

# WHELEN<sup>®</sup>

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## Installation Guide PCC6R Switch Box

### Safety First

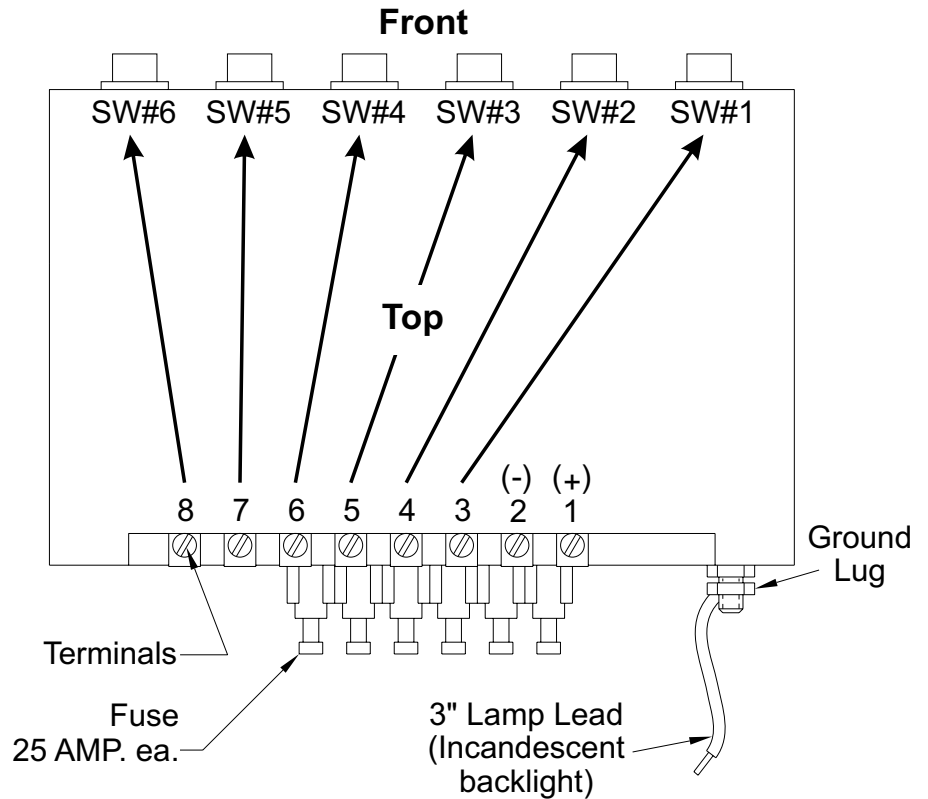
This document provides all the necessary information to allow your Whelen product to be properly and safely installed. Before beginning the installation and/or operation of your new product, the installation technician and operator must read this manual completely. Important information is contained herein that could prevent serious injury or damage.

- **Proper installation of this product requires the installer to have a good understanding of automotive electronics, systems and procedures.**
- **If mounting this product requires drilling holes, the installer MUST be sure that no vehicle components or other vital parts could be damaged by the drilling process. Check both sides of the mounting surface before drilling begins. Also de-burr any holes and remove any metal shards or remnants. Install grommets into all wire passage holes.**
- **If this product is mounted with tape or Velcro™, clean the mounting surface with a 50/50 mix of isopropyl alcohol and water and dry thoroughly.**
- **Do not install this product or route any wires in the deployment area of your air bag. Equipment mounted or located in the air bag deployment area will damage or reduce the effectiveness of the air bag, or become a projectile that could cause serious personal injury or death. Refer to your vehicle owners manual for the air bag deployment area. The User/Installer assumes full responsibility to determine proper mounting location, based on providing ultimate safety to all passengers inside the vehicle.**
- **For this product to operate at optimum efficiency, a good electrical connection to chassis ground must be made. The recommended procedure requires the product ground wire to be connected directly to the NEGATIVE (-) battery post.**
- **If this product uses a remote device to activate or control this product, make sure that this control is located in an area that allows both the vehicle and the control to be operated safely in any driving condition.**
- **Do not attempt to activate or control this device in a hazardous driving situation.**
- **It is recommended that these instructions be stored in a safe place and referred to when performing maintenance and/or reinstallation of this product.**
- **FAILURE TO FOLLOW THESE SAFETY PRECAUTIONS AND INSTRUCTIONS COULD RESULT IN DAMAGE TO THE PRODUCT OR VEHICLE AND/OR SERIOUS INJURY TO YOU AND YOUR PASSENGERS!**

**WARNING! The switches in your power control center are rated for 25 amp, 12VDC operation. Any attempt to operate accessories requiring in excess of 25 amps 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.**

Your 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 PCC. This switching circuit operates a 40 amp relay and is protected by a 40 amp automatic resetting circuit breaker. Accessories that have multiple rotating lights should be operated by this circuit only.

Looking at the rear of the PCC you will see eight terminal blocks. Reading right to left the terminal blocks should be referenced #1 through #8. Terminal block #1 is for the main power wire from the power source to the PCC. Terminal block #3 is for circuit/switch #1, terminal block #4 is for circuit/switch #2, etc. It is recommended that the power and ground wires be 10-gauge wire and run directly from the battery to the PCC. Fuse the power (positive) wire using an appropriately sized fuse (customer supplied). **NOTE: All customer supplied wires that connect to the positive terminal of the battery must be sized to supply at least 125% of the maximum operating current and fused at the battery to carry that load.** Connect the main power and ground wires only after the individual accessory wires have been installed in the PCC terminal block.



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. Remember that any multiple rotator bar light or accessory requiring more than 25 amps and less than 40 amps should be installed in the terminal block #3 which is controlled by switch #1.

The ground wire from your bar light harness and any other accessory ground wires may be attached to the ground lug on the rear of the PCC. The 18-gauge wire exiting the rear of the PCC is for powering the internal lamp for label illumination. Connect this wire to an ignition-controlled power source. Do not connect to a constant power source.

Furnished with the PCC are 72 switch identification labels. Select the required labels and install in the slots above the respective switch.

Mount the PCC in the desired location using the furnished bolts and/or the optional bail bracket.

THE BACKLIGHT BULB IS PACKAGED SEPARATELY INSIDE THE SWITCH BOX. TO INSTALL, REMOVE THE TOP, REMOVE PROTECTIVE WRAP FROM BULB AND INSERT INTO THE SOCKET PROTRUDING FROM THE TERMINAL BLOCK.

