



Micro smart switch 2E manual

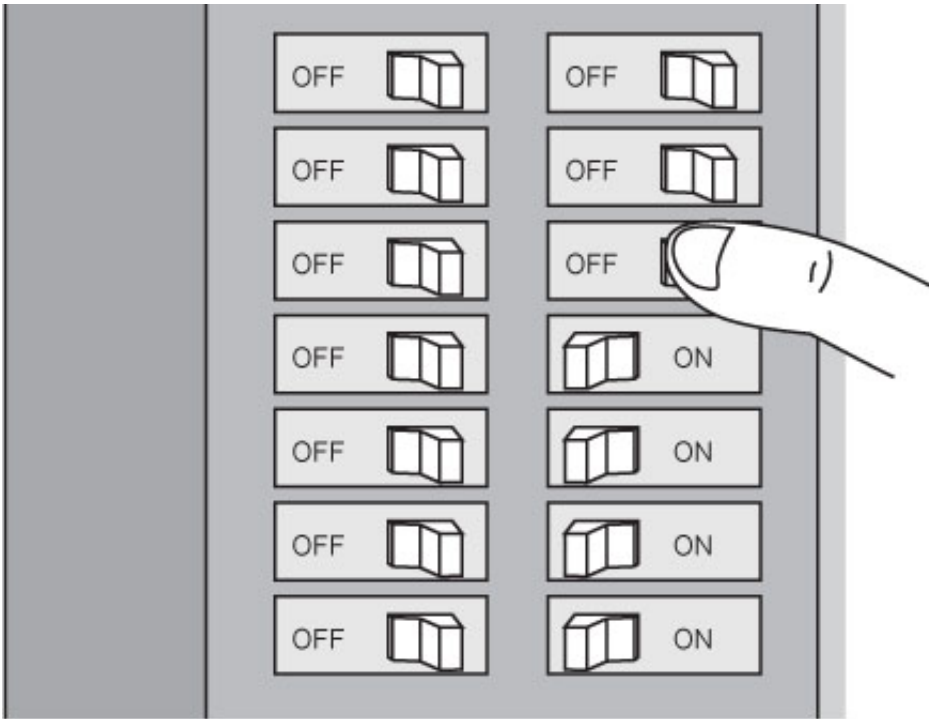
The following instructions have been designed to assist in the installation of the Aeotec by Aeon Labs [Z-Wave in wall Smart Switch](#). Please note that the instructions are for the 2nd Edition of the Micro Smart Switch.

In-Wall Electrical Installation Instructions



IMPORTANT

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



Dismounting In Wall Box.

①

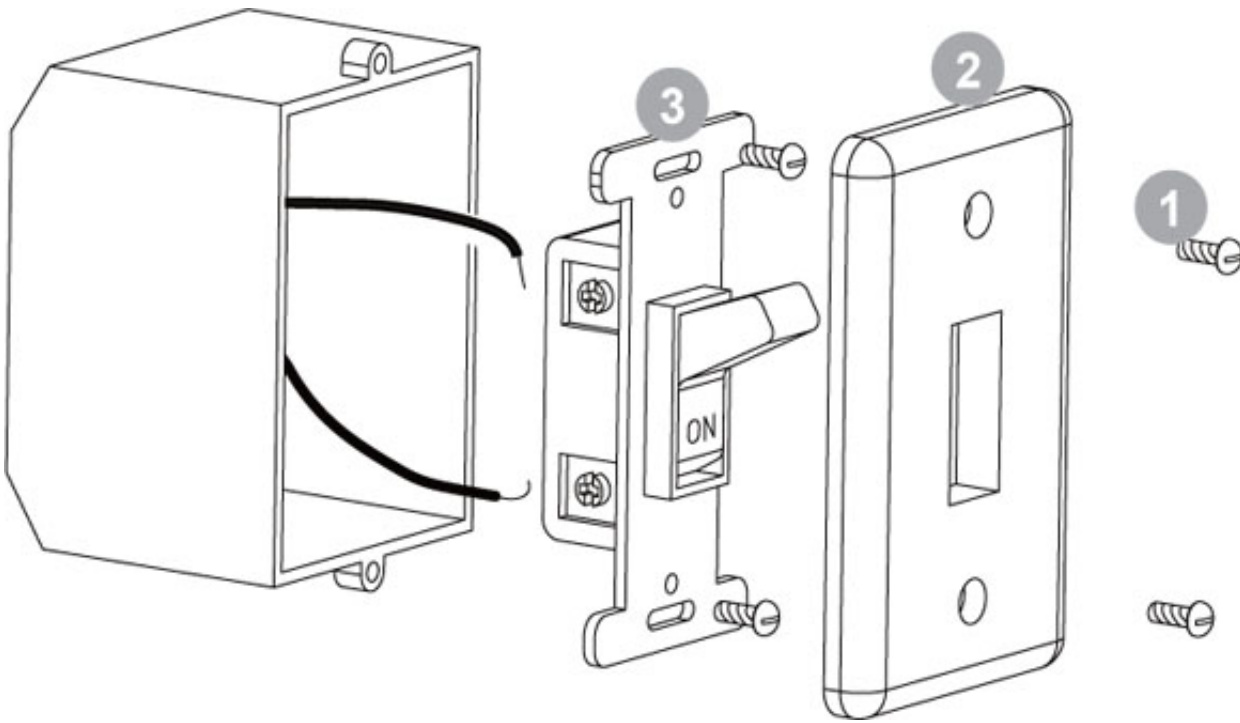
Remove the two screws securing the cover plate.

