

Safety First

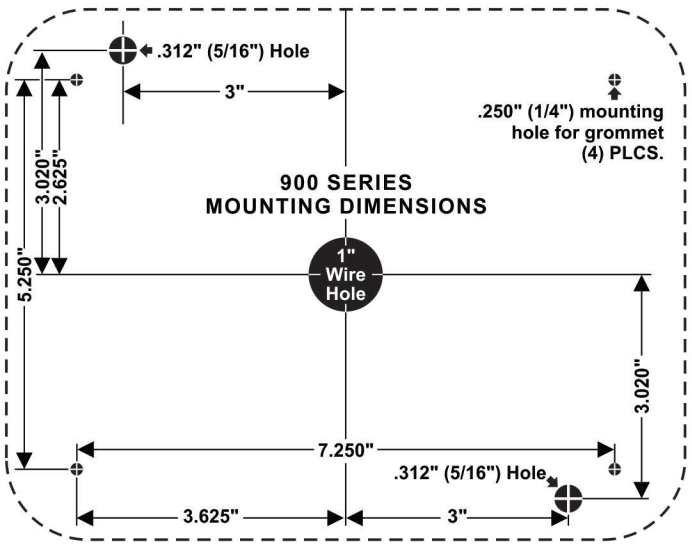
This document provides all the necessary information to allow your Whelen product to be properly and safely installed. Before beginning the installation and/or operation of your new product, the installation technician and operator must read this manual completely. Important information is contained 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®, 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.
- 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:

IMPORTANT NOTICE! This product has been designed for improved visibility. Prior to installing this product on any vehicle, check you state motor vehicle codes to confirm that this product complies with any and all state statutes.

1. Using the dimensions shown, drill two, 5/16" diameter vent tube holes and the 1" wire hole into the mounting surface. **Make sure lighthead will not interfere with existing equipment or any items on the opposite side of the mounting surface.**
2. Place the lighthead into position and mark off the 4 mounting holes. Using a drill bit sized for a #6 sheet metal screw (and the thickness of the mounting surface), drill the 4 mounting holes.
3. Using appropriately sized wires (min. 18 AWG), extend the wires to their connections. Fuse the (+) 10-30V connections at 3 amps and test the lighthead for proper operation. Install the flange grommet and secure the lighthead to the vehicle using the four #6 x 1-1/2" sheet metal screws.



Wiring:

B/T/T Model

Connect YEL wire to (+) 10-30V output wire of brake light circuit.
Connect BRN wire to (+) 10-30V output wire of the taillight circuit.
Connect WHT wire to GROUND.

Turn Signal Model

Connect ORG or WHT/ORG wire to (+)10-30V output wire of the turn signal circuit.
Connect BLK wire to GROUND.
Connect WHT/VIO wire to to a momentary switch and extend the wire to (+)10-30V. Fuse wire @ 1 Amp.

NOTE: Connecting the ORG wire will put the Turn Signal in front intensity when activated and connecting the WHT/ORG wire will put the Turn Signal in rear intensity when activated. Do not connect both wires at once or the lighthead will not function.

WHT/VIO - Scan-Lock™ Pattern Selection:

This feature allows the user to select from the available patterns. Lighthead must be on in order for Scan-Lock™ to work. Momentarily apply (+) 10-30V to the WHT/VIO wire to change patterns:

TURN SIGNAL Model

1. Steady On (Turn Signal)
2. Sequence (120 FPM) to Solid
3. Sequence (80 FPM) to Solid
4. Sequence (Fast) to Solid - Steady On
5. Sequence (Slow) to Solid - Steady On
6. Steady On (Solid)

B/T/T

3 POS DEUTSCH SOCKET
POS. A - BROWN
POS. B - YELLOW
POS. C - WHITE

AMP 3 POS PIN
POS 1 - BROWN
POS 2 - YELLOW
POS 3 - WHITE

TURN SIGNAL
3 POS DEUTSCH SOCKET

POS. A - WHT/ORG
POS. B - ORANGE
POS. C - BLACK
CAP - WHT/VIO
AMP 3 POS PIN
POS 1 - WHT/ORG
POS 2 - ORANGE
POS 3 - BLACK
CAP - WHT/VIO

WIRING DIAGRAM

IMPORTANT! Ensure that B/T/T and Turn Signal Lightheads are fused at 3 AMPS either through OEM fusing or customer supplied fuse.

