Control4®
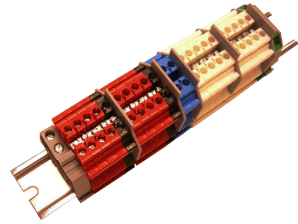
Terminal Block
Wiring Guide

Figure 2. 8-Channel Dimmer Terminal Block wiring

Supported models

- C4-DIN-TB-PO — Power/Override Terminal Block (used with 8-Channel 0-10V Dimmer, 8-Port Ethernet Switch, and 48V Bus Power Supply)
- C4-DIN-TB-8DIM — 8-Channel Dimmer Terminal Block
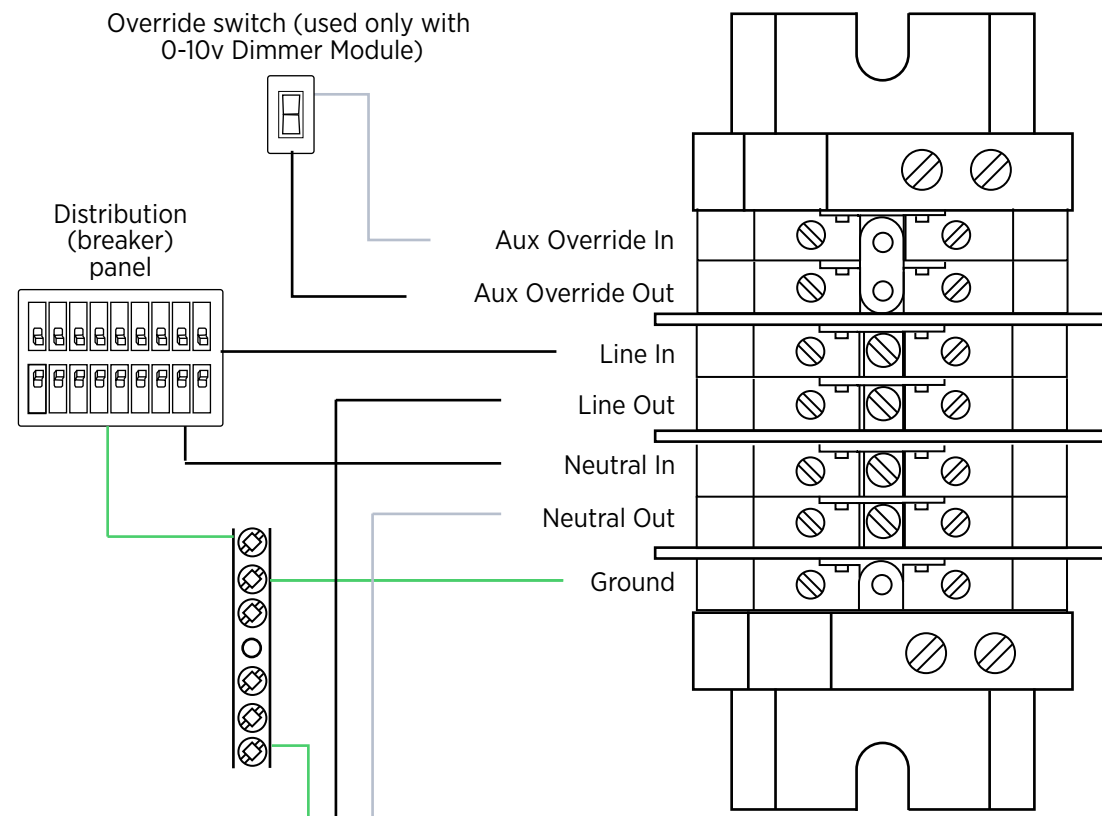- C4-DIN-TB-8REL-V2 — 8-Channel Relay Terminal Block, V2

