

WHELEN[®]

ENGINEERING COMPANY INC.

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

Installation Guide: Park-Kill Module Model WPKM1

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 the 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®, 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 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.**
- **If this product contains strobe light(s), halogen light(s) or high-intensity LEDs, do not stare directly into these lights at a close distance. Momentary blindness and/or eye damage could result.**
- **If this product contains strobe light(s), halogen light(s) or high-intensity LEDs, use only soap and water to clean the lamp lens. Use of other chemicals could result in premature lens cracking (crazing) and discoloration. Lenses in this condition have significantly reduced effectiveness and should be replaced immediately. Inspect and operate this product regularly to confirm its proper operation and mounting condition. Do not use a pressure washer to clean this product.**
- **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!**

For warranty information regarding this product, visit www.whelen.com/warranty

WARNING!

DISCONNECTING THE VEHICLE BRAKE LAMP CIRCUIT USING ANY SIRENS WITH RELAY OUTPUTS OR SWITCH CONTROLLERS COULD CAUSE VEHICLE OR PROPERTY DAMAGE, SERIOUS INJURY OR EVEN DEATH.

DISABLING THIS CIRCUIT IS A VIOLATION OF THE FEDERAL MOTOR VEHICLE SAFETY STANDARD FOR THE THIRD BRAKE LIGHT, AS WELL AS REAR BRAKE LIGHTS.

FUNCTIONS THAT BLACK OUT THE REAR BRAKE LIGHTS (SOMETIMES CALLED “BRAKE LIGHT CUT OUT”) MAY INTERFERE WITH THE BRAKE SHIFT LOCK MECHANISM, AND CAUSE THE VEHICLE TO MOVE UNEXPECTEDLY AND DANGEROUSLY.

DISCONNECTING THE BRAKE LIGHTS IN ANY WAY IS AT YOUR OWN RISK AND IS NOT RECOMMENDED BY WHELEN.

IMPORTANT! Installation of this equipment may effect the vehicle warranty. Whelen Engineering recommends that the vehicle manufacturer be contacted to learn what effect, if any, this product will have on warranty considerations.

Introduction

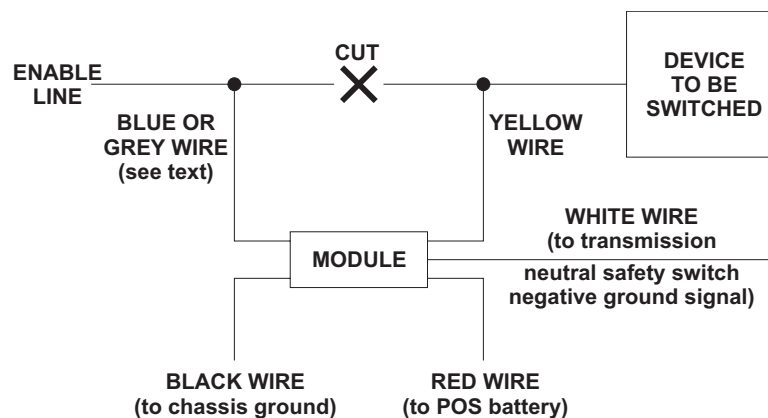
Proper installation of this unit will allow operator of the vehicle to activate or deactivate a desired emergency response device, such as a siren, via the transmission park neutral safety switch. There are several ways to install this module, depending upon how and what the operator wants to activate or deactivate when the transmission is in park. The following table indicates the state of each of the wires as determined by the vehicle transmission.

	<i>WHITE</i>	<i>GREY</i>	<i>BLUE</i>	<i>YELLOW</i>
<i>Forward or Reverse Gear</i>	Floating	Open	Closed	Closed
<i>Park or Neutral</i>	Grounded	Closed	Open	Closed

