



Dual 70 Amp Relay Center

Mounting Instructions

Installing the relay center inside the vehicle is highly recommended. Doing so will limit exposure to adverse environmental factors. Typical mounting locations include the glove compartment, under the dash, and in the trunk. Mount the unit as far from engine and exhaust heat as possible.

The unit's epoxy encapsulation makes it water resistant. If the relay center is not mounted inside the vehicle, select a site where direct water contact from road spray, car washing, etc. can be avoided.

Mounting holes on either side of the box are intended for mounting the relay center directly to a flat surface. Use the two self-drilling #8 screws provided to secure the relay center in a suitable location.

Wiring Instructions

Wiring diagrams are provided in the following illustrations:

- Figure 1 Power and Output Hookup
- Figure 2 Basic Positive (+12V) Activation
- Figure 3 Basic Ground Activation
- Figure 4 Basic ECU Ground Activation
- Figure 5 Basic ECU Positive (+12V) Activation

Soldering of connections is recommended.

Tighten the nuts on the output studs (10-32 thread) to 25 inch pounds and on the input studs (6-32 thread) to 8 inch pounds. Over tightening the nut can break the stud. This damage is not covered under warranty.

1. Run a wire from a fused power source to the stud labeled **BAT +** as depicted in **Figure 1**. The battery is a good source for this connection. This wire should be 10 gauge up to 6 gauge. Wire gauge should be appropriate to the maximum amperage that will be supplied by the relay center. A red ring terminal is provided for this connection. Tighten the nut to 25 inch pounds.

2. Examples for wiring inputs are provided in **Figures 2 through 5**. Wire for input connections must be a minimum of 22 gauge. Each input will require 12 volts and a ground to operate. This applies whether positive or negative activation is being used.

Each input stud is labeled with a number that corresponds to its output and a letter describing whether it is the positive or ground terminal for the input. For example, 1P and 1G are the positive and negative inputs for Relay 1. 1P is the positive (+12V) terminal and 1G is the ground terminal. Blue ring terminals for 18-22 gauge wire are provided for the input connections. Tighten the nuts to 8 inch pounds.

3. An example for wiring the outputs is provided in **Figure 1**. Yellow ring terminals for 10-12 gauge wire are provided for output connections. Tighten the nuts to 25 inch pounds.

Fuses are not provided with this unit; however, fusing the outputs is a good safety practice to prevent electrical fires due to shorted or overloaded wires. Fuse amperage should follow the accessory manufacturer's instructions and must not exceed 70 amps. The table below provides some general guidelines:

Standard Fuel Pump	10 – 15 amps	Large Fuel Pump	20 –30 amps
Single Electric Fan	15 – 20 amps	Dual Electric Fans	20 – 30 amps
Water Pump	10 – 15 amps	Line Lock	5 – 10 amps
Nitrous Kit (2 solenoids) – Cheater, Powershot, Big Shot styles			15 – 20 amps
Nitrous Kit (2 solenoids) – Super Big Shot style			35 – 40 amps
Nitrous Kit (4 solenoids) – Cheater style			25 – 30 amps
Nitrous Kit (4 solenoids) – Powershot, Big Shot, Pro Race styles			20 – 25 amps

If you have any questions or require technical support, please email Dave Reppert at daver@nitrousdaves.com or call 574-876-0823. When leaving a voicemail message, please include your name, number, and an appropriate time of day to reach you.