Diagrams color code

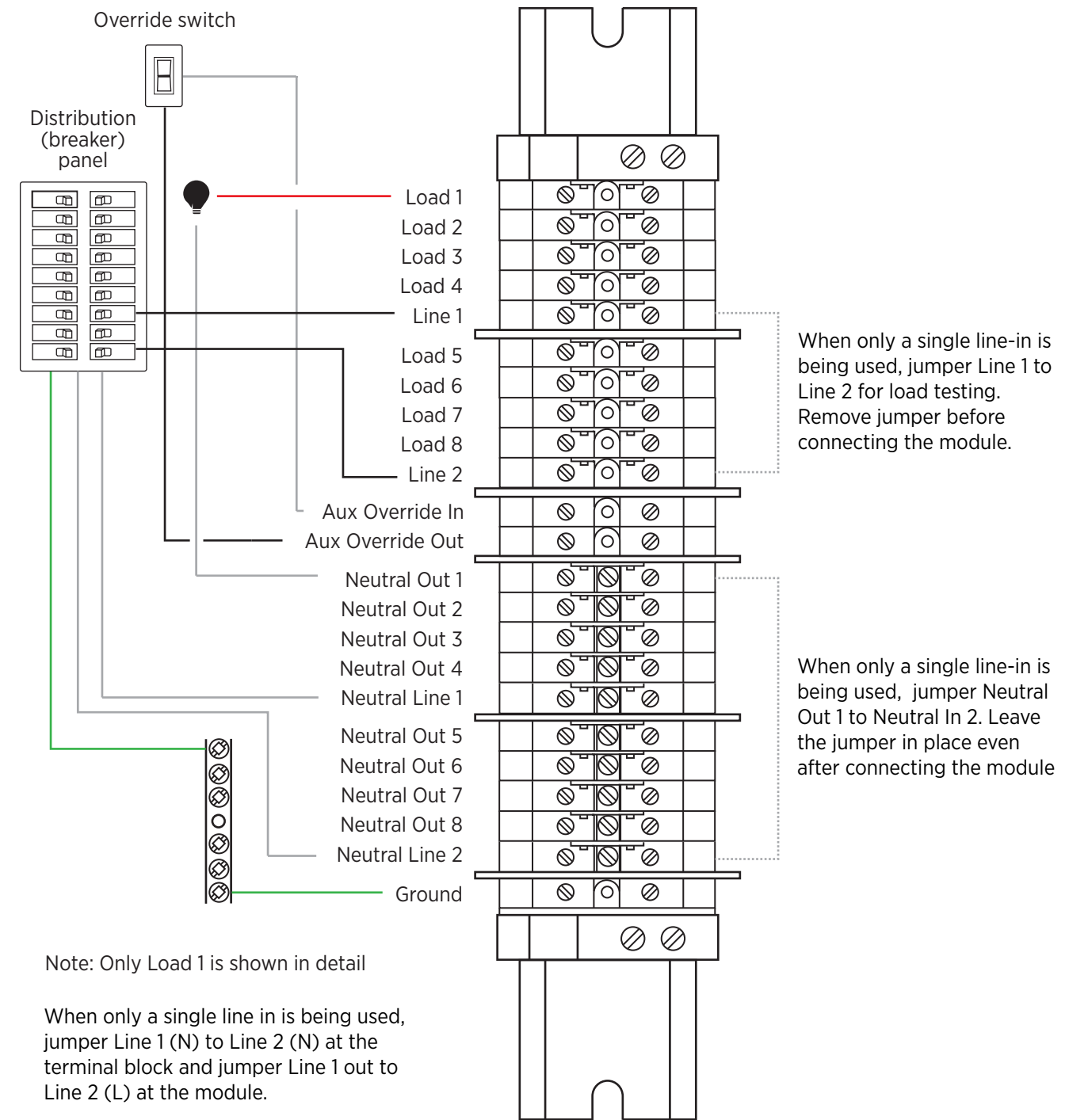|	
Black	Live
Red	Load
Gray	Neutral
Green	Earth Ground

Wiring diagrams

Refer to the Control4® Terminal Block wiring diagrams in this guide along with the *Terminal Block Installation Guide* (ctrl4.co/blockinstall) to install the terminal blocks for these Panelized Lighting modules: 8-Port Ethernet Switch, 48V Bus Power Supply, 8-Channel Dimmer, 8-Channel Relay, and 8-Channel 0-10V Dimmer.

