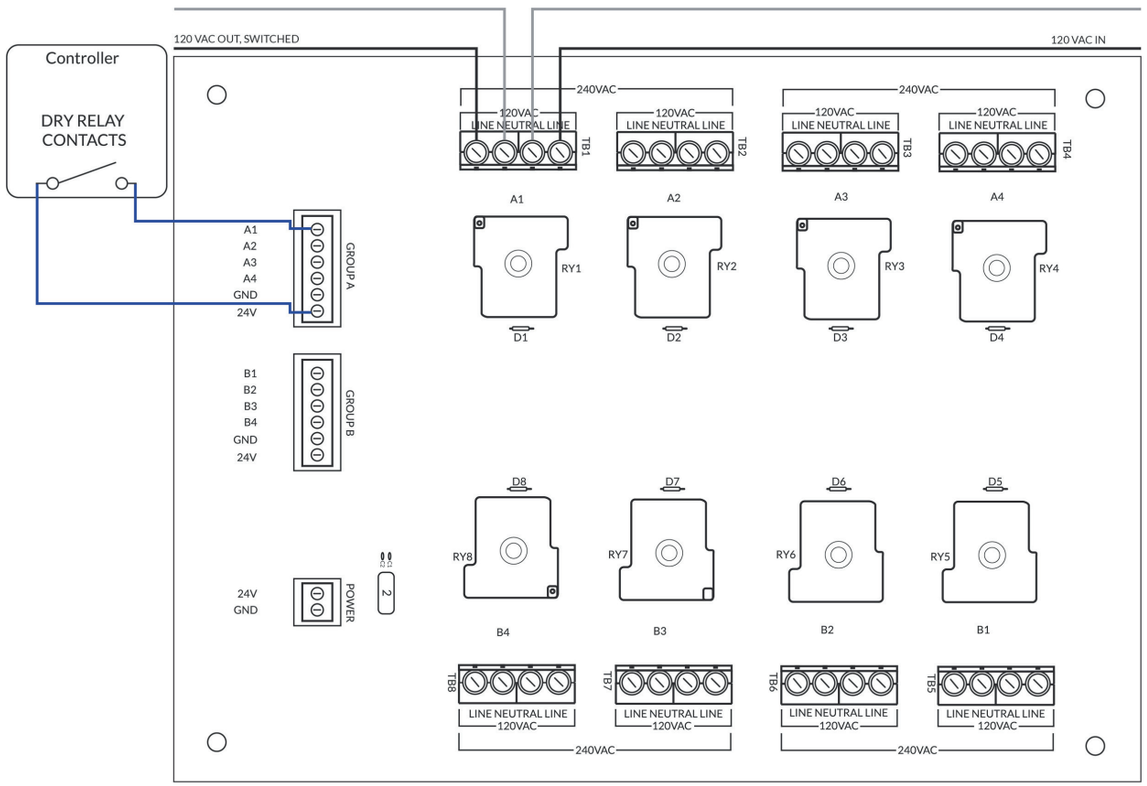
Specifications

Load Capacity Per Contactor	30A 240VAC
Switching Signal Voltage	24-32 VDC
Switching Signal Current	50 mA typical

All electrical connections must be made by a qualified, licensed electrician. All connections must be made in accordance with all state and local codes. The inside of the box housing the transformer has high voltage which can be dangerous.

Figure 3: For connection to a controller with dry relay contacts, to control a 120V AC accessory. This requires the optional 24V DC supply to be connected to the power jack at the bottom of the housing. This connection is fused by a automotive style fuse on the PC board.



42-ECO1150

Eight Contact Relay Box

Quick Start Guide

Scan the QR Code to visit our Knowledge Center, which features further resources.

Warranty Registration:
advancingalternatives.com/register

Visit Advancing Alternatives' YouTube Channel to Access Video Tutorials

IMPORTANT
For detailed instructions and technical support, visit advancingalternatives.com/knowledge-center

Safety Information:

SHOCK HAZARD Electric shock can kill. Touching live electrical parts can cause fatal shocks or severe burns.

WARNING All electrical connections must be made by a qualified, licensed electrician. All connections must be made in accordance with all state and local codes.

