

# Relay (24v) Instructions

## Installation Instructions

The 24v relay comes with a four-wire harness.



- Red wire -- connect to 12 volts on your vehicle or vessel.
- White wire -- connect to the device harness corresponding control wire
  - green = control #1
  - brown = control #2
  - white = control #3
- Black wire -- connect to your power source (for instance, 12 volts or 24 volts on your vehicle or vessel)
- Blue wire -- connect to the device you wish to control

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## Wiring Example

**Be sure to use a qualified electrician for any high voltage wiring.**

If you would like to turn on your refrigerator a few hours before you arrive at your vehicle or vessel, it's easy to add a Relay to accomplish this. For this example, we will assume that your refrigerator is turned on and off by a 15-amp circuit breaker switch. We will also assume that you will be controlling this relay with Control #1 on your app.

We will be installing the relay contacts (black and blue) in parallel with the circuit breaker switch. This means that the refrigerator will be on when either the breaker switch is "on" or the relay is "on." The refrigerator will be off only when both the breaker switch and the relay are "off." In this example, since the refrigerator circuit is protected by the 15-amp circuit breaker in the switch, a 15-amp fuse will be installed in-line with the relay contacts.

1. Connect the RED WIRE from the relay harness to positive 24 volts on your vehicle or vessel.
2. Connect the WHITE WIRE from the relay harness to the green wire from the device harness.
3. Connect the BLACK WIRE from the relay harness to a 15-amp inline fuse.
4. Connect this inline fuse to the "source" side of the breaker switch.

*TIP: To determine which is the source side of the breaker, turn off the breaker and check each side of the breaker for voltage -- the one with voltage is the source side.*

5. Connect the BLUE WIRE from the relay harness to the other side of the breaker switch.
6. Try it out!

