor, it's time to add it to your Z-Wave network.

1. Remove the spacing tab to connect the batteries. Its LED will blink for 3 seconds.
2. Press the Include button on your primary Z-Wave controller/gateway. If you're unsure of how to do this, refer to its user manual.
3. Press the Z-Wave button on your sensor. If it has been successfully added to your Z-Wave network, its LED will illuminate for 10 minutes. During this period your primary Z-Wave controller/gateway is able to configure your sensor.
4. Your sensor will then automatically exit setup mode at the end of 10 minutes. To exit it sooner you can quickly click your sensor's tamper switch 3 times.

Attach your sensor to its plates

With your sensor added to your Z-Wave network, it's now time to insert each main part of your sensor into the corresponding sensor plate.

1. Insert the larger of your two sensor parts into the large mounting plate ensuring that the dimple on the front is on the same side as the smaller mounting plate.
2. Insert the smaller of your two sensor parts into its mounting plate.



Associate your sensor with other Z-Wave devices

It's possible to use your Door/Window Sensor to create automation activities. As an example, you can create an automation activity that would turn on particular lights when the door your sensor is attached to is opened.

Your Door/Window Sensor is capable of directly controlling 5 other Z-Wave devices within your Z-Wave network. The following association steps are performed automatically if your primary Z-Wave controller/gateway is either a SUC (Static Update Controller) or a SIS (SUC ID Server). When this is the case, you'll need to create automation activities directly through your controller/gateway - refer to its user manual for further information.

1. Press the association button on your Z-Wave controller.
2. Press the Z-Wave button on the device you want your sensor to control.
3. If you're unsure of how to do either of these steps, please refer to the corresponding product user manual.
4. Press the Z-Wave button on your sensor.
5. If successful, your Door/Window Sensor will be able to control your device.

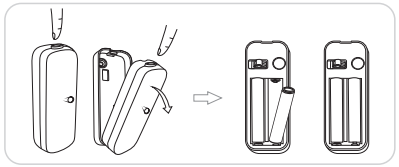
4 Advanced Functions

Your sensor's batteries

Your Door/Window Sensor has inbuilt battery level monitoring and it'll automatically report its battery level to your primary Z-Wave controller/gateway. If your controller/gateway supports the feature, it'll notify you of when your sensor's batteries need replacing. When used in an optimized Z-Wave network, this will generally take up to 1 year from the time of installation.

When it comes time, you can replace your sensor's batteries as follows:

1. Remove your sensor's largest part from its mounting plate by pressing down on the latch button and pulling the sensor away from its mounting plate.
2. Remove and replace the existing AAA batteries ensuring that the positive and negative sides of each battery are placed correctly.
3. Return your sensor's largest part to its mounting plate. To do this align the plate's hitch with your sensor's hitch hole, and push the top of your sensor into the mounting plate until the two parts click firmly together.



Setting a wake up interval time

Your Door/Window Sensor will be able to wake up and communicate with your Z-Wave controller/gateway at set intervals of time. By default, it will not wake up at intervals. However, it is possible to change the wake up interval time if your Z-Wave controller/gateway supports it. To do this, please refer to your controller's /gateway's interface or manual for further information.

TECH the wake up interval time needs to be a multiple of 4. e.g. 4, 8 or 12 minutes.

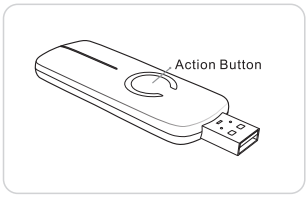
Removing from network

Your sensor can be removed from your Z-Wave network at any time. You'll need to use the main controller in your Z-Wave network to do this. The following instructions tell you how to do this using Aeon Labs' Z-Stick and Minimote controllers. If you are using other products as your main Z-Wave controller, please refer to the part of their respective manuals that tells you how remove devices from your network.

Remove your sensor's largest part from its mounting plate by pressing down on the latch button and pulling the sensor away from its mounting plate.

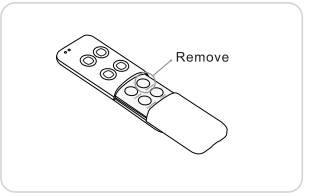
If you're using a Z-Stick:

1. If your Z-Stick is plugged into a gateway or a computer, unplug it.
2. Take your Z-Stick to your sensor or vice versa.
3. Press the Action Button on your Z-Stick.
4. Press the Z-Stick button on your sensor.
5. If your sensor has been successfully removed from your network, its LED will blink for 3 seconds. If the removal was unsuccessful the light will be solid after pressing your sensor's Z-Wave button.
6. Press the Action Button on the Z-Stick to take it it out of removal mode.



