

## WHELEN<sup>®</sup> ENGINEERING COMPANY INC.

51 Winthrop Road  
 Chester, Connecticut 06412-0684  
 Phone: (860) 526-9504  
 Fax: (860) 526-4078  
 Internet: [www.whelen.com](http://www.whelen.com)  
 Sales e-mail: [autosale@whelen.com](mailto:autosale@whelen.com)  
 Canadian Sales e-mail: [autocan@whelen.com](mailto:autocan@whelen.com)  
 Customer Service e-mail: [custserv@whelen.com](mailto:custserv@whelen.com)

### Installation Guide: PCC10 Power Control Center

**DANGER!** Sirens produces extremely loud emergency warning tones! Exposure to these tones without proper and adequate hearing protection, could cause ear damage and/or hearing loss! The Occupational Safety & Health Administration ([www.osha.gov](http://www.osha.gov)) provides information necessary to determine safe exposure times in Occupational Noise Exposure Section 1910.95. Until you have determined the safe exposure times for your specific application, operators and anyone else in the immediate vicinity should be required to wear an approved hearing protection device. **FAILURE TO FOLLOW THIS RECOMMENDATION COULD CAUSE HEARING LOSS!**

#### 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 manual states that this product may be mounted with suction cups, magnets, tape or Velcro<sup>®</sup>, 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 owner's 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 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!**

**ACTIVATION OF THIS SIREN MAY DAMAGE UNPROTECTED EARS!**



#### CAUTION

Loud siren noise can cause hearing damage and/or loss. Refer to OSHA Section 1910.95 prior to putting ANY siren into service!

**For warranty information regarding this product, visit [www.whelen.com/warranty](http://www.whelen.com/warranty)**

**WARNING! These switches are suitable for 20 amp, 12 volt DC applications only. Any attempt to load these switches above 20 amps will result in switch failure. Due to power supply surge, running more than one power supply per switch may result in switch failure.**

The control center is designed for very simple installation. The only tools required are a pocket screwdriver and a combination wire cutter/stripper/crimper tool.

For standard switching, run a 10 gauge positive and negative feed wire from the battery to the control center. Strip a quarter inch of insulation from both wires. Insert the positive wire into terminal block position 1. Tighten the terminal block lock screw firmly down on the wire. Insert the negative wire into terminal block position 2. Tighten the terminal block lock screw firmly down on the wire.

Strip a quarter inch of insulation from all the negative wires from the items to be attached to the control center. Crimp number 10 ring terminals to these wires. The negative wires can then be stacked on the number ten ground stud on the back of the box. Tighten the supplied number ten nut firmly down on the ground wires.

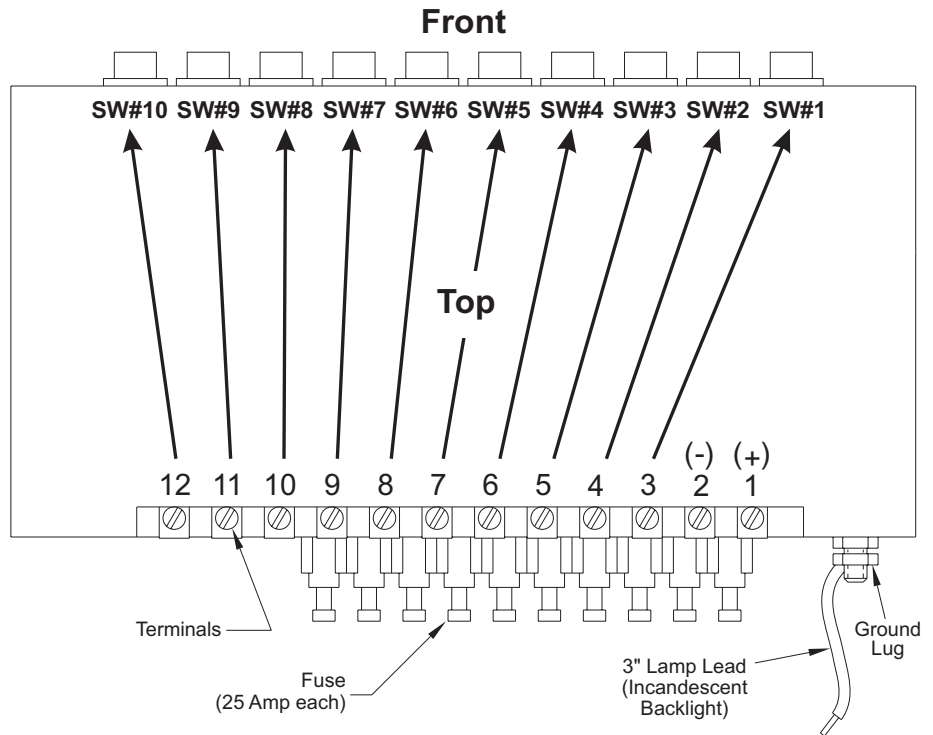
Strip a quarter inch of insulation from all the positive feed wires on the items to be attached to the power control center. Looking at the supplied diagram, terminal block 3 is fed by switch 1, position 4 by switch 2, position 5 by switch 3, position 6 by switch 4, position 7 by switch 5, position 8 by switch 6, position 9 by switch 7, position 10 by switch 8, position 11 by switch 9 and position 12 by switch 10. Choose the proper switch and terminal block position for each item to be connected. Place the wires in the terminal block positions and tighten the block lock screws firmly down on the wires.

The black wire exiting the back of the box is the power wire for the inside label light. Attach an ignition or positive wire to this wire. To prevent battery drain, be sure this light comes on only when the ignition is turned on.

Take the supplied label kits and determine which label describes the function of switch 1. Peel the label off the backing and place it in the label hole above switch 1. Press it lightly into place. Continue this operation for each switch.

Mount the box with the supplied bracket or to an existing bracket and the installation is complete.

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.



<b>PCC Specifications</b>	
•	<b>14 Gauge steel construction</b>
•	<b>Black matte powder paint</b>
•	<b>Back lighted identification labels</b>
•	<b>Single Pole/Single Throw (lit when on)</b>
•	<b>12 volt/20 amp switches</b>
•	<b>Primary wire - 10 Gauge</b>
•	<b>Secondary wire - 14 Gauge</b>
•	<b>Label light wire - 18 Gauge</b>
•	<b>Screw lock terminal block wire connections</b>