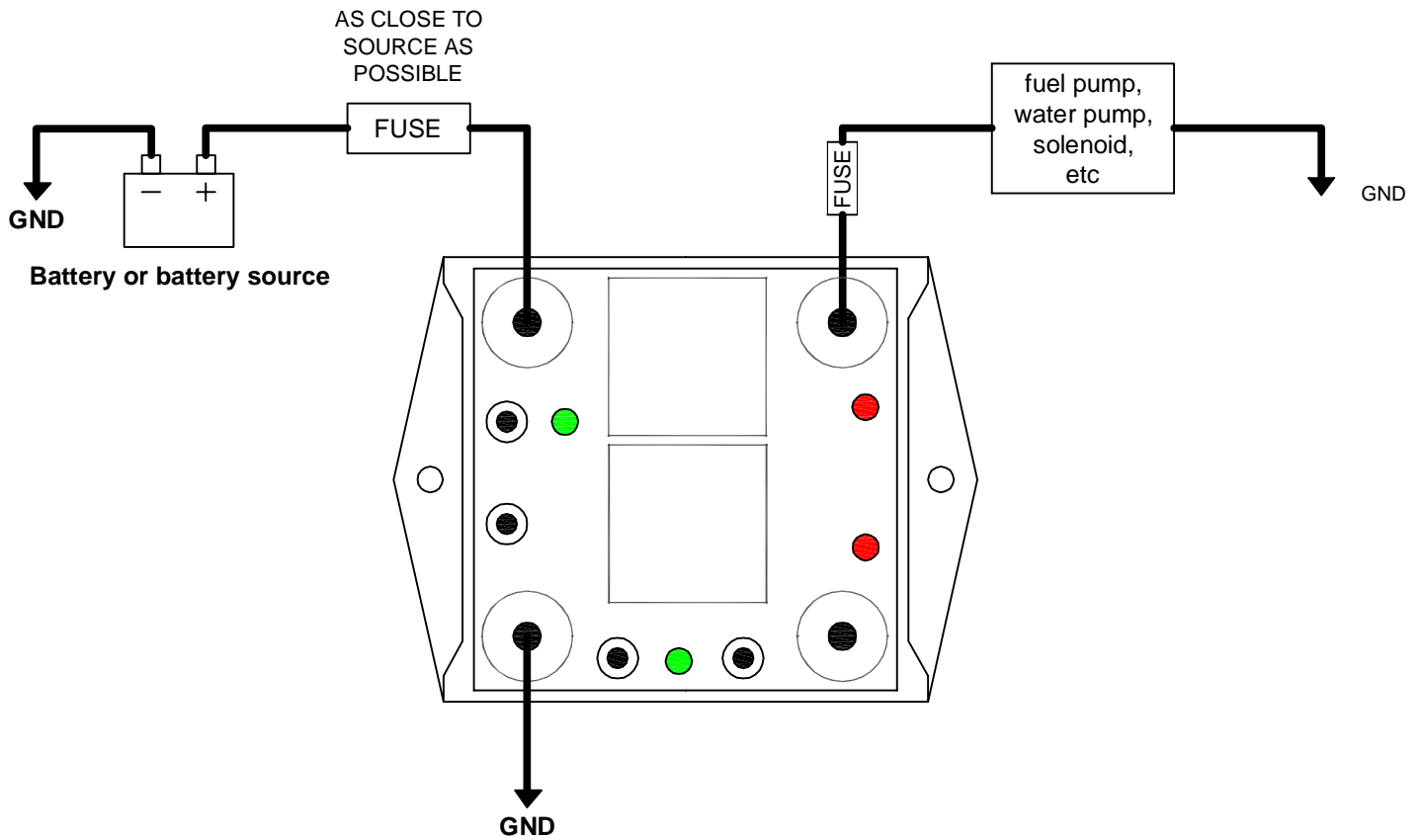


FIG. 1 Power and Output Hookup

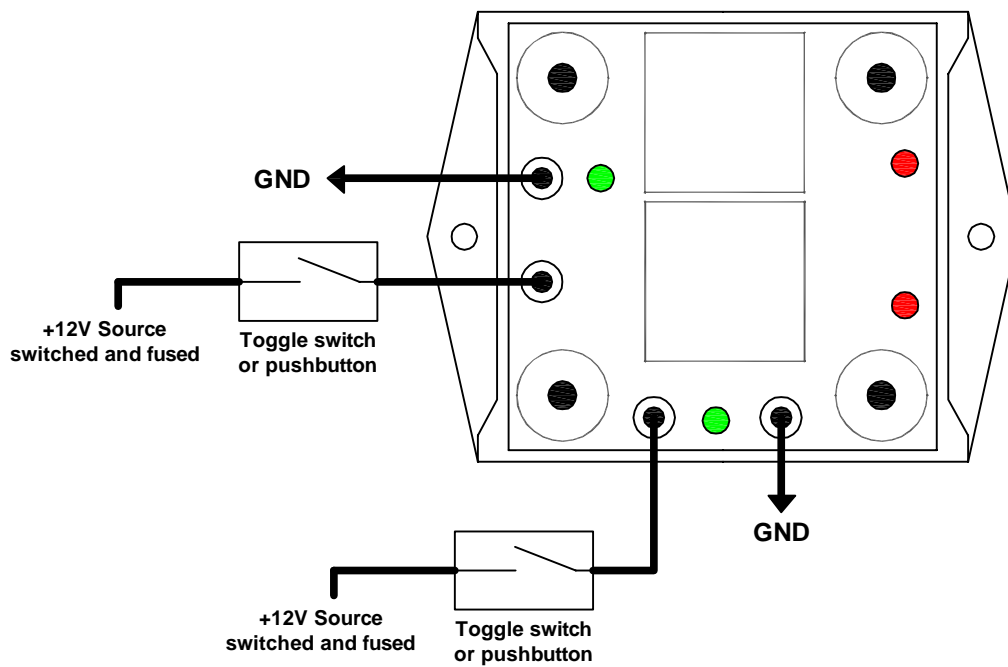


FIG. 2 Basic Positive Activation

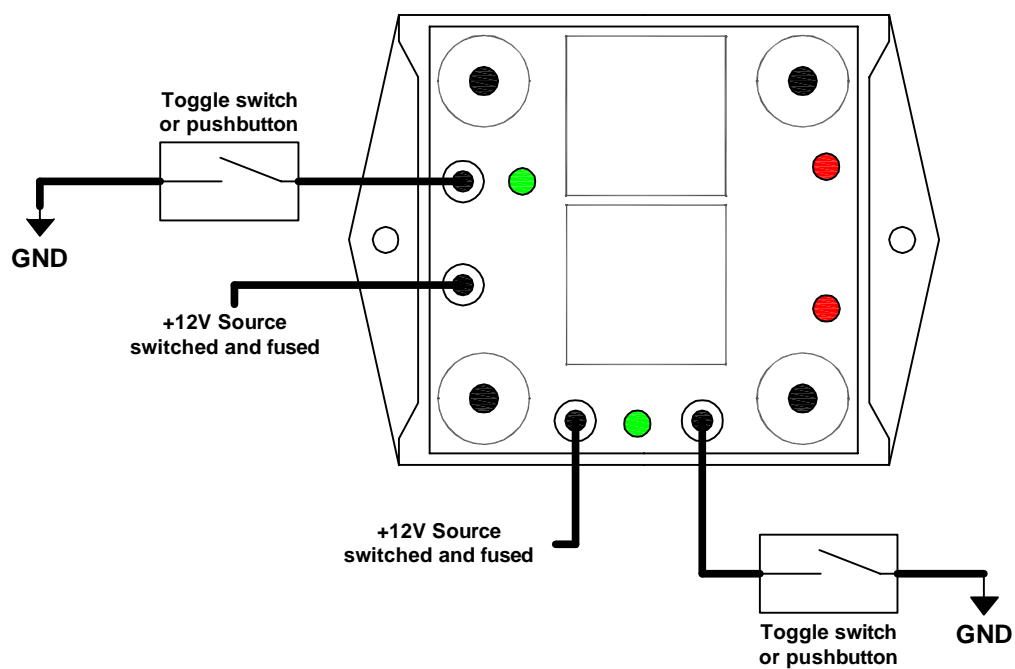