If you're using a Minimote:

1. Take your Minimote to your sensor or vice versa.
2. Press Remove on your Minimote.
3. Press the Z-Wave button on your sensor.
4. If your sensor has been successfully removed from your network, its LED will blink for 3 seconds. If the removal was unsuccessful the light will be solid after pressing your sensor's Z-Wave button.
5. Press any button on your Minimote to take it it out of removal mode.



Send wake up notification

In order to send your sensor new configuration commands from your Z-Wave controller or gateway, it'll need to be woken up.

1. Remove your sensor's largest part from its mounting plate by pressing down on the latch button and pulling the sensor away from its mounting plate.
2. Press the Z-Wave button on your sensor's main unit. Your sensor will now remain awake for 10 minutes.
3. When done, return your sensor's largest part to its mounting plate. To do this align the plate's hitch with your sensor's hitch hole, and push the top of your sensor into the mounting plate until the two parts click firmly together.

Reset all your sensor's configurations

Should you wish to reset all your sensor's configurations, you are able to reset it to its factory defaults.

1. Press and hold your sensor's Z-Wave button for 20 seconds.
2. Your Door/Window Sensor will reset to its factory default configuration. Its LED will blink for 3 seconds to let you know the reset was successful.

5 Technical specifications

Up to 1 year battery life with 2 x AAA batteries
Operating distance: Up to 100 feet/30 metres indoors and 254 feet/100 metres outdoors.
Operating Temperatures : -10°C to +60°C/14°F to +140°F

6 Warranty

Aeon Labs warrants to the original purchaser of Products that for the Warranty Period (as defined below), the Products will be free from material defects in materials and workmanship. The foregoing warranty is subject to the proper installation, operation and maintenance of the Products in accordance with installation instructions and the operating manual supplied to Customer. Warranty claims must be made by Customer in writing within thirty (30) days of the manifestation of a problem. Aeon Labs' sole obligation under the foregoing warranty is, at Aeon Labs' option, to repair, replace or correct any such defect that was present at the time of delivery, or to remove the Products and to refund the purchase price to

The "Warranty Period" begins on the date the Products is delivered and continues for 12 months.

Any repairs under this warranty must be conducted by an authorized Aeon Labs service representative and under Aeon Labs' RMA policy. Any repairs conducted by unauthorized persons shall void this warranty.

Excluded from the warranty are problems due to accidents, acts of God, civil or military authority, civil disturbance, war, strikes, fires, other catastrophes, misuse, misapplication, storage damage, negligence, electrical power problems, or modification to the Products or its components.

Aeon Labs does not authorize any person or party to assume or create for it any other obligation or liability in connection with the Products except as set forth herein.

Aeon Labs will pass on to Customer all manufacturers' Material warranties to the extent that they are transferable, but will not independently warrant any Material.

Customer must prepay shipping and transportation charges for returned Products, and insure the shipment or accept the risk of loss or damage during such shipment and transportation. Aeon Labs will ship the repaired or replacement products to Customer freight prepaid.

Customer shall indemnify, defend, and hold Aeon Labs and Aeon Labs' affiliates, shareholders, directors, officers, employees, contractors, agents and other representatives harmless from all demands, claims, actions, causes of action, proceedings, suits, assessments, losses, damages, liabilities, settlements, judgments, fines, penalties, interest, costs and expenses (including fees and disbursements of counsel) of every kind (i) based upon personal injury or death or injury to property to the extent any of the foregoing is proximately caused either by a defective product (including strict liability in tort) or by the negligent or willful acts or omissions of Customer or its officers, employees, subcontractors or agents, and/or (ii) arising from or relating to any actual or alleged infringement or misappropriation of any patent, trademark, mask work, copyright, trade secret or any actual or alleged violation of any other intellectual property rights arising from or in connection with the products, except to the extent that such infringement exists as a result of Aeon Labs' manufacturing processes.

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FCC NOTICE(for USA)

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

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. 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 instructions, 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:
   - 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.
   - Consul the dealer or an experienced radio/TV technician for help.

Warning

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.

Contact your local government for information regarding the collection systems available.

Certifications(regional):

Version:501002900001-AA www.aeotec.com

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