DIMMER ADD-ON OVERVIEW

Outdoorlink™ Dimmer for SL-4-AC Controllers

WHAT'S COVERED: Outdoorlink® dimmer add-on overview, technical specifications, installation procedures, and portal usage instructions.

OVERVIEW

Outdoorlink offers a dimmer as an add-on feature to our second generation (2.0) four relay cellular controllers. This dimming feature allows users to control the intensity level of any light fixture with 0-10V dimming capabilities. The dimmer has four independent dimming channels, which can control a different dimming circuit with multiple light fixtures connected to each circuit. The dimmer add-on feature can be requested at the time of purchase, and a four-channel relay controller will be delivered with dimming capabilities enabled.

TECHNICAL SPECIFICATIONS

- Dimmable controllers can individually control four dimmer circuits, one for each relay.
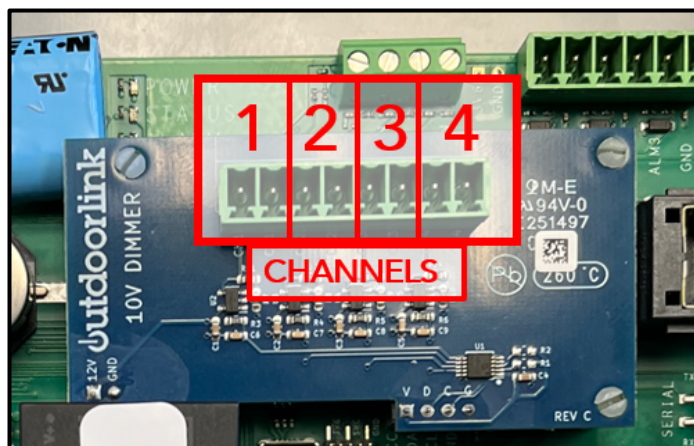- Compatible with 0-10V ballast dimming standards.

INSTALLATION

The dimmer module is incorporated as an add-on feature to Outdoorlink four-channel relay controllers. For installation of the Outdoorlink controller, refer to the SL-4-AC Installation Guidelines located here: https://outdoorlinkinc.com/documentation/.

NOTE: Due to the dimmer being incorporated during manufacturing, retrofits are not supported.
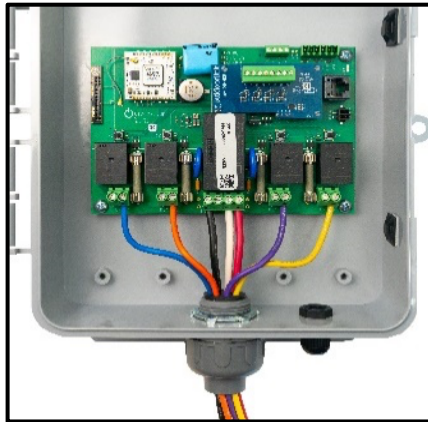
As shown in Figure 1, the module has four independently dimmable channels. Each channel corresponds to the relay with the matching number. For example, channel 1 corresponds to relay 1, channel 2 with relay 2, and so on.

Figure 1 Channels

For secure installation of the dimming wires, dimmer-enabled controllers come equipped with a cable gland mounted through the bottom of the enclosure and two wire tie mounts (not included) internally. A standard eight port terminal block is also included to connect the dimming wires. Figure 2 provides an internal view of how the dimmer-enabled controller is delivered.
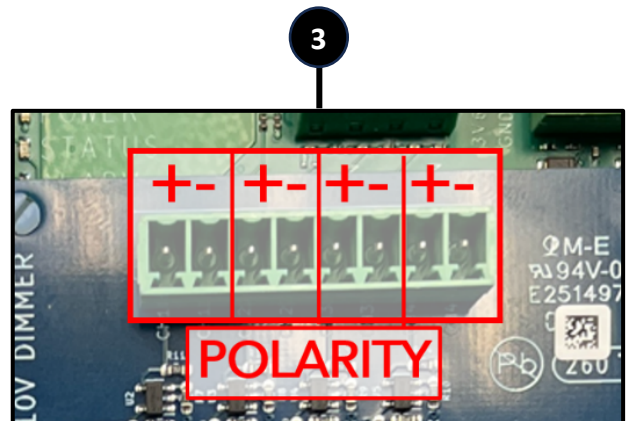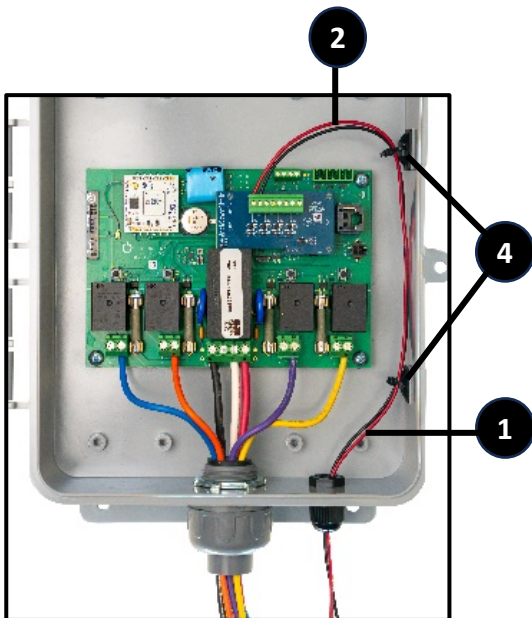
Figure 2 Delivered State
(Internal View)

