



3900 Central Parkway  
Hudsonville, MI 49426  
toll free 800.338.7337  
office 616.896.7100  
techsupport@soundoffsignal.com  
www.soundoffsignal.com

### Self-Contained Traffic Master Warning Bar

Power: 10-30Vdc  
Max Current Draw: 2.2 Amps  
Reverse Polarity Protection: YES  
Transient Protection: YES  
Temperature: -30degC to +60degC

#### Installation and Mounting

**General:**  
All devices should be mounted in accordance with the manufacturer's instructions and securely fastened to the vehicle elements of sufficient strength to withstand the forces applied to the device.

**Wiring:**

#### NOTE! USE AUTOMOTIVE ATO FUSES ONLY

- Power through 5 Amp ATO fuses which should be located as close to the vehicle power takeoff points as possible.
- Ground terminations should only be made to the substantial chassis components directly to the vehicle battery.
- Do no use insulation displacement connectors.
- Route wiring using grommets and sealant when passing through compartment walls.

#### Mounting

1. Using a flat head screw driver, disconnect the 9 wires that run from the bar to the control box from the terminal block. Take note of their terminal block locations for future reference.
2. Install mounting brackets to both ends of the lightbar by uninstalling the two screws on either side of the light. Remove and throw away plastic washers before re-installing screws with metal brackets. See Figure 1 for details

3. Prior to drilling or mounting, consideration should be given to cable location and light placement. The cable should exit the end cap on the driver's side unless otherwise specified. Using the light as a template, mark the location of the (4) mounting holes on either end of the light and the wire exit location.

4. Drill a 1 1/4" hole for the wire entry to the vehicle. There is a grommet provided with the installation kit that should be placed between mounting surface and light to seal wire entry hole into vehicle.

5. Drill (4) appropriately sized mounting holes for installer supplied mounting screws.

6. Using installer supplied screws, attached the light to the vehicle.

7. Route control cable to appropriate location for mounting external control box.

12. Mount Assembled control box in desired location using installer supplied screws.

13. Route the wires that come out of the external control box to your user supplied switching location.

# SELF-CONTAINED LED TRAFFIC MASTER WITH CLEAR LENSES AND FLUSH MOUNTING OPTION

DE2-AEBTMLEDLB1

**WARNING:** Warning devices are strictly regulated and governed by Federal, State and Municipal ordinances. These devices shall be used ONLY on approved vehicles. It is the sole responsibility of the user of these devices to ensure compliance.

#### Control Wires and Function

RED: +10-30Vdc  
BLACK: Ground  
PINK: FLASH MODE #2 (WARNING)  
BLUE: Apply Power to activate SOLID LEFT ARROW  
GREEN: Apply Power to activate SOLID RIGHT ARROW  
YELLOW: Apply Power to activate FLASH MODE #1 (WARNING)  
BROWN: Apply Power to activate SOLID CENTER OUT