

4-Series-AC Controller

OVERVIEW

This document provides critical information and instructions for initially installing the OutdoorLink® 4 Series controllers. Review and adhere to all applicable local electrical codes before installation. The OutdoorLink units operate in a high-voltage environment. OutdoorLink, Inc. assumes no liability for any injury or death incurred during the installation of the OutdoorLink unit. For detailed information about the 4-Series controller, refer to the technical data sheets available at www.outdoorlink.com/resources.



PRE-INSTALLATION NOTES

- Confirm the voltage of your power source and planned wiring configuration.
- Relays 1 and 2 are supplied by line 1. Relays 3 and 4 are supplied by line 2.
- Each relay is rated at 16 A @ 50C and 14 A @ 70C. Each line can switch a combined load of 24 A.
- Individual relay outputs are fused at 20A
- Each supply input is required to be fed by no more than a 30A breaker.
- For 240V split phase installations, a relay from each line is paired to provide power to the fixture e.g., Relay 1 and 3, Relay 2 and 4.

INSTALLATION

CAUTION: Before working with the unit, turn off all breakers and follow all applicable electrical codes and safety procedures.

Mounting

1. Place the controller at the desired location.
2. Use the existing screw holes in the enclosure to mark the holes for mounting the unit.
3. Mount the unit using appropriate fasteners following fastener recommendations.

Wiring Connections

1. Refer to the wiring diagrams below for details.
2. Connect the relay cables directly to the corresponding loads. Note that all cables must be routed using appropriate fire-rated conduit. Refer to local electrical codes for the selection of conduit and its fittings. The enclosure is supplied with a pre-drilled 34 mm hole that is compatible with most standard conduit fittings.
3. Once all wired connections have been completed, ensure that all unused cables are insulated with caps or wire nuts. The cable must be sized according to the rated load.
4. Reinstall any safety equipment and the main breaker panel.
5. Turn on the power at the breaker panel or load center.
6. **Important: The controller is now installed and ready for activation. Use the OutdoorLink App to add the device to the Structure Dashboard. The mobile app can be used to scan the ICCID from the QR code.**

Controller Overview



Number	Description
1	Relay 1 <i>Note: All relays can be wired Normally Open or Normally Closed.</i>
2	Relay 2
3	Relay 3
4	Relay 4
5	Line 1 Terminal – Provides power to the controller and switching voltage for relays 1 and 2 <i>Note: The secondary Line 1 wire is provided so that a jumper wire can be used to power all 4 relays from a single supply. If the total load is less than 24A.</i>
6	Neutral Terminal
7	Line 2 Terminal – Provides switching voltage for relays 3 and 4

OPERATION

Portal Application Setup

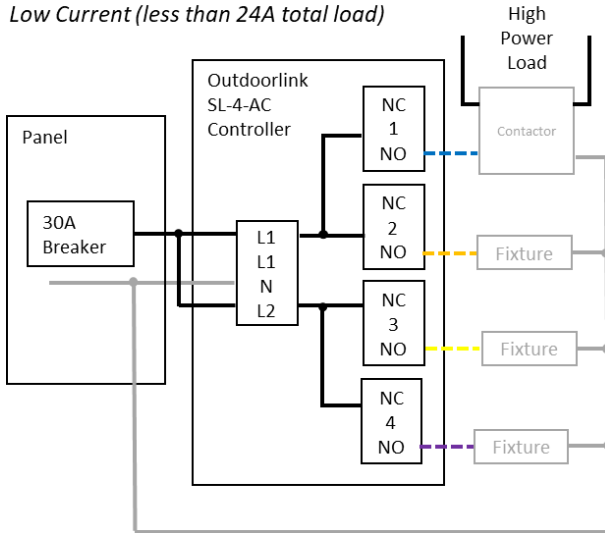
To set up the controller in the portal application, refer to the Outdoorlink® Portal User Guide located www.outdoorlink.com/resources.

Contact Outdoorlink support via Whatsapp at +1 (256) 975-1546 if there are issues with any of the steps listed above.

WIRING DIAGRAMS

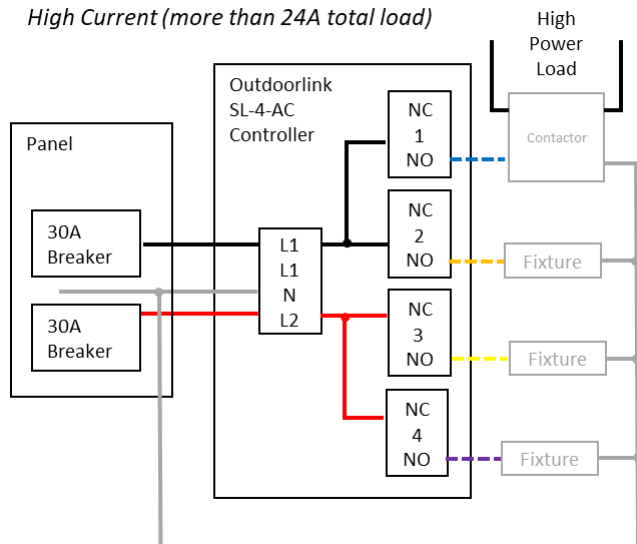
120V, 208V, 230V, 277V Fixtures

Low Current (less than 24A total load)



120V, 208V, 230V, 277V Fixtures

High Current (more than 24A total load)



240V Split Phase Fixtures

Max 24A total load