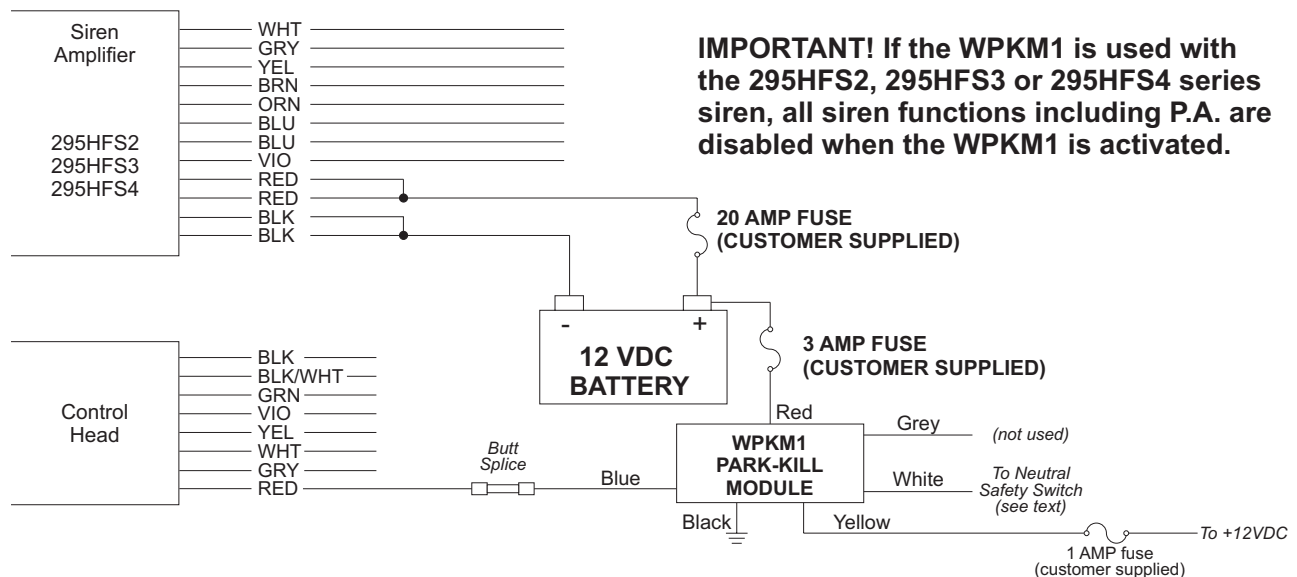
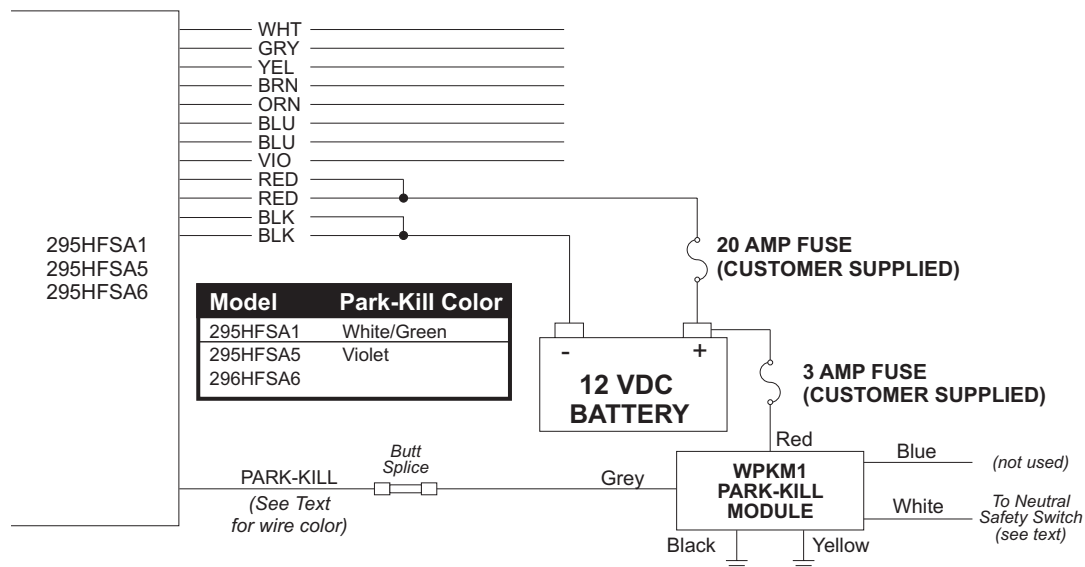
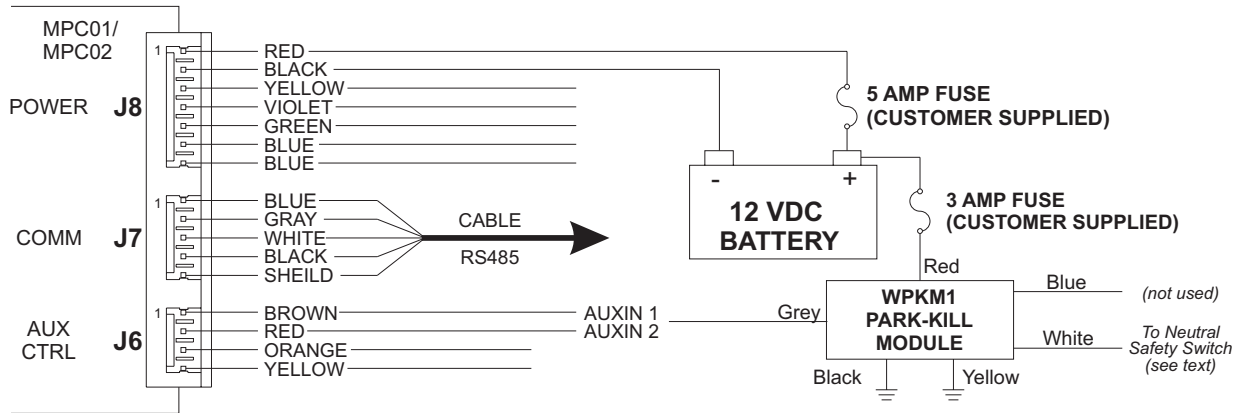
Installation

1. Disconnect the POSITIVE lead from the vehicle battery.
2. Connect the RED wire to +12VDC and fuse at 3 amps (customer supplied).
3. Connect the BLACK wire to chassis ground.
4. Connect the WHITE wire to the vehicle's transmission park neutral safety switch ground signal.
5. Determine which wire is the enable wire for the device to be switched. Depending on the device, this could be the POS, the NEG wire or the control wire.
6. Cut the device's enable wire. Connect the YELLOW wire to the enable wire coming from the device. NOTE: This relay has a maximum switching current of 30 amps.
7. The remaining connection is determined by how the user wishes the device to function when the transmission is shifted into park:
 - If the user wants the device to be inactive when the vehicle is in park, connect the BLUE wire to the remaining end of the device's enable wire.
 - If the user wants the device to be active when the vehicle is in park, connect the GREY wire to the remaining end of the device's enable wire.
8. Reconnect the POSITIVE lead to the vehicle battery and confirm proper operation of the device.

For information on the installation of the WPKM1 with specific Whelen Engineering products, please refer to page 3.



The following wiring diagrams are for use when the WPKM1 is installed with either the MPC01 & MPC02 Multi-Purpose Controllers, or the 295HFS Series siren amplifiers



IMPORTANT! If the WPKM1 is used with the 295HFS2, 295HFS3 or 295HFS4 series siren, all siren functions including P.A. are disabled when the WPKM1 is activated.