

- 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.
 - Whelen Engineering requires the use of waterproof butt splices and/or connectors if that connector could be exposed to moisture.
 - Any holes, either created or utilized by this product, should be made both air- and watertight using a sealant recommended by your vehicle manufacturer.
 - Failure to use specified installation parts and/or hardware will void the product warranty!
 - 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.
 - 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.
 - This product contains either strobe light(s), halogen light(s), high-intensity LEDs or a combination of these lights. Do not stare directly into these lights. Momentary blindness and/or eye damage could result.
 - Use only soap and water to clean the outer 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.
 - WARNING!** 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. **DO NOT USE CIRCUIT BREAKERS WITH THIS PRODUCT!**
 - FAILURE TO FOLLOW THESE PRECAUTIONS AND INSTRUCTIONS COULD RESULT IN DAMAGE TO THE PRODUCT OR VEHICLE AND/OR SERIOUS INJURY TO YOU AND YOUR PASSENGERS!**

Installation: (Refer to the diagrams shown for mounting measurements.)

IMPORTANT: Make sure the lighthead will not interfere with existing equipment and be aware of any items on the opposite side of the mounting surface.

- Using a hole saw, cut a 1" hole (Fig.1) into the vehicle, and de-burr the hole.
- Fit the grommet into the mounting surface.
- Route the cables to their designated controller.

Note: This lighthead is steady only and requires an external flasher.

- Secure the light head into the vehicle by snapping it into the grommet (Fig. 3).

Note: For proper fit, ensure that the arrows on both the lens and grommet are pointing in the upwards direction (Fig. 2).

Wiring: (Note: Wires are 22 AWG. All switches and fuses are customer supplied. External flasher is sold separately)

Ground (BLK) - Extend BLK wire to Chassis Ground.

Color 1 (RED) - Extend this wire to external flasher (+10-30VDC). Fuse at 3AMPS

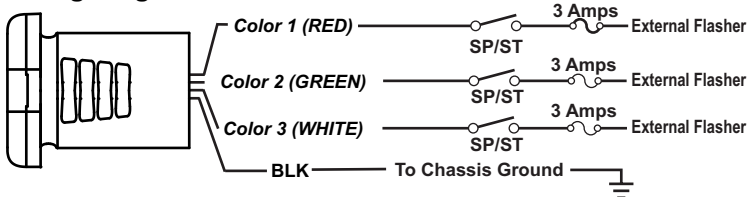
Color 2 (GREEN) - Extend this wire to external flasher (+10-30VDC). Fuse at 3AMPS.

Color 3 (WHITE) - Extend this wire to external flasher (+10-30VDC). Fuse at 3AMPS.

**Override Operation
With One/Two/Three Colors Active**

Color 1	Color 2	Color 3	Active Color
Active	Not Active	Not Active	Color 1
X	Active	Not Active	Color 2
X	X	Active	Color 3

Wiring Diagram:



Note: See Model Color Chart

Fig. 1

Mounting Dimensions

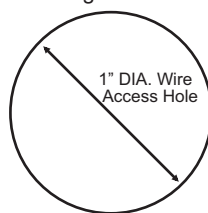


Fig. 2

Top

Top

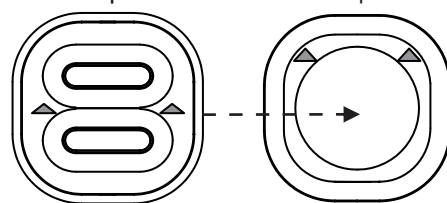
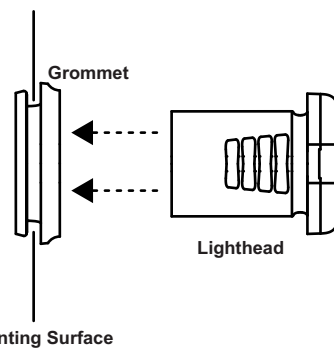


Fig. 3



Model Color Chart:

Model	Color 1	Color 2	Color 3
Blu/Amb/Wht	Blue	Amber	White
Red/Grn/Wht	Red	Green	White
Red/Blu/Amb	Red	Blue	Amber
Red/Blu/Wht	Red	Blue	White
Blu/Amb/Grn	Blue	Amber	Green
Red/Amb/Grn	Red	Amber	Green
Red/Amb/Wht	Red	Amber	White
Grn/Amb/Wht	Green	Amber	White
Blu/Grn/Wht	Blue	Green	White
Red/Blu/Grn	Red	Blue	Green
Blu/Wht	Blue	White	N/A
Red/Wht	Red	White	N/A
Red/Grn	Red	Green	N/A
Red/Blu	Red	Blue	N/A
Grn/Amb	Green	Amber	N/A
Blu/Amb	Blue	Amber	N/A
Red/Amb	Red	Amber	N/A
Amb/Wht	Amber	White	N/A
Blu/Grn	Blue	Green	N/A