



Power Control Box Installation and Operation Instructions

Model A9000 Six-Switch Power Control Center



WARNING!

Failure to install or use this product according to manufacturer's recommendations may result in property damage, serious bodily/personal injury, and/or death to you and those you are seeking to protect!



Do not install and/or operate this safety product unless you have read and understand the safety information contained in this manual.

1. Proper installation combined with operator training in the use, care, and maintenance of warning devices are essential to ensure the safety of emergency personnel and the public.
2. It is the responsibility of the vehicle operator to ensure daily that all features of this product work correctly. In use, the vehicle operator should ensure the projection of the warning signal is not blocked by vehicle components (i.e., open trunks or compartment doors), people, vehicles or other obstructions.
3. This equipment is intended for use by authorized personnel only. The user is responsible for understanding and obeying all laws regarding warning devices. Therefore, the user should check all applicable city, state, and federal laws and regulations. The manufacturer assumes no liability for any loss resulting from the use of this warning device.

Notice!! The switches in your Power Control Center are rated for 25 amp, 12 VDC operation. Any attempt to operate accessories requiring in excess of 25 amps for any circuit or 50 amps total current draw will result in switch failure and void the warranty on the Power Control Center. In addition, due to power supply surge, do not connect the power wire to more than one power source.

Introduction:

The A9000 Power Control Center is designed to switch six individual circuits of 25 amps or less, with the exception of switch 1, which is the far left switch on the face of the power control center. This switching circuit operates a 40-amp relay and is protected by a 40-amp automatic resetting circuit breaker. Any circuits controlling multiple rotating lights should be operated by this circuit only.

Specifications:

Six SPST Rocker Switches
Electrical Rating: 25 amps @ 12 VDC each circuit
50 amps total
36 switch identification labels
Backlit legends
Fuses: 5-25 Amp; 1-5 Amp

Installation:

The back light bulb is packaged separately inside the switch box. To install, remove the top of the control center, remove protective wrap from bulb and insert into the socket protruding from the terminal block.

An adjustable mounting bracket with hardware is included. Mount the control center in the desired location using the furnished hardware and/or the optional bail bracket.

Wiring:

Looking at the rear of the control center you will see eight terminal blocks. Reading right to left the terminal blocks should be referenced #1 through #8. Terminal block #1 (far right) is for the main power wire from the power source to the PCC. Terminal block #2 is for the ground wire from the ground source to the PCC. Terminal

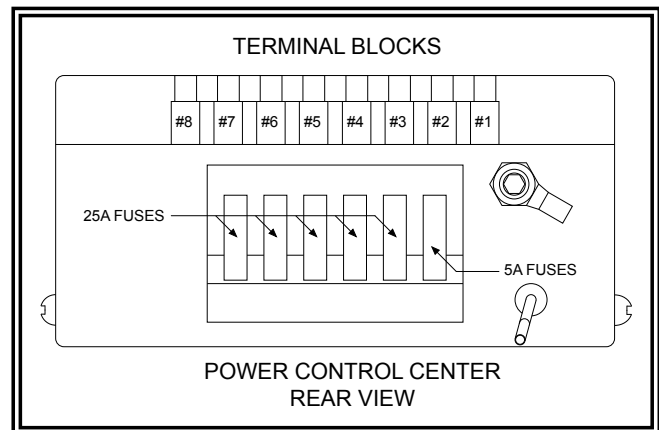


FIGURE 1

block #3 is for the circuit/switch #1, terminal block #4 is for circuit/switch #2, etc. See FIGURE 1.

Strip a ¼" of insulation from all wires to be connected to the PCC terminal block. Determine the switching order of your accessories and insert the respective wires in the terminal block slots and tighten the terminal block screws to secure the wires. Any accessory requiring more than 25 amps but less than 40 amps should be installed in the terminal block #3 which is controlled by switch #1. See wiring diagram, FIGURE 2, next page.

Connect the main power and ground wires only after the individual accessory wires have been installed in the PCC terminal block. It is recommended that the power and ground wires be 10 gauge and run directly from the battery to the PCC.

The ground wire from your lightbar harness and any other accessory ground wires may be attached to the ground lug on the rear of the control center.

The 18 gauge wire exiting the rear of the control center is for powering the internal lamp for label illumination. Connect this wire to an ignition-controlled power source. Do not connect this wire to a constant power source.

Furnished with the control center are 36 switch identification labels. Select the required labels and install in the slots above the respective switch. See FIGURE 3.