FIG. 3 Basic Ground Activation

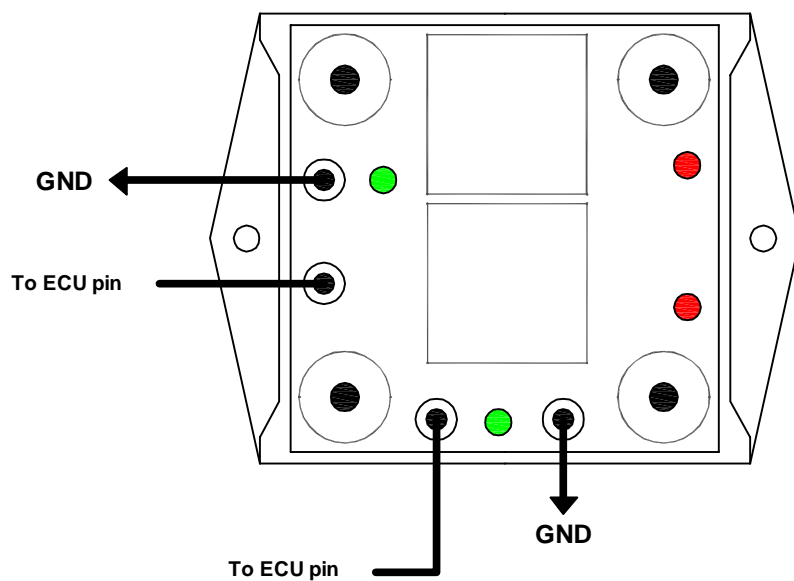
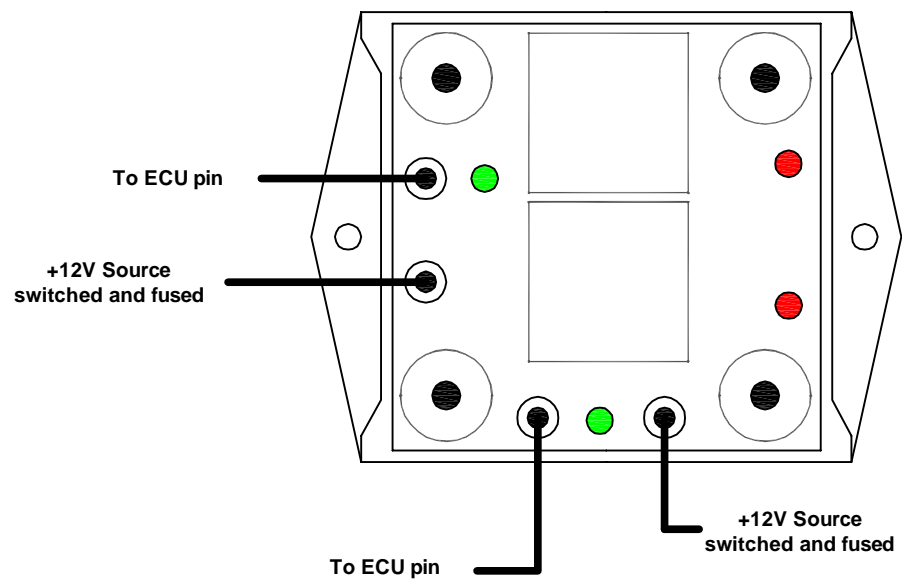


FIG. 4 Basic ECU Positive Activation



**FIG. 5 Basic ECU
Ground Activation**