Figure 1. Power/Override Terminal Block wiring

Override switch (used only with 0-10v Dimmer Module)

Distribution (breaker) panel

Aux Override In
Aux Override Out
Line In
Line Out
Neutral In
Neutral Out
Ground

To other Ethernet Switches, 48V Bus Power Supplies, or 0-10V Dimmer Modules. Do not use to power Dimmer Modules or Relay Modules.

Note: All Line-Ins must be the same phase.
Only Load 1 shown in detail

Override switch

Distribution (breaker) panel

Load 1
Load 2
Load 3
Load 4
Line 1
Load 5
Load 6
Load 7
Load 8
Line 2
Aux Override In
Aux Override Out
Neutral Out 1
Neutral Out 2
Neutral Out 3
Neutral Out 4
Neutral Line 1
Neutral Out 5
Neutral Out 6
Neutral Out 7
Neutral Out 8
Neutral Line 2
Ground

When only a single line-in is being used, jumper Line 1 to Line 2 for load testing. Remove jumper before connecting the module.

When only a single line-in is being used, jumper Neutral Out 1 to Neutral In 2. Leave the jumper in place even after connecting the module
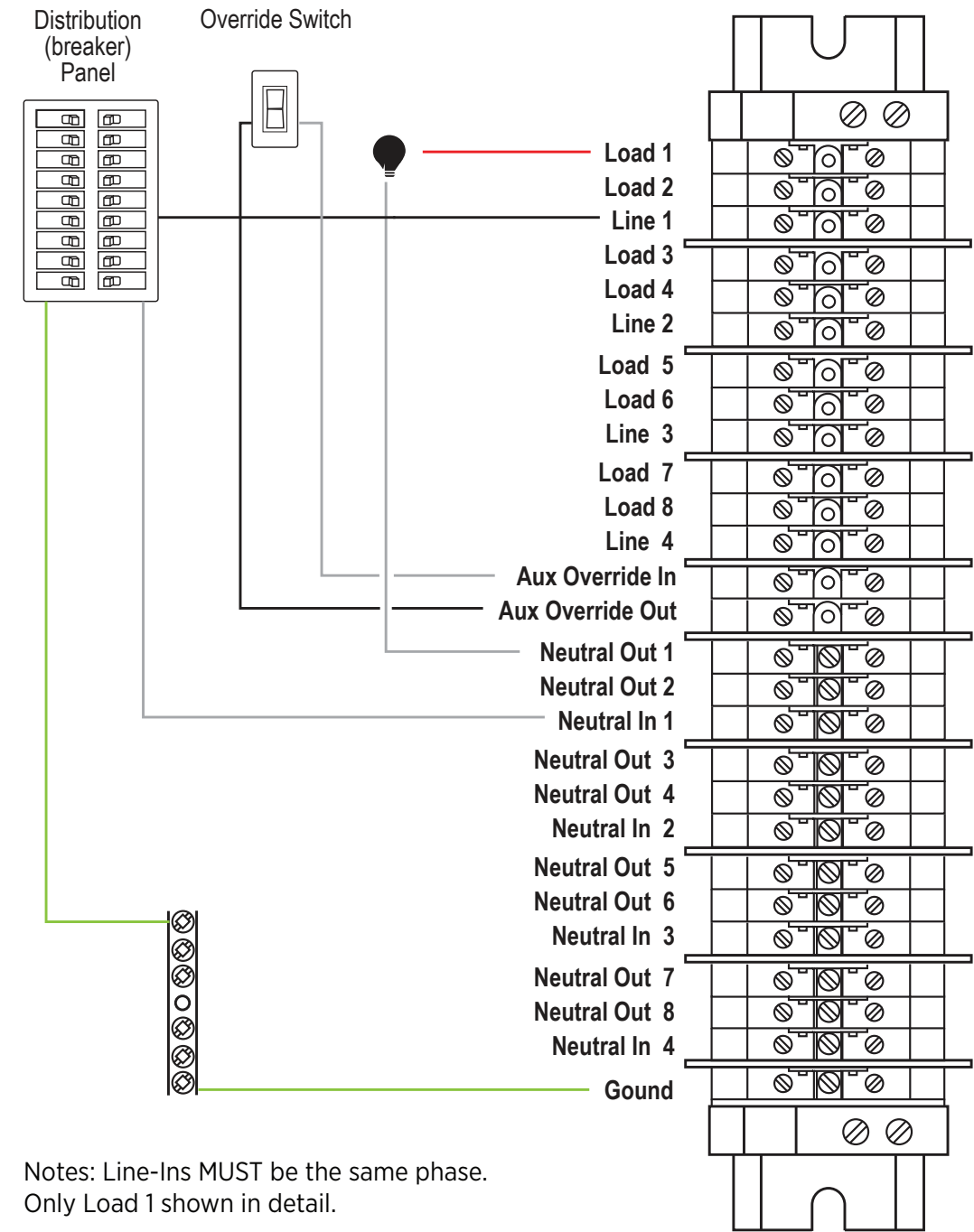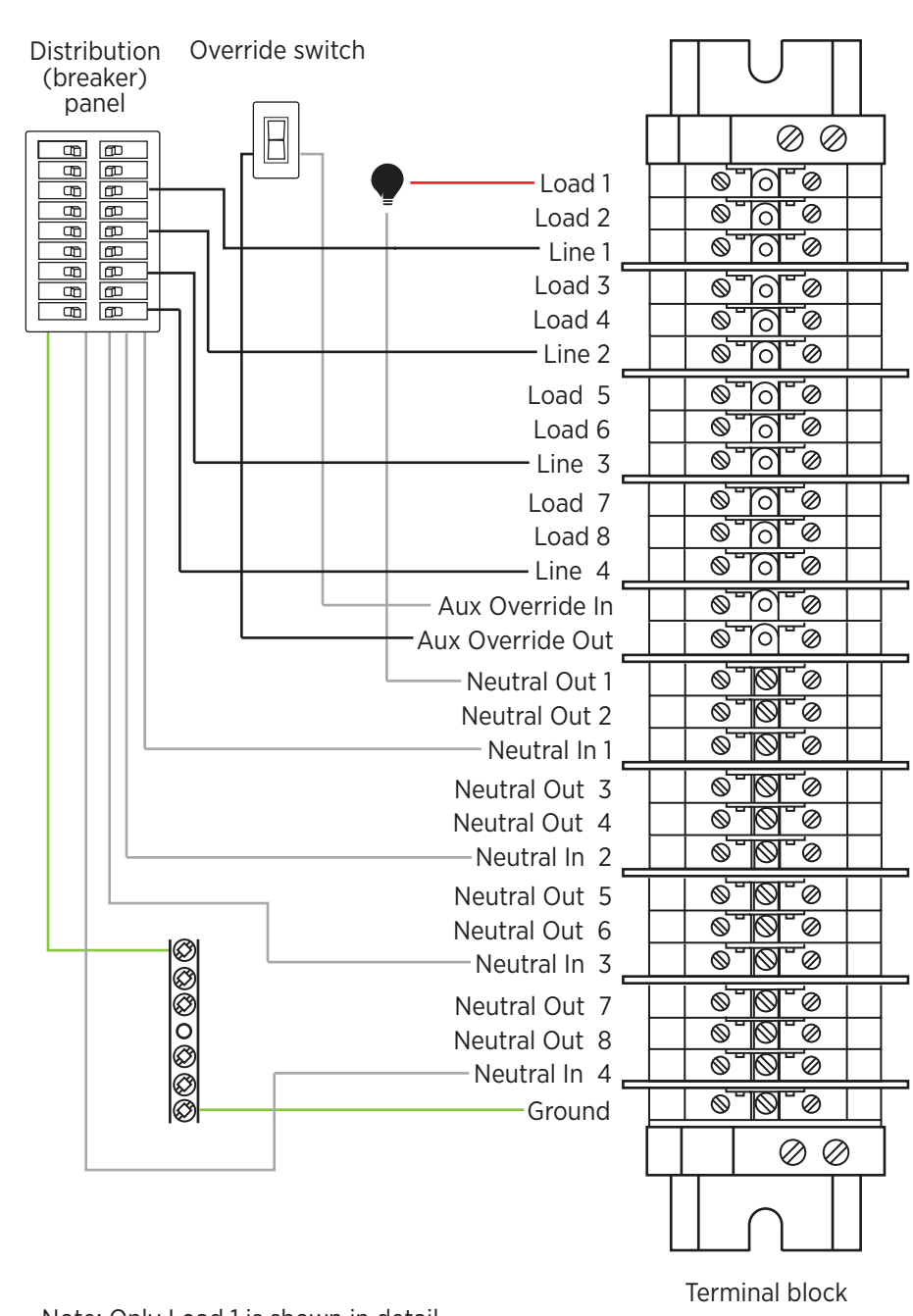
Note: Only Load 1 is shown in detail

