



## Aeon Labs Micro Motor Controller

(In-Wall Z-Wave Motor Controller)

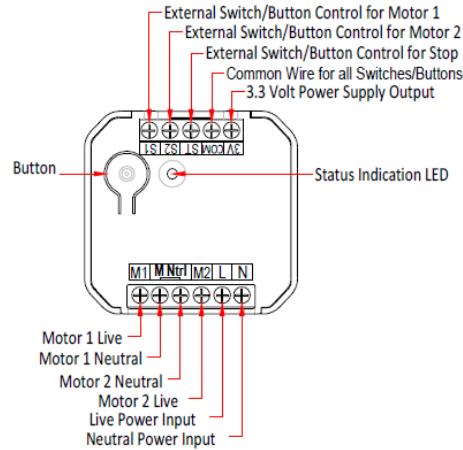


### In-Wall Electrical Installation Instructions:

**IMPORTANT:** A licensed electrician with knowledge and understanding of electrical systems and electrical safety should complete the electrical installation inside the main circuit box (usually located outside of your house).

**IMPORTANT:** The electricity to the circuit must be shut off during installation for safety and to ensure that wires are not shortcircuited during installation which will cause damage to the Micro Module.

The Aeon Labs Micro Motor Controller must first be powered by a 3-wire system in order to operate. The wiring diagram is as follows:



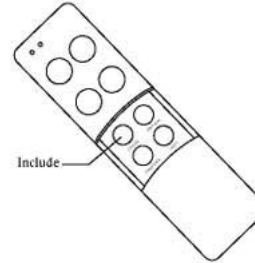
### Z-Wave Network Instructions:

The Aeon Labs Micro Motor Controller must be paired (included) into a Z-Wave network before it can receive Z-Wave commands to turn on/off/dim and report its energy usage. The Motor Controller can only communicate to devices within its own Z-Wave network.

**Note:** The LED on the Micro Motor Controller will blink if it is currently not paired into a Z-Wave network.

### Adding/Including/Pairing the Micro Motor Controller into a Z-Wave Network

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



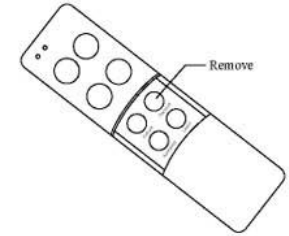
**Note:** To include the Aeon Labs Micro Motor Controller with other controllers, please consult the operation manual for these controllers on how to include Z-Wave products into an existing network. For instructions on select partner gateways, visit [www.aeon-labs.com/support](http://www.aeon-labs.com/support).

2. While the Micro Motor Controller is powered in a 3-wire system, press the button located near the Status Indication LED. Or alternatively, the external switch/button control can be pressed 6 times in quick succession.

**Troubleshooting:** If the Aeon Labs Micro Motor Controller was not successfully included into any Z-Wave network, the LED will be blinking slowly continually. If the Aeon Labs Micro Motor Controller was successfully included to a Z-Wave network, the Status Indication LED will either be solid on or off (depending on if the switch is on or off) 10 seconds after the button was last pressed.

### Removing/Resetting the Micro Motor Controller from your Z-Wave Network

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



**Note:** To include the Aeon Labs Micro Motor Controller 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](http://www.aeon-labs.com/support).

2. While the Micro Motor Controller is powered in a 3-wire system, press the button located near the Status Indication LED. Or alternatively, the external switch/button control can be pressed 6 times in quick succession.

**Troubleshooting:** If the Aeon Labs Micro Motor Controller was removed from the Z-Wave network, the Status Indication LED will be blinking. If the Aeon Labs Motor Controller was not successfully removed from the Z-Wave network, the Status Indication LED will either be solid on or off (depending on if the switch is on or off) 10 seconds after the button was last pressed.

### Controlling the Micro Motor Controller

Use any of the below methods to control the Micro Motor Controller.

- Pressing the button on the external (Wall) switch will be able to spin the motor up/down/stop.
- 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 Multilevel Switch Command Class.) Please consult the operation manual for these

controllers for specific instructions on controlling the Motor Controller.

- A short press on the button of the Motor Controller will spin the motor up/down. A hold and release of the button will stop the Motor Controller.

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.

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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.
- 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):**



**Harmonizing the Smart Home.**

[www.aeon-labs.com](http://www.aeon-labs.com)

**Change Mode on the External Switch/Button Control**

The Aeon Labs Micro Motor Controller by default is set to be controlled via 2-state (flip/flop) external wall switch. Pushing the button 6 times in quick succession on the Micro Motor Controller will swap between this default mode and the momentary push button external wall switch mode.

**Technical Specifications**

- USA: 110V 60Hz input, 275W or 2.5A max output
- EU/AU: 230V 50Hz input, 575W or 2.5A 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.