



Z-WavePlus Siren Installation Instructions

Product Overview

- Z-Wave Plus™ enabled device which can be used to alert the user.
- Able to produce 4 different notification sounds
- Volume control located on the side of unit.
- Z-Wave Plus network range extender.

Product Specifications

- For indoor use only
- Operating frequency: 908.42 MHz
- Operating temperature: 0° – 49°C, 32° – 120°F (ambient temperature)
- Operating humidity 5-95% non-condensing



Network Inclusion

The Z-Wave Plus Siren must be added to a Z-Wave Plus network prior to use. To include the siren in a network both the siren 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.*

- 1) Verify that the Z-Wave Plus controller you are using is compatible with the Z-Wave Plus Siren.
- 2) Locate the power outlet desired to be used with the Z-Wave Plus Siren.
- 3) Put your Z-Wave Plus Controller into add (inclusion) mode.
- 4) Plug in the Z-Wave Plus Siren and verify a single beep sound is heard.
- 5) The LED on the front of the unit will turn off if successful included into a network.

Network Exclusion

- 1) Any Z-Wave Plus Device can be removed from any Z-Wave Plus controller. Follow the directions to put your Z-Wave Plus Controller into exclusion mode.
- 2) Unplug and re-plug in your Z-Wave Plus Siren.
- 3) The device will play a long beep and the LED will begin to breathe if the device is successfully removed from the network.



Network Inclusion/Exclusion: Key Points to Remember

- Controller inclusion mode must be activated *BEFORE* starting sensor inclusion or exclusion mode.
- The siren can only be included into one controller network at a time, and must be excluded from one network before inclusion in another
- Exclusion mode on the sensor is initiated following the same exact procedure as inclusion.

LED Status

The Z-Wave Plus Siren is equipped with a blue LED. The state of the LED will change based on the state of the device.

- | | |
|--------------------|---|
| Solid LED on | - Device attempted to be included into a network. |
| LED breathe on/off | - Device not included into a network. |
| LED off | - Device in listening mode waiting for commands |
| Single LED blink | - Chime sound played |

Speaker Status

- | | |
|-------|---|
| Siren | - Device commanded to sound siren (will remain on until commanded off)
Note: siren volume is not effected by volume knob.
Siren volume can be increased by connecting the lower jumper. |
| Chime | - Device commanded to sound chime (device will send single chime sound) |
| Entry | - Device commanded to play solid tone (will remain until commanded off) |
| Exit | - Device commanded to play continuous short beep (will remain on until commanded off) |

Device Inputs

- | | |
|---------------------|---|
| Volume knob | - Volume can be increased or decreased using knob on side of device (can require screwdriver) |
| Network Test button | - The Z-Wave Plus Siren supports a network test function using the button located on the side of the device. If the network is contacted correctly, a chime will sound and single LED blink will occur. |
| Jumper options | - Upper Jumper on = Main device is Chime
- Upper Jumper off = Main device is Siren
- Lower Jumper on = Siren volume high
- Lower Jumper off = Siren volume low |

Factory Default

The Z-Wave Plus Siren is automatically factory defaulted when removed from a Z-Wave Plus network. Please use this procedure only when the network primary controller is missing or otherwise inoperable.



