



ESSENTIAL FORWARD PHASE DIMMER



ESSENTIAL SWITCH



ESSENTIAL AUXILIARY KEYPAD



Control4® Essential Lighting Wiring Guide

SCREW TERMINALS ON ESSENTIAL LIGHTING PRODUCTS

Control4 Essential Lighting products feature convenient dual quick-connect holes and screw terminals with the ability to daisy-chain devices for convenient installation.

Important wiring information

- Essential Lighting products are only rated for use with copper wire.
- Use 14 AWG or larger wires suitable for at least 80 °C
- To use the quick-connect holes, strip 5/8" (16 mm) of insulation from the wires.
- To use the screw terminals, strip 1" (25 mm) of insulation from the wires.

WIRING LEGEND

| | | |
|-----------|--|---------------------------|
| Black | | Line voltage |
| Red | | Load (to light) |
| Gray | | Neutral |
| Green | | Earth ground |
| Blue | | Traveler |
| Red/White | | Load/neutral (switch-leg) |



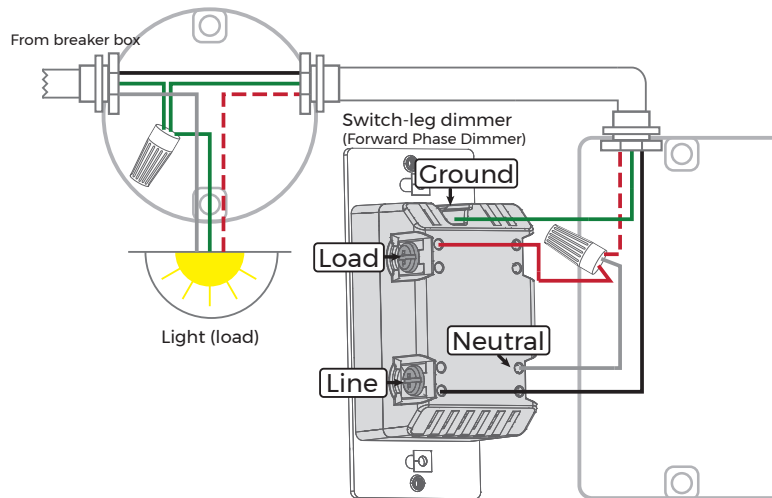
Important! Wiring colors in these diagrams are representative and will vary depending on your installation.

Wiring examples

SWITCH-LEG CONFIGURATION

This diagram shows a sample wiring configuration using an Essential Forward Phase Dimmer (C4-V-FPD120) in a switch-leg (no neutral in the wallbox) situation.

Switch-leg (no neutral)



Note: The Essential Forward Phase Dimmer does not support an Auxiliary Keypad when installed in a switch-leg configuration.