②

Remove the wall switch cover plate.

③

Remove the two screws securing the wall switch to the wall box. Disconnect both wires from the wall switch.



Preparing and Connecting Wires

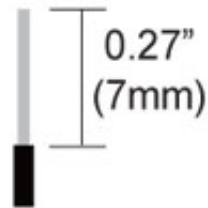
The Aeotec Micro Smart Energy Switch G2 must first be powered by a 3-wire system in order to operate. The wiring diagram is as follows:

Note

The “3V Out” terminal should be used only with the Aeon Micro Touch.

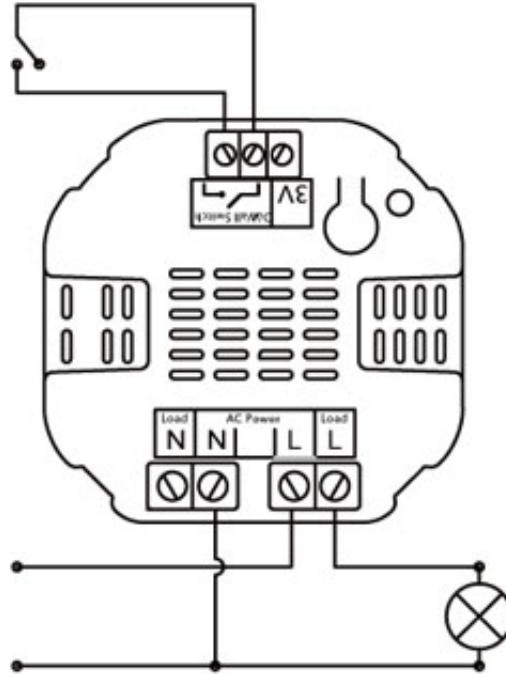
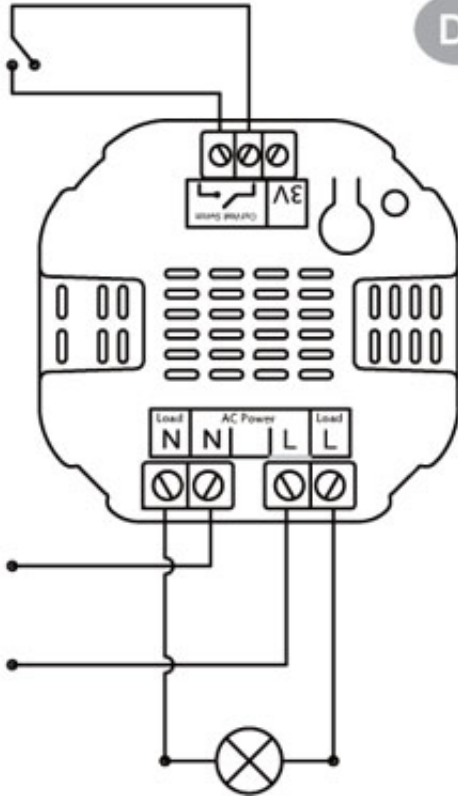


Cut wire if
neccessary



Strip Gage
(measure bare
here)

Diagram



1

Live – Hot wire (Black wire) Connect to Live terminal of Micro Smart Energy Switch G2.