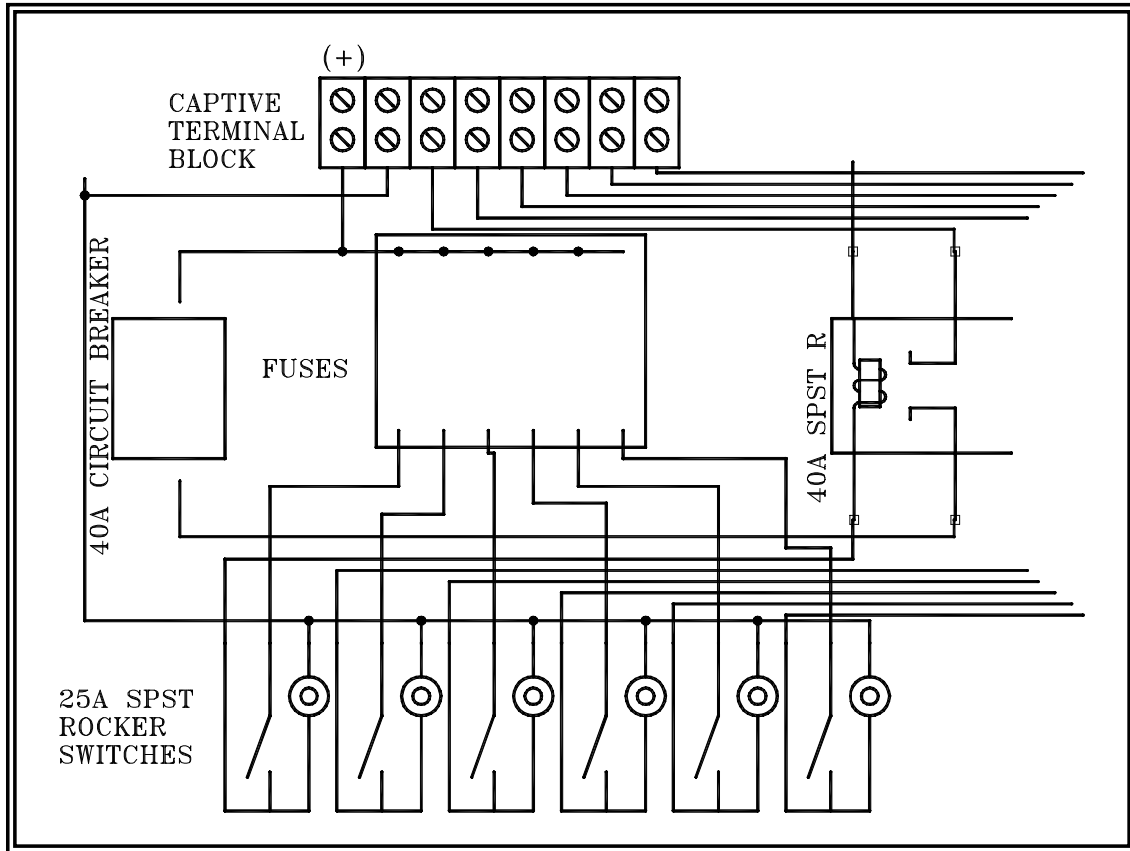


FIGURE 2

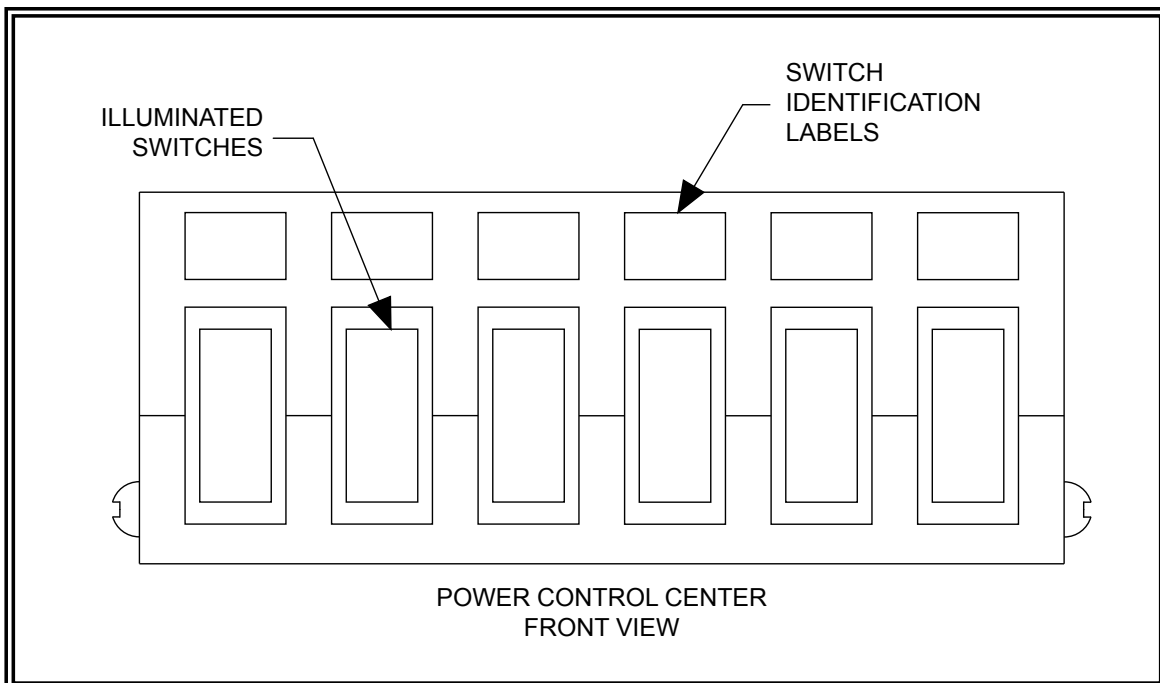


FIGURE 3