What's Included:

42-ECO1150

Cable Glands (x2)

5A Breaker*

Plug-In Relays (x2)

Mounting Brackets (x4)

Mounting screws (x4)

Images not to scale.

Tools & Materials Required:

- Screwdriver (#1)
- Wire crimper
- Drill with 7/8" bit (if using provided cable glands)
- Signal Wire
  - 18-22 AWG

AC power wire per electrical code.
18-22 AWG for relay coil connections.

PLEASE NOTE: Illustrations for example purposes only. Actual wiring and layout may vary. All wiring and grounding must be done by qualified personnel.

CAUTION: Equipment Damage
Do not expose the 42-ECO1150 to weather. Locate in a dry, protected area to prevent equipment damage.

Overview

The ECO1150 is a contactor box to be used as an interface between a controller and AC powered equipment. Eight contactors switch 30A 110 VAC circuits, or can be combined in pairs to switch four 30A 240 VAC circuits. The ECO1150 is compatible with Advancing Alternatives controllers or can be used with other systems providing a 24 VDC signal; it can also be configured to operate with dry relay contacts when used with an optional 24 VDC power supply.

Figure 1: For connection to a controller with a +24V DC output, to control a 120V AC accessory.

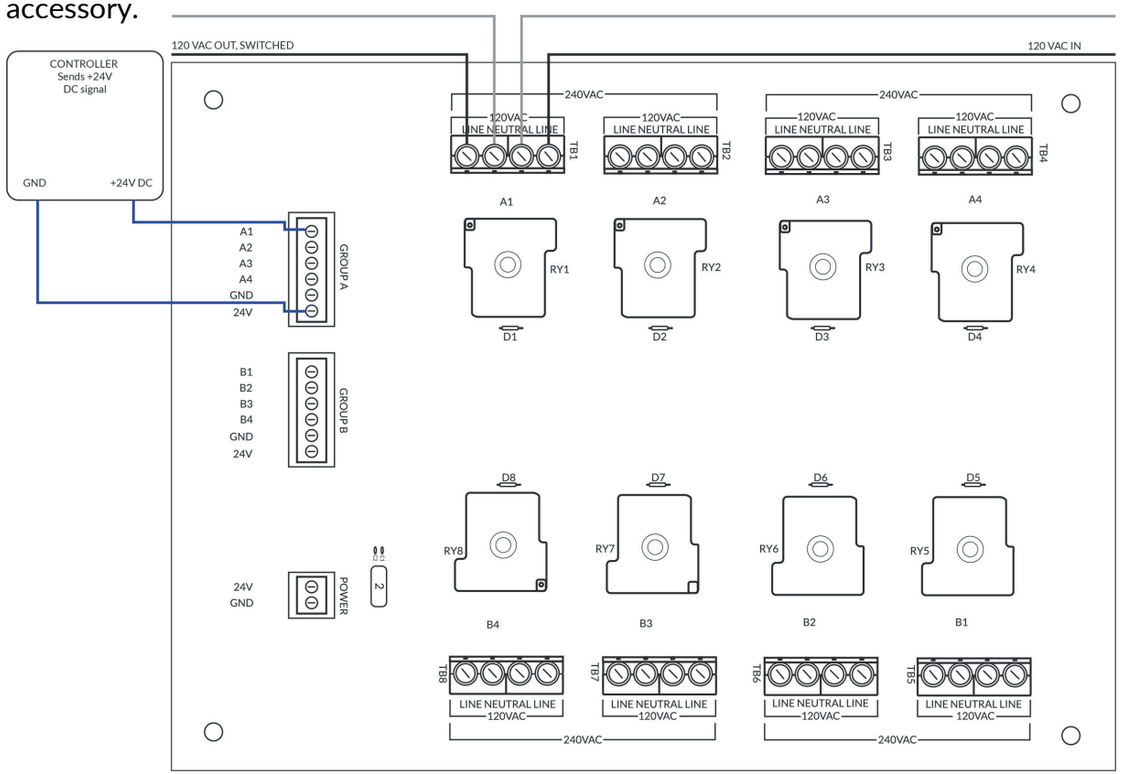


Figure 2: For connection to a controller with a +24V DC output, to control a 240V AC accessory. *Note the jumper, which is necessary to insure that both phases of the 240V are switched.