2

Neutral (White wire) Note! If this wire is not present in the box, a neutral wire must be pulled into the box.

3

Load wire – Connect to Load terminal of Micro Smart Energy Switch G2.

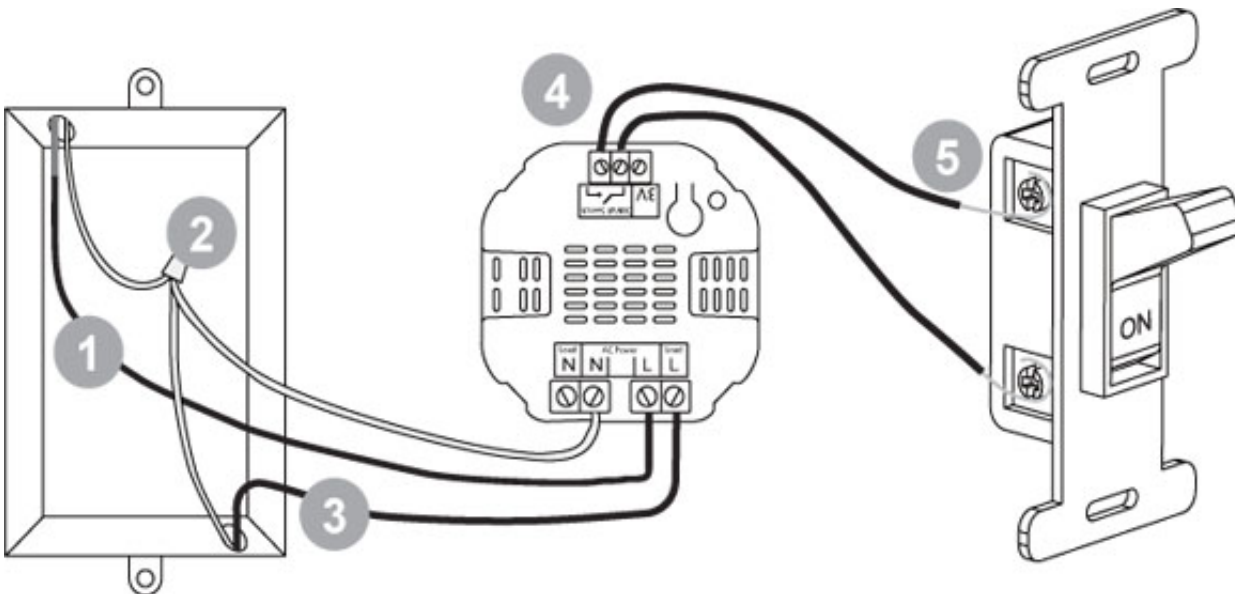
4

Signal connection – Using two 18 AWG copper wires, connect the terminals of the wall switch to Micro Smart Energy Switch G2 as shown.

- **Make sure that the ends of the wires from the wall box are straight (cut if necessary).**
- **Remove insulation from each wire and the wall box as shown.**

5

Side wire connection



Mounting In Wall Box.

1

Position all wires to provide room for the device. Place Micro Smart Energy Switch G2 inside the wall box towards the back of the box.

