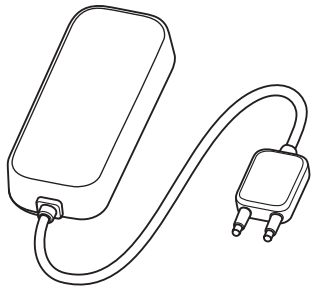




## Water Sensor

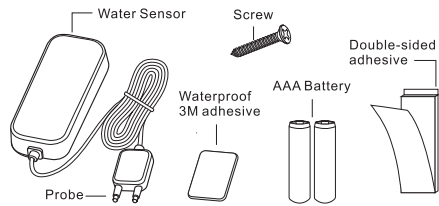
View the expanded manual:  
<http://aeot.ec/sprrt/watersensor>



### 1 Aeotec by Aeon Labs Water Sensor

Your Z-Wave system is as good as it is smart. Aeotec by Aeon Labs' Water Sensor brings intelligence to a new level, one that is suited to both safety and convenience. Capable of detecting both the presence and absence of water up to as little as 3%, each sensor is crafted into the smallest and most subtle of packages.

#### Familiarise yourself with your sensor



#### Package Contents:

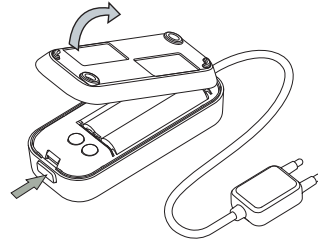
- Water Sensor x1
- AAA Battery x2
- Screw x2
- Waterproof 3M adhesive x1
- Double-sided adhesive x2

### 2 Quick Start

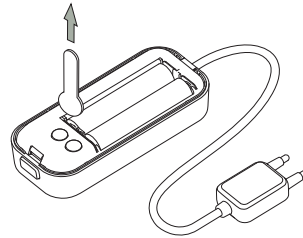
Your Aeotec by Aeon Labs' Water Sensor is capable of detecting the presence or absence of water. Choosing the scenario you want will help you determine where best to place your sensor. The most common scenario is the detection of leaking water from the likes of a hot water system or an air conditioner. In other instances you may wish to detect when the level of water in a tank has decreased pass a certain level.

#### Prepare your Water Sensor

The first step is to activate your Water Sensor:  
 1. Take out the back shell of Water Sensor.



2. Remove the clear battery insulator by pulling it away from the Water Sensor.

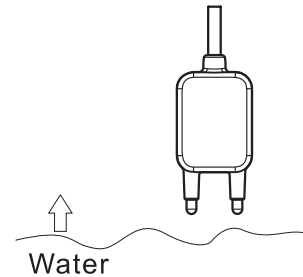


With the battery insulator removed, your Water Sensor is now powered and activated. It is now time prepare to install your Water Sensor.

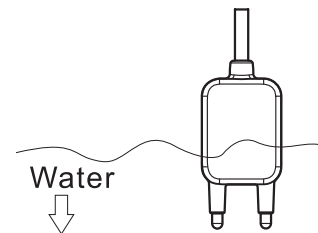
#### Choosing a position for the Water probe

The following tips will help you select a position that will optimise the performance of your water probe.

If the presence of water is detected, your probe's two prongs should sit flat against the surface where water will collect.



- If the absence of water is detected, your probe's two prongs should sit at the minimum water level you want.
- If the absence of water is detected, it's fine to submerge your probe in water - it's waterproof.



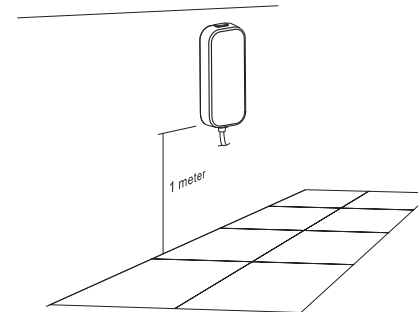
#### Choosing a position for the Water Sensor

The following tips will help you select a position that will optimise the performance of your Water Sensor.

- Your water sensor is not waterproof or weatherproof, as such you should not place it in any area where it is likely to get wet. This includes not placing it directly underneath objects which you may be monitoring for leaks, such as water heaters.



- For an optimal wireless signal, position your Water Sensor 1 meter off of the ground.
- Additionally, for an optimal wireless signal mount your Water Sensor with its longest side vertical.
- You will have an optimal wireless signal when affixed 1 meter or above your home's floor.
- Placed within 30 meters of another Z-Wave device that is either a gateway or not powered by batteries.



- If outdoors should be protected from the elements - such as inside a recess or within a waterproof box.