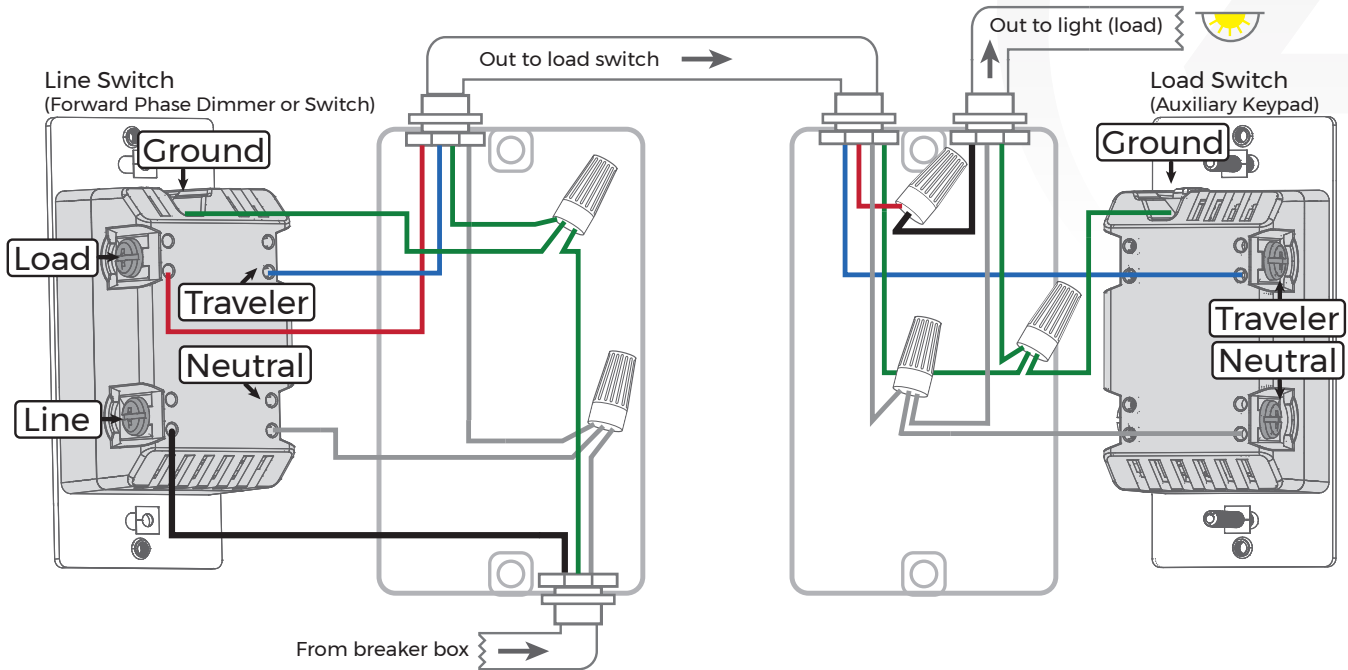


Note: The Essential Switch does not support switch-leg configuration.

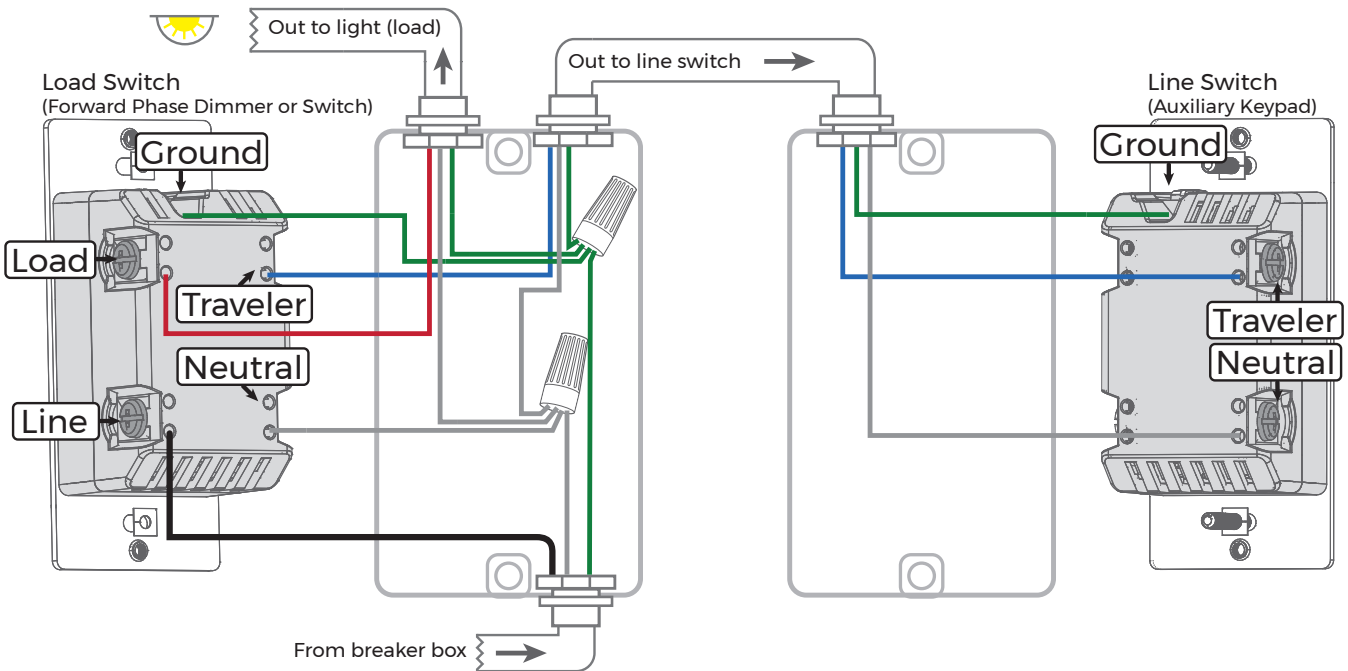
3-WAY CONFIGURATIONS WITH AN ESSENTIAL AUXILIARY KEYPAD

These diagrams show sample 3-way wiring configurations using an Essential Forward Phase Dimmer (C4-V-FPD120) or Switch (C4-V-SW120-277) with one Essential Auxiliary Keypad (C4-V-AUX).