When only a single line in is being used, jumper Line 1 (N) to Line 2 (N) at the terminal block and jumper Line 1 out to Line 2 (L) at the module.

Figure 3. C4-DIN-8REL-E2 8-Channel Relay Terminal Block Wiring

Distribution (breaker) Panel

Override Switch

Load 1
Load 2
Line 1
Load 3
Load 4
Line 2
Load 5
Load 6
Line 3
Load 7
Load 8
Line 4
Aux Override In
Aux Override Out
Neutral Out 1
Neutral Out 2
Neutral In 1
Neutral Out 3
Neutral Out 4
Neutral In 2
Neutral Out 5
Neutral Out 6
Neutral In 3
Neutral Out 7
Neutral Out 8
Neutral In 4
Gound

Notes: Line-Ins MUST be the same phase.
Only Load 1 shown in detail.

Figure 4. C4-DIN-8REL-E-V2 8-Channel Relay Terminal Block Wiring

Distribution (breaker) panel

Override switch

Load 1
Load 2
Line 1
Load 3
Load 4
Line 2
Load 5
Load 6
Line 3
Load 7
Load 8
Line 4
Aux Override In
Aux Override Out
Neutral Out 1
Neutral Out 2
Neutral In 1
Neutral Out 3
Neutral Out 4
Neutral In 2
Neutral Out 5
Neutral Out 6
Neutral In 3
Neutral Out 7
Neutral Out 8
Neutral In 4
Ground

When only a single line-in is being used, jumper Line 1 to Line 2 for load testing. Remove jumper before connecting the module.

When only a single line-in is being used, jumper Neutral Out 1 to Neutral In 2. Leave the jumper in place even after connecting the module

Terminal block

Note: Only Load 1 is shown in detail

When only a single line in is being used, jumper Line 1 (N) to Line 2 (N) at the terminal block and jumper Line 1 out to Line 2 (L) at the module.

More help

For the latest version of this guide and to view additional materials, open the URL below or scan the QR code. Your device must be able to view PDFs.

MOST RECENT VERSION
ctrl4.co/blockwiring

INSTALLATION GUIDE
ctrl4.co/blockinstall

Control4®

control4.com | 888.400.4070