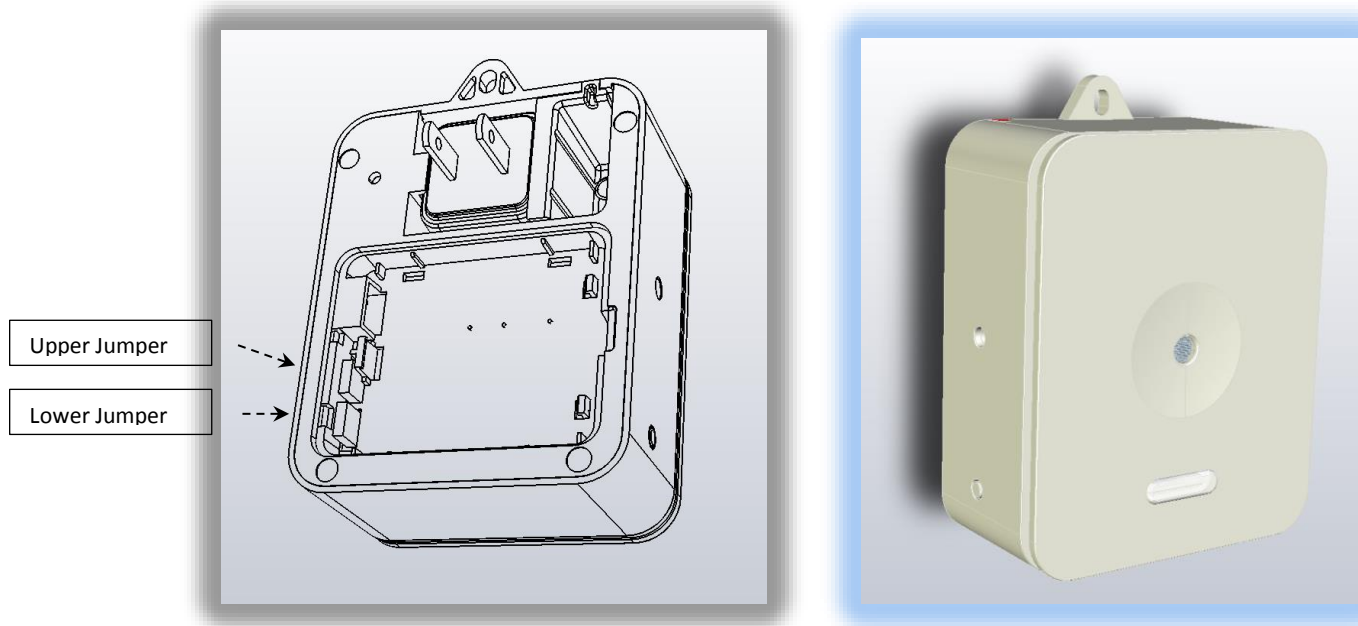
Installation

The package contains the following:

- Ecolink Z-Wave Plus Siren
- Screw for the Siren
- Jumpers for Siren Options

STEP ONE Identify Location for Z-wave Siren:
Determine the location desired for the Z-Wave Plus Siren.

STEP TWO Plug In the Siren to the outlet. Screw the Z-Wave Plus Siren in if you desire the siren to not easily be removed.





Z-Wave Plus Specific Information

Z-Wave Plus is a wireless mesh network and data protocol that allows devices from many different manufacturers to interoperate. This device implements Z-Wave Plus functionality, Network Wide Inclusion, The following information is intended for software engineers working on Z-Wave Plus controllers and home automation enthusiasts to integrate the Z-Wave Plus Siren into their system.

Device Classes	Generic Device Class	GENERIC_TYPE_SENSOR_NOTIFICATION
	Specific Device Class	SPECIFIC_TYPE_NOTIFICATION_SENSOR
Command Classes	COMMAND_CLASS_ZWAVEPLUS_INFO	v2
	COMMAND_CLASS_VERSION	v2
	COMMAND_CLASS_MANUFACTURER_SPECIFIC	v2
	COMMAND_CLASS_DEVICE_RESET_LOCALLY	v1
	COMMAND_CLASS_POWERLEVEL	v1
	COMMAND_CLASS_ASSOCIATION	v2
	COMMAND_CLASS_ASSOCIATION_GRP_INFO	v1
	COMMAND_CLASS_MULTICHANNEL	v3
	COMMAND_CLASS_MULTICHANNEL_ASSOCIATION	v2
	COMMAND_CLASS_BASIC	v1
	COMMAND_CLASS_FIRMWARE_UPDATE_MD	v2
Manufacturer ID	MFG_ID_ECOLINK (0x014A)	
Product Type	0x05	
Product ID	0x0A	



Z-Wave Plus Command Class Notification

These notifications are sent unsolicited to the lifeline Association group.

Notification Type	Event	Cause
Basic Report	Button pressed, LED blink. Short beep (chime sound).	Device able to talk to network
Basic Report	Button pressed, LED blink. Long beep	Device unable to detect network

Z-Wave Plus Command Class Basic

For backwards compatibility with older Z-Wave Plus Controllers, the Basic Command Class is supported in the following manner. A Basic Set of 0xFF will turn on the primary device (either siren, or chime based on jumper setting). A basic set of 0x00 will turn off the primary device. A basic set of 0xFF sent to each endpoint will turn on each individual endpoint, while a basic set of 0x00 will turn off each individual endpoint.

Association

This siren has one Association groups of 1 node. Group one is a lifeline group who will receive unsolicited messages relating to the basic report that the device uses to detect network.

Network Wide Inclusion

This siren also supports Network Wide Inclusion such that the siren can be included into the Z-Wave network over the mesh network and not directly near the main controller. This mode is automatically activated after regular inclusion was not successful



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 license-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-SCZ5

IC: 9863B- SCZ5

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.



Designed in Carlsbad, CA
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