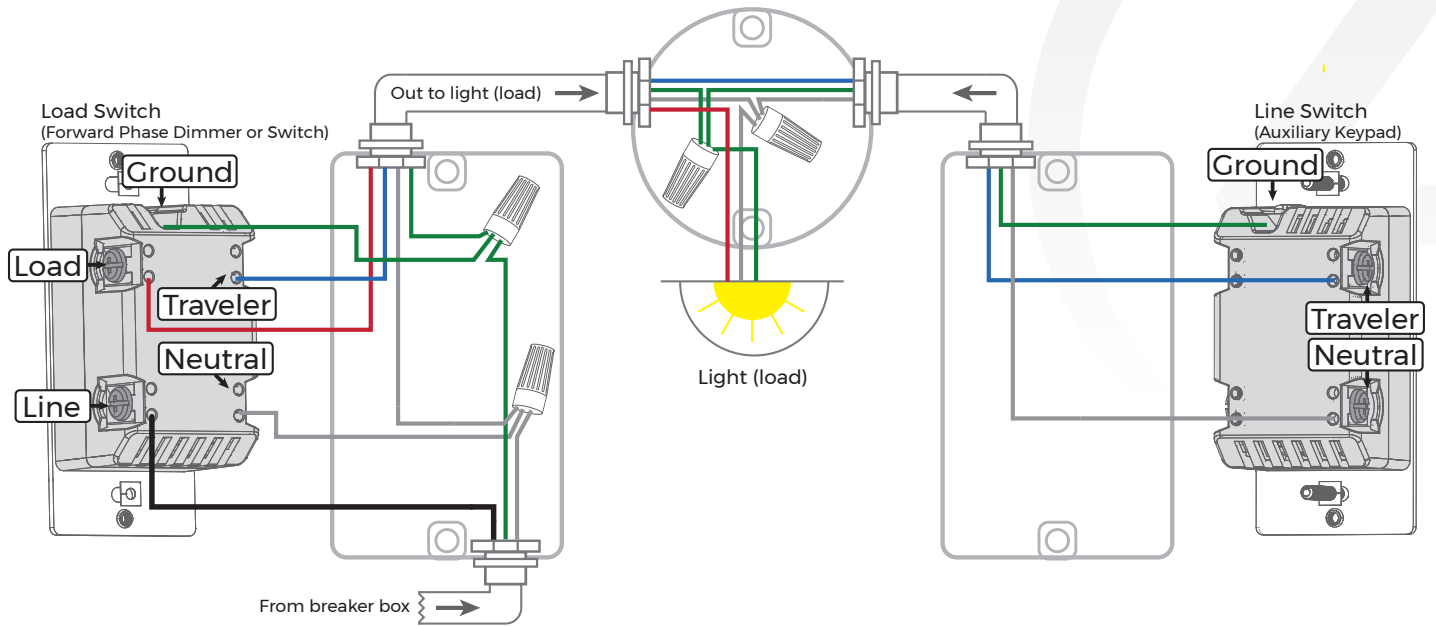
3-way Line - Load - Light (Dimmer at line switch location)



3-way Line - Load - Light (Dimmer at load switch location)



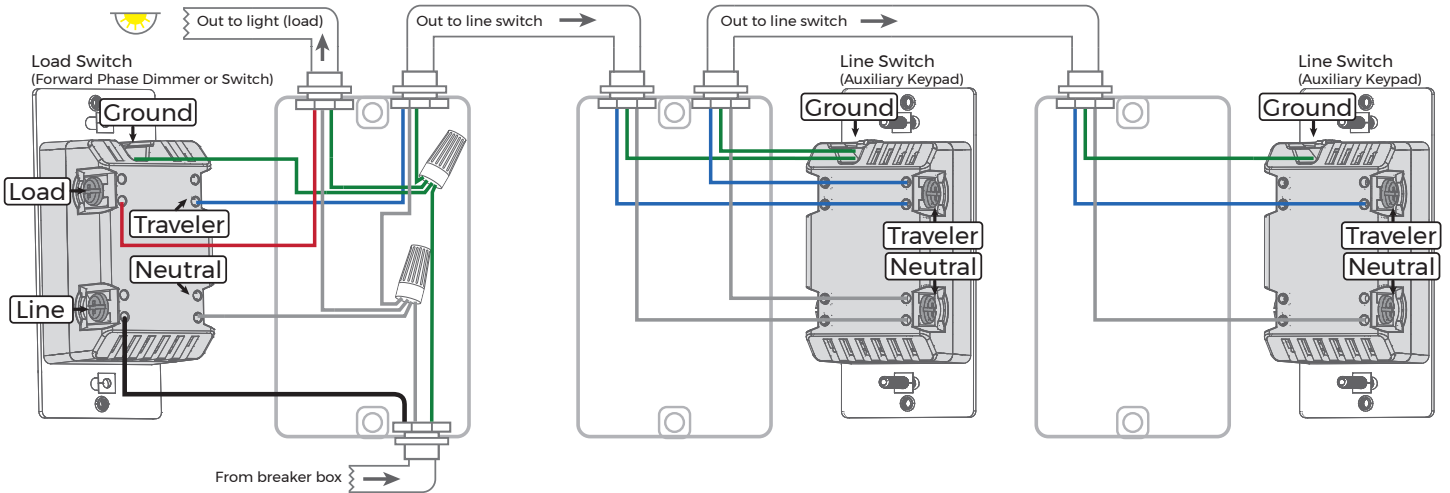
3-way Load - Light - Line (Light between Line and Load switch locations)



