

DC actuator power supply installation guide

The 18 VDC power supply (model 124-0) is designed to power a DC actuator. A 36-volt DC actuator positions more slowly and accurately with an 18-volt power supply, but has less thrust.

The 124-0 comes with +18 and -18 VDC fused outputs and a Snubber filter. The Snubber absorbs the 'noise' caused by the load switching on and off and helps extend the life of the actuator and control.



Features

- ◆ Easy installation
- ◆ Snubber filter
- ◆ Ground plate
- ◆ Overload protection fuses
- ◆ One +18 VDC and one -18 VDC output
- ◆ Rugged enclosure (corrosion resistant, water resistant, and fire retardant)
- ◆ CSA approval
- ◆ 90-day limited warranty

Electrical ratings

- ◆ Input: 120 VAC, 1 A
- ◆ Output: +18 VDC, 3 A, 50% duty cycle
-18 VDC, 3 A, 50% duty cycle
- ◆ Fuses (2): 5 A, 250 V slow-blow glass

Installing the power supply



- ◇ The DC actuator power supply must be installed by a qualified electrician.
- ◇ Install the power supply and all equipment connected to them according to local electrical codes.
- ◇ Before installing or servicing equipment, switch OFF the incoming power at the source.



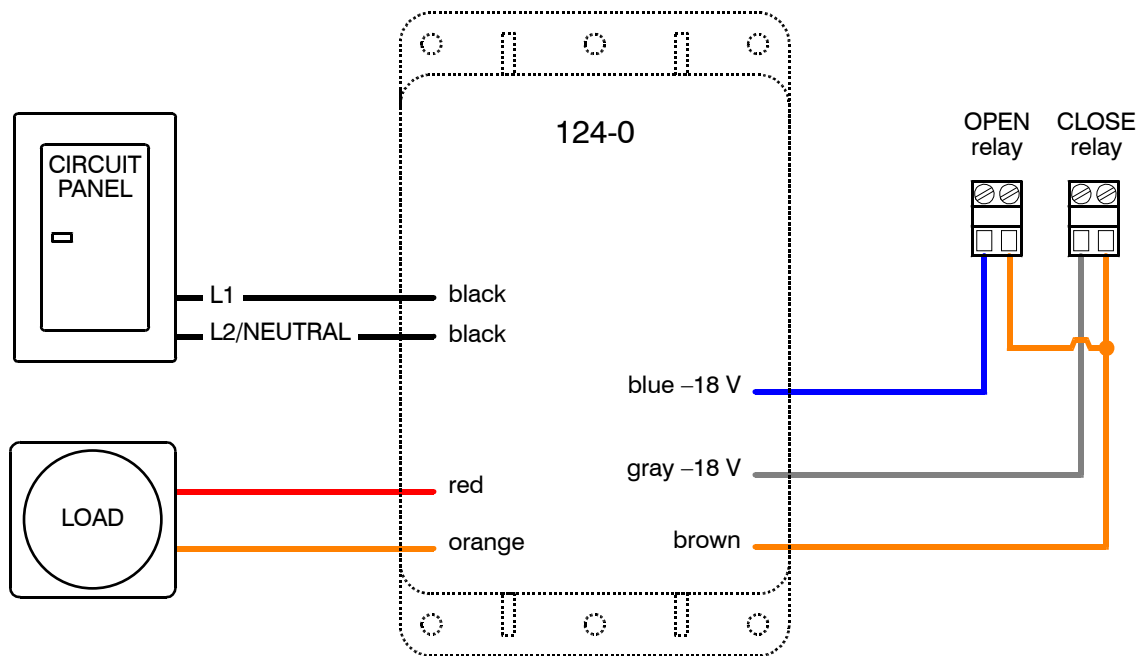
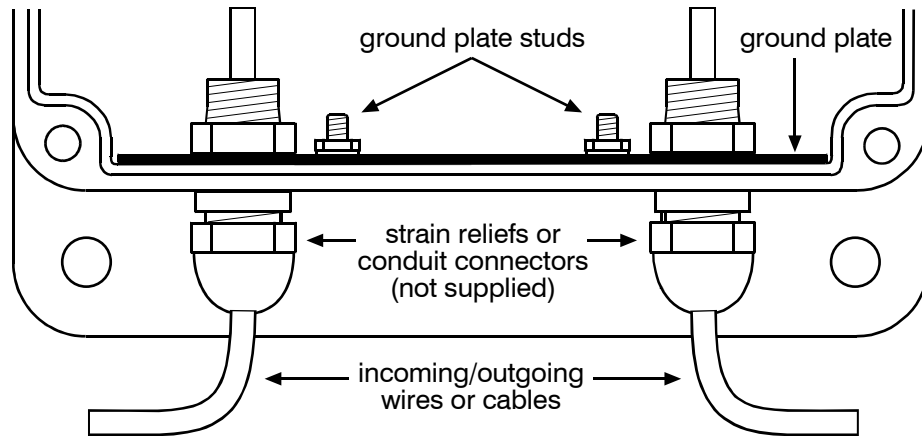
- ◇ Mount the enclosure on a sheltered, vertical surface, away from sources of heat, and with the electrical knockouts facing down.
- ◇ Use a screwdriver to tighten the screws in the enclosure. Do not use a drill or over tighten the screws; this can crack the enclosure and ruin the watertight seal.
- ◇ Use the electrical knockouts for bringing wires or cables into or out of the enclosure. Use watertight strain reliefs or conduit connectors at all cable-entry points.
- ◇ Do not make additional holes in the enclosure; this can damage the watertight seal or control components and void the warranty.
- ◇ Failure to follow the mounting guidelines will void the warranty.

Mounting the power supply enclosure

1. Select a location for the unit.
2. Remove the screws from the front cover and then gently lift it off.
3. Fasten the enclosure to a wall using four screws

Wiring the power supply

- ◆ Do not remove the ground plate.
- ◆ Use watertight strain reliefs or conduit connectors at all cable entry points; this will secure the ground plate to the enclosure.
- ◆ Connect the power supply as shown in the following diagrams.
- ◆ Do not remove the existing connectors from any of the terminals.



Finishing the installation

1. Make sure all wires are properly connected.
2. Switch on the power to the unit and then test the operation of the switches and loads.
3. Fasten the cover to the unit using the four screws.

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