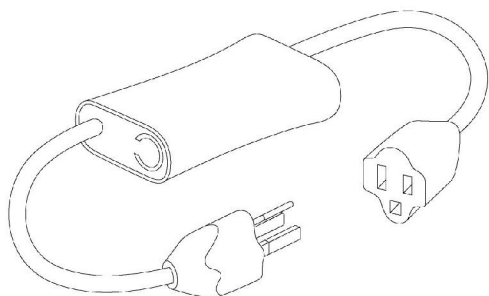# AEON LABS

Aeon Labs Smart Energy Switch

(Z-Wave Appliance Module w/ Energy Monitor)

Introduction:

The Aeon Labs Smart Energy Switch is a Z-Wave appliance switch which can report wattage energy usage or kWh energy usage to a Z-Wave gateway. It can also be controlled by other Z-Wave devices to turn on/off to save electricity when appropriate.

It also is a repeater in the Z-Wave network. Acting as a bridge for communication, it will forward Z-Wave command messages to their destinations if the originating controller is out of range from the destination node.

With an unobtrusive small form factor, the Aeon Labs Smart Energy Switch will not block other nearby AC outlets.

By taking advantage of the Z-Wave mesh network, commands can be routed to their destination via intermediary "listening" Z-Wave products. Products that are Z-Wave certified can be used and communicate with other Z-Wave certified devices.

Z-Wave Network Instructions:

The Aeon Labs Smart Energy Switch must be paired (included) into a Z-Wave network before it can receive Z-Wave commands to turn on/off and report its energy usage. The smart energy switch can only communicate to devices within it's own z-wave network.

Note: The LED on the Smart Energy Switch will blink if it is currently not paired into a Z-Wave network.
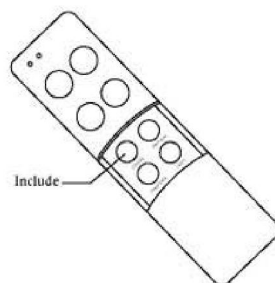
- **Adding/Including/Pairing the Smart Energy Switch into a Z-Wave Network**

1. Press the button on the Aeon Labs Z-Stick to begin the Z-Wave inclusion process.
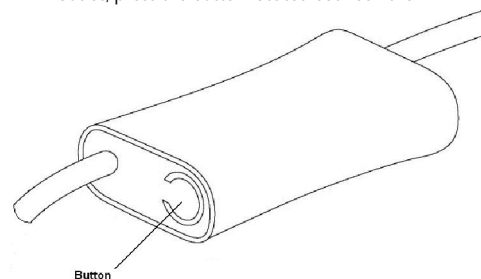

OR

Press the button labeled "Include" on the Aeon Labs Minimote to begin the Z-Wave inclusion process.

Note: To include the Aeon Labs Smart Energy Switch with other controllers, please consult the operation manual for these controllers on how to include Z-Wave products into an existing network. For instructions on select partner gateways, visit www.aeon-labs.com/support.

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2. While the Smart Energy Switch is plugged into the outlet, press the button located between the LED.

Troubleshooting: If the Aeon Labs Smart Energy Switch was not successfully included into any Z-Wave network, the LED will be blinking. If the Aeon Labs Smart Energy Switch was successfully included to a Z-Wave network, the LED will either be on or off (depending on if the switch is on or off).
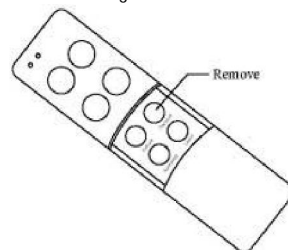
- **Removing/Resetting the Smart Energy Switch from your Z-Wave Network**

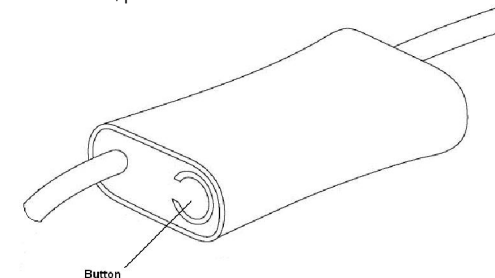1. Hold the button on the Aeon Labs Z-Stick to begin the Z-Wave removal process.

OR

Press the button labeled "Remove" on the Aeon Labs Minimote Stick to begin the Z-Wave removal process.

Note: To include the Aeon Labs Smart Energy Switch with other controllers, please consult the operation manual for these controllers on how to include Z-Wave products into an existing network. For instructions on select partner gateways, visit www.aeon-labs.com/support.

2. While the Smart Energy Switch is plugged into the outlet, press the button located between the LED.

Troubleshooting: If the Aeon Labs Smart Energy Switch was removed from the Z-Wave network, the LED will be blinking. If the Aeon Labs Smart Energy Switch was not successfully removed from the Z-Wave network, the LED will either be on or off (depending on if the switch is on or off).

- **Turning On/Off the Smart Energy Switch**

Use any of the below methods to allow power through or cut power from the Smart Energy Switch.

- o Through the usage of Z-Wave commands built into Z-Wave certified controllers and gateways. (The specific Z-Wave commands supporting this function are the Basic Command Class and Binary Switch Command Class.) Please consult the operation manual for these controllers for specific instructions on controlling the Smart Energy Switch.

- o Pressing the button on the Smart Energy Switch will toggle power flow (on/off) through the Smart Energy Switch.

• Monitoring Energy Consumption

The Aeon Labs Smart Energy Switch can report wattage energy usage or kWh energy usage to a Z-Wave gateway or controller when requested. If this function is supported by the gateway/controller, the energy consumption will be displayed in the user interface of the gateway/controller. (The specific Z-Wave commands supporting energy monitoring are the Meter Command Class and Multilevel Sensor Command Class.) Please consult the operation manual for these gateways/controllers for specific instructions on monitoring the Smart Energy Switch.

• Technical Specifications

o USA: 120V 60Hz input, 1875W or 15A max output
o EU: 250V 50Hz input, 4000W or 16A max output
o AU: 240V 50Hz input, 2400W or 10A max output

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.

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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THE INDEMNITY AND WARRANTY IN ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHER INDEMNITIES OR WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

FCC NOTICE (for USA):

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.

NOTE: 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.

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):

CE   RoHS

N16277

Harmonizing the Smart Home.

www.aeon-labs.com