4-WAY CONFIGURATION WITH ESSENTIAL AUXILIARY KEYPADS

This diagram shows a sample 4-way wiring configuration using an Essential Forward Phase Dimmer (C4-V-FPD120) or Switch (C4-V-SW120-277) with two Essential Auxiliary Keypads (C4-V-AUX). Daisy-chain each additional Auxiliary Keypad by extending the Ground, Traveler, and Neutral to each keypad.

4-way configuration



Note: The Essential Forward Phase Dimmer and Switch support up to five Auxiliary Keypads, daisy-chained as shown above in 3-, 4-, 5-, or 6-way wiring configurations.

Note: Each Essential Auxiliary Keypad can be up to 100 m (300 ft) from the dimmer, switch, or another keypad. Total distance from the dimmer or switch to all the connected keypads can be up to 300 m (1000 ft).

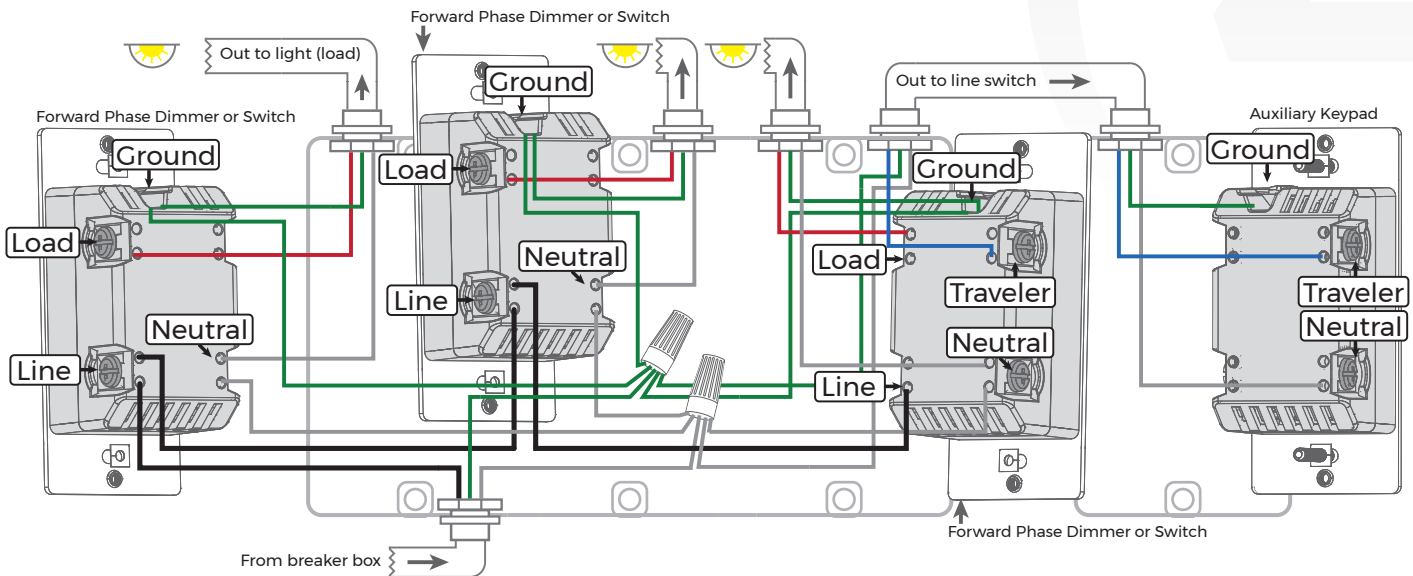
MULTI-GANG BOX WIRING EXAMPLE

This diagram shows a sample multi-gang box configuration with an additional 3-way location using multiple Essential Forward Phase Dimmers (C4-V-FPD120) or Switches (C4-V-SW120-277) and an Essential Auxiliary Keypad (C4-V-AUX).



Tip: Use the two quick-connect terminals to daisy-chain your wiring to save clutter in a multi-gang box installation. For example, take ground into each dimmer and then out to each light.

Three-gang box with one 3-way



Regulatory/Safety information

To review regulatory information for your particular Control4 products, see the information located on the Control4 website at ctrl4.co/reg.

Warranty

Visit ctrl4.co/warranty for details.

More information

More information on Essential Lighting products can be found on our website or in the Dealer Portal. Open the URL below or scan the QR code.