2

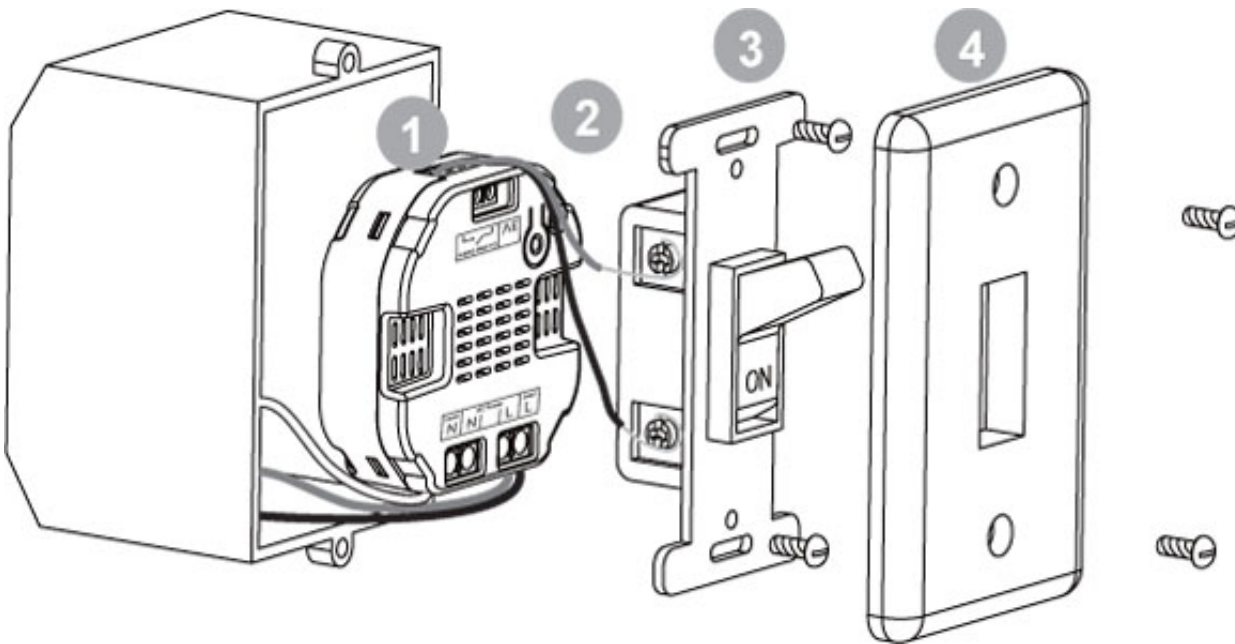
Position the antenna towards the back of the box, away from all other wiring.

③

Reinstall the wall switch to the wall box.

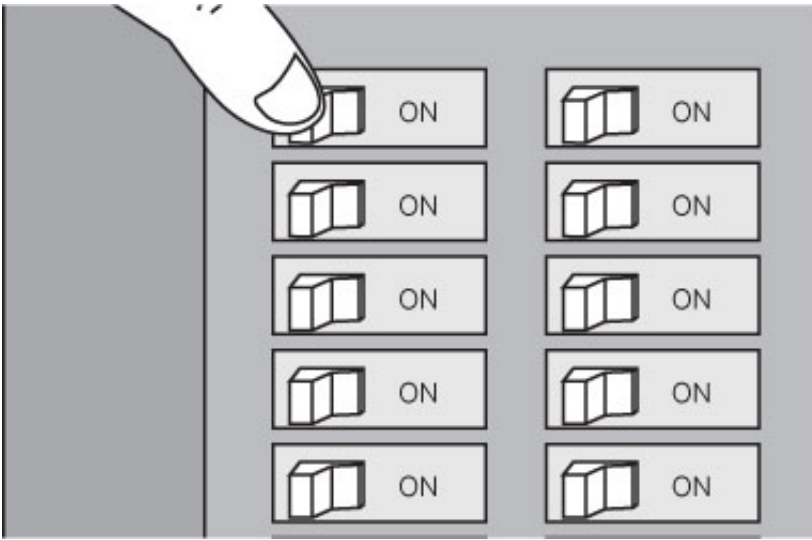
④

Reinstall the cover plate onto the wall box.



Restore Power

Restore power at the circuit breaker or fuse. **Installation is complete.**



Z-Wave Network Instructions:

The Aeotec Micro Smart Energy Switch G2 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 Micro Smart Energy Switch G2 can only communicate to devices within it's own Z-Wave network.