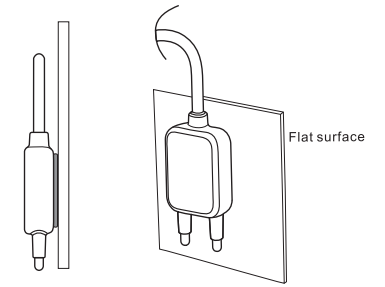
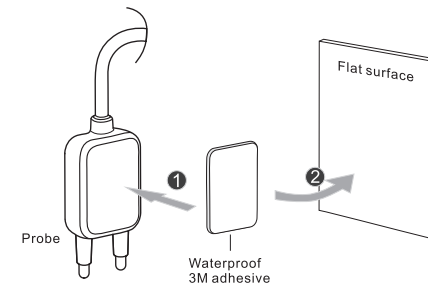
#### Installation your Water Probe

Once you've selected the best position for both parts of your Water Sensor to be installed, it's time to affix both to their respective surfaces.

##### 1. Affixing your water probe's mounting plate

- By waterproof 3M adhesive to paste the detector.

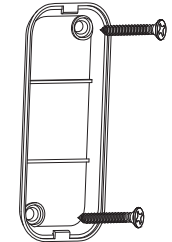
Installation diagram:



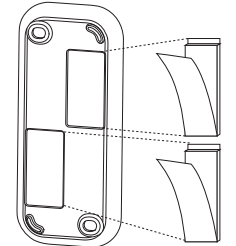
##### 2. Installation your Water Sensor

Your water sensor's mounting plate can be affixed using screws or double-sided tape. You do not need to worry about which end is the top or the bottom, they can be mounted with either end at the top - they are bidirectional.

- If using screws, attach your water sensor's mounting plate using the screws. If either surface is soft, plasterboard for instance, use the screw anchors.



- If mounting your water sensor indoors in an area where itself won't be exposed to condensation or moisture in the air, it is possible to use mounting tape to affix it to a wall. To begin, wipe the respective surface clean of any oil or dust. When the surface has dried, peel one side of the tape back and attach it to the corresponding section on the rear of main mounting plate.



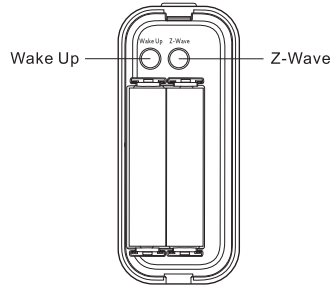
### 3 Adding your Water Sensor to Z-Wave network

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

1. On the rear of your water sensor, remove the spacing tab to connect the batteries. Your water sensor's LED will blink for 8 seconds.
2. Press the Z-Wave 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 water 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.

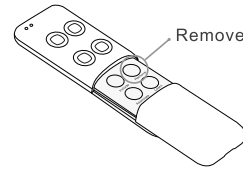
- Your sensor will then automatically exit setup mode at the end of 10 minutes, and other 2 ways can exit the setup:

- Press the wake up button.
- Received "wake up no more information cc".



• If you are using a Minimote

1. Take your Minimote to your sensor.
2. Press Remove button 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 8 seconds. If the removal was unsuccessful the LED will stay on for 8 seconds.
5. Press any button on your Minimote to get out of removal mode.



⑤ **Wake up**

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

1. Remove your Water Sensor from its mounting plate by pressing down on the latch button and pulling it away from its mounting plate.
2. Press the Wake-up Button on your sensor. Your sensor will now remain awake for 10 minutes, press again, the sensor will sleep right now.
3. When done, return your Water Sensor 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.

⑥ **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 the Z-Wave button on the rear of your Water Sensor for 20 seconds.
2. Your Water Sensor will reset to its factory default configuration. Its LED will be on for 2 seconds to let you know the reset was successful.

Your water sensor's configurations will also be reset to factory defaults if you remove it from your Z-Wave network.

⑦ **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

⑧ **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 Customer.

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.

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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.

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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.
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.
- Consult 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):**



FCC ID: XBADSB45

Version:501004500001-AA [www.aeotec.com](http://www.aeotec.com)

• Associate your Water Sensor with other Z-Wave devices

It's possible to use your Aeotec by Aeon Labs's Water Sensor to talk to more than just your gateway. As an example, you can create an automation activity that would activate a siren when water is detected.

Your Water 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. Set gateway sent Association set command, and Assign route command to Water Sensor.
2. Then press Z-Wave button of Water Sensor. Water Sensor will send wake up notification to gateway.
3. After gateway received the wake up notification, it will sent preset commands to Water Sensor.

④ **Remove your Water Sensor from Z-Wave 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 Aeotec by Aeon Labs's 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.

• If you are 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.
3. Press the Z-Wave Button on your Z-Stick and hold for 3 seconds.
4. Press the Z-Wave button on your sensor.
5. If your sensor has been successfully removed from your network, its LED will blink for 8 seconds. If the removal was unsuccessful the LED will be switched on for 8 seconds.
6. Press the Z-Wave Button on the Z-Stick again to take it out of removal mode.