Please refer to the following procedure and the accompanying figures for instructions on connecting and securing the dimming wires. The numbers in the figures correspond with the procedural steps.

To connect and secure the dimming wires:

1. Route the dimming wires through the cable gland.
2. Connect the wires to the desired channels of the board connection.
3. Ensure proper positive and negative connections.
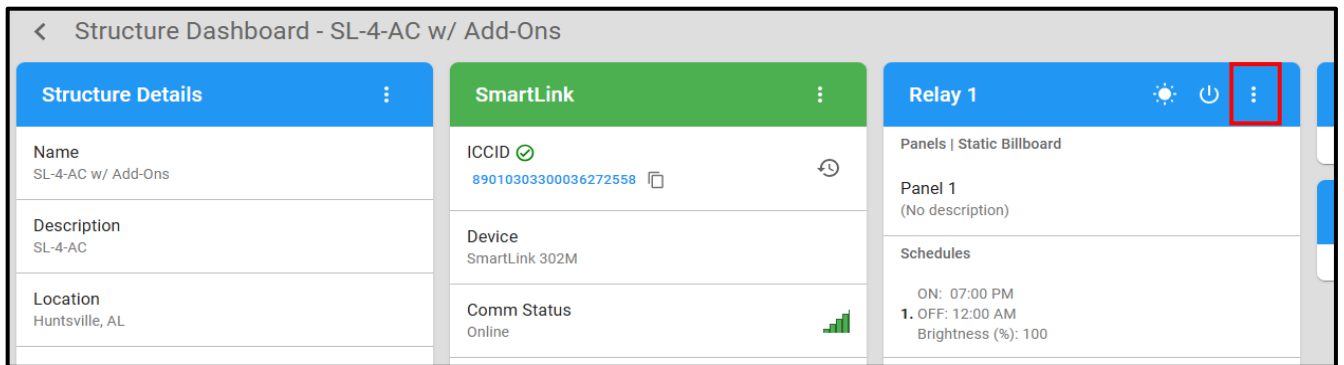4. Secure the wires to the cable tie mounts.
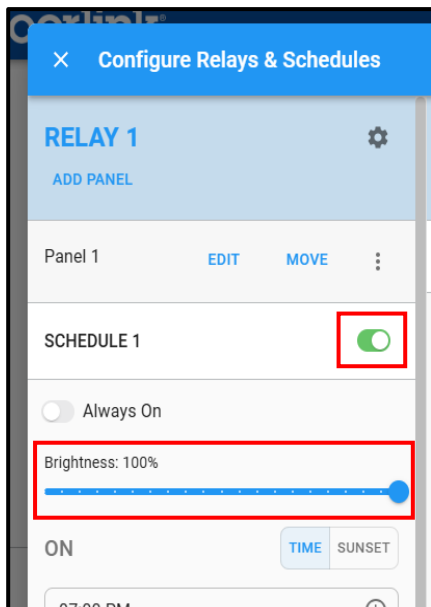
PORTAL APPLICATON

The dimmer can be controlled from the portal application in the relay scheduling settings. For detailed portal setup and usage instructions, please refer to the Portal User Guidelines located here: https://outdoorlinkinc.com/documentation/.

To configure the dimmer:

1. From the Home page of the portal application, go to *Plant/Site Group Dashboard > Structure Dashboard > Relay Panel > Relay Options > Configure.*
2. Inside a structure dashboard, select the vertical ellipsis in the top right corner of the desired relay pane.

3. From the Configure Relays & Schedules panel, you may perform the following functions for each relay and schedule individually:
   a. Enable a schedule by clicking the toggle button.
   b. Adjust the brightness by using the slider bar.

4. When finished, click *Save.*