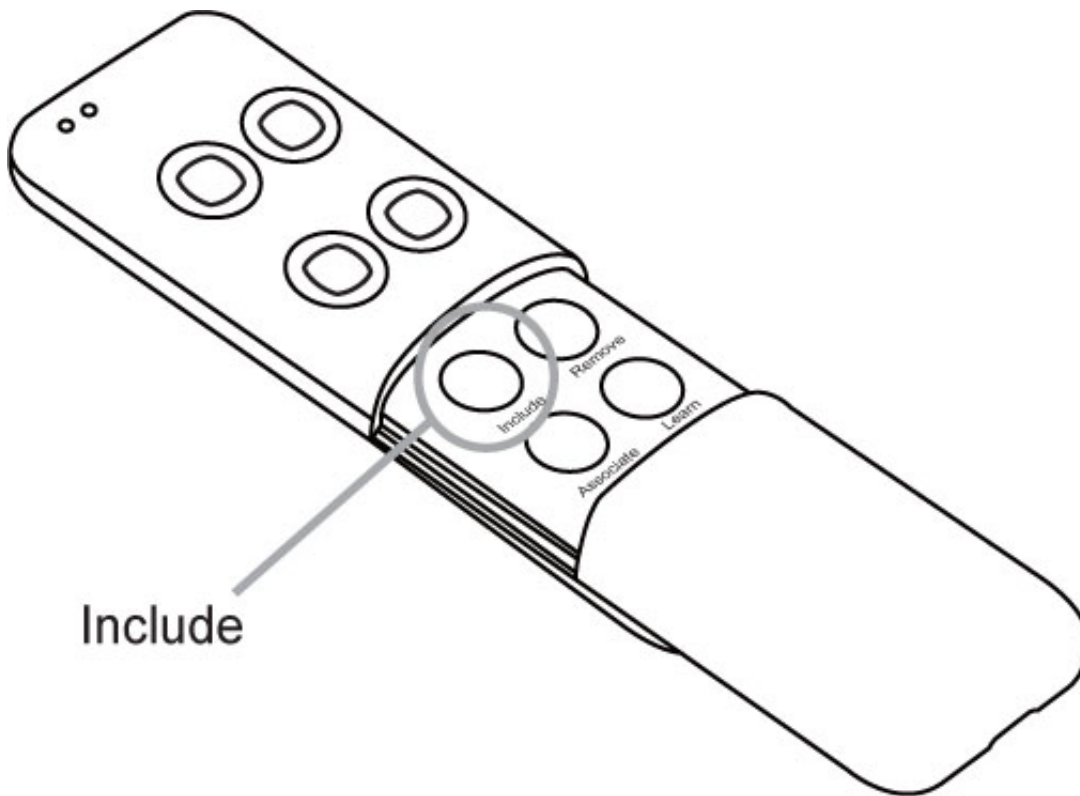
Note

The LED on the Micro Smart Energy Switch G2 will blink if it is currently not paired into a Z-Wave network.

Adding/Including/Pairing the Micro Smart Energy Switch G2 into a Z-Wave Network

①

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

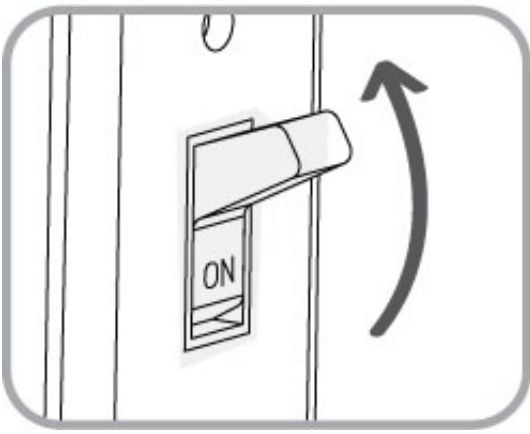


Note

To include the Aeotec Micro Smart Energy Switch G2 with other controllers, please consult the operation manual for these controllers on how to include Z-Wave products into an existing network.

2

While the Micro Smart Energy Switch G2 is powered in a 3-wire system, the external switch/button can be toggled to initiate pairing into the Z-Wave network. or the internal button can be pushed to initiate pairing into the Z-Wave network, if Micro Smart Energy Switch G2 was not put into in-wall box.



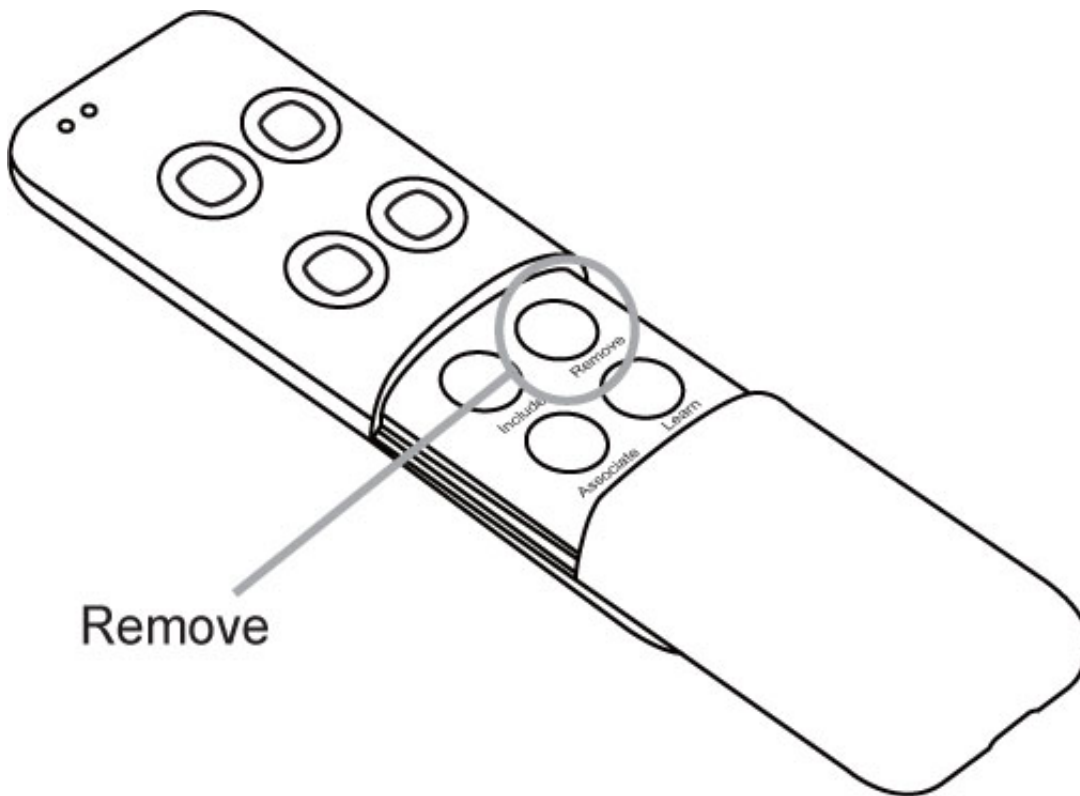
Troubleshooting

If the Aeotec Micro Smart Energy Switch G2 was not successfully included into any Z-Wave network, the LED will be blinking slowly continually. If the Aeotec Micro Smart Energy Switch G2 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).

Removing/Resetting the Micro Smart Energy Switch G2 from your Z-Wave Network

①

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

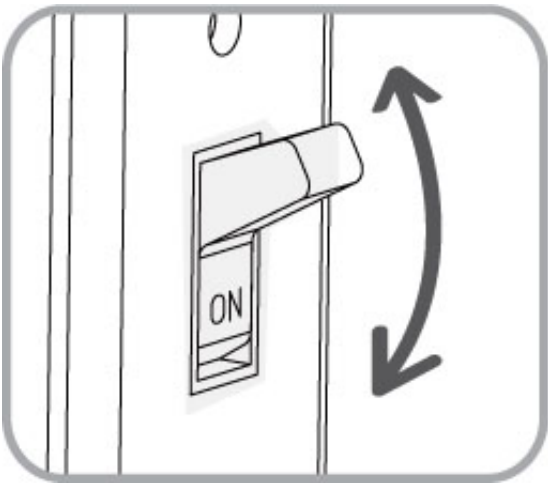


Note

To remove the Aeotec Micro Smart Energy Switch G2 from other controllers, please consult the operation manual for these controllers on how to remove Z-Wave products from an existing network.

2

While the Micro Smart Energy Switch G2 is powered in a 3-wire system, the external switch/button can be toggled 10 times in quick succession to initiate removing from the Z-Wave network. or the internal button can be pushed to initiate pairing into the Z-Wave network, if Micro Smart Energy Switch G2 was not put into in-wall box.



Turning On/Off the Micro Smart Energy Switch G2

Use any of the below methods to allow power through or cut power from the Micro Smart Energy Switch G2.

- 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 Binary Switch Command Class, and Scene Activation Command Class) Please consult the operation manual for these controllers for specific instructions on controlling the
- Pressing the button on the Micro Smart Energy Switch G2 will toggle power flow (on/off) through the Micro Smart Energy Switch G2.

Change Mode on the External Switch/Button Control

- The Aeotec Micro Smart Energy Switch G2 is set to be controlled via 2-