

Installation and Operation Instructions

LED Beacons



Maintenance-free LED Beacons feature the latest LEDs and a Pulse8 flash pattern, producing a warning signal ideally suited to industrial applications. This cost effective unit has a wide operating range of 12-80V, making it the perfect light for use on electric vehicles.

WARNING!

Failure to install or use this product according to manufacturer's recommendations may result in property damage, serious injury, and/or death to those you are seeking to protect!

Do not install and/or operate this safety product unless you have read and understand the safety information contained

1. Proper installation combined with operator training in the use, care, and maintenance of emergency warning devices are essential to ensure the safety of you and those you are seeking to protect.
2. Exercise caution when working with live electrical connections.
3. This product must be properly grounded. Inadequate grounding and/or shorting of electrical connections can cause high current arcing, which can cause personal injury and/or severe vehicle damage, including fire.
4. Proper placement and installation are vital to the performance of this warning device. Install this product so that output performance of the system is maximized and the controls are placed within convenient reach of the operator so that s/he can operate the system without losing eye contact with the roadway.
5. Do not install this product or route any wires in the deployment area of an air bag. Equipment mounted or located in an air bag deployment area may reduce the effectiveness of the air bag or become a projectile that could cause serious personal injury or death. Refer to the vehicle owner's manual for the air bag deployment area. It is the responsibility of the user/operator to determine a suitable mounting location ensuring the safety of all passengers inside the vehicle particularly avoiding areas of potential head impact.
6. It is the responsibility of the vehicle operator to ensure during use that all features of this product work correctly. In use, the vehicle operator should ensure the projection of the warning signal is not blocked by vehicle components (i.e., open trunks or compartment doors), people, vehicles or other obstructions.
7. The use of this or any other warning device does not ensure all drivers can or will observe or react to a warning signal. Never take the right-of-way for granted. It is your responsibility to be sure you can proceed safely before entering an intersection, driving against traffic, responding at a high rate of speed, or walking on or around traffic lanes.
8. This equipment is intended for use by authorized personnel only. The user is responsible for understanding and obeying all laws regarding warning signal devices. Therefore, the user should check all applicable city, state, and federal laws and regulations. The manufacturer assumes no liability for any loss resulting from the use of this warning device.

Specifications:

Size: 3.8"(D) x 2.8"(W) x 4.9"(H)
Weight: 0.8 lb.
Current draw: 0.5 Amps max. (@+12.8VDC)

Flush Mount:

Locate the unit in the desired position on a flat mounting surface, and using the base as a template, mark the two mounting hole locations. Drill the holes using a 7/32" (0.219") drill size. Drill a third hole, exterior to the base to serve as a wire access hole. Mount the unit using #10 hardware.

Installation & Mounting:

Pipe Mount:

Carefully remove the LED beacon from packaging. Examine the unit for transit damage. If damage is found, return product to your local dealer for warranty replacement. Do not use damaged or broken parts.

Caution: When drilling into any vehicle surface, make sure the area is free from any electrical wires, fuel lines, vehicle upholstery, etc. that could be damaged

1. Larger wires and tight connections will provide longer service life for components. For high current wires it is highly recommended that terminal blocks or soldered connections be used with shrink tubing to protect the connections. Do not use insulation displacement connectors (e.g., 3M Scotchlock type connectors).
2. Route wiring using grommets and sealant when passing through compartment walls. Minimize the number of splices to reduce voltage drop. High ambient temperatures (e.g., under-hood) will significantly reduce the current carrying capacity of wires, fuses, and circuit breakers. All wiring should conform to the minimum wire size and other recommendations of the manufacturer and be protected from moving parts and hot surfaces. Looms, grommets, cable ties, and similar installation hardware should be used to anchor and protect all wiring.
3. Fuses or circuit breakers should be located as close to the power takeoff points as possible and properly sized to protect the wiring and devices.
4. Particular attention should be paid to the location and method of making electrical connections and splices to protect these points from corrosion and loss of conductivity.
5. Ground termination should only be made to substantial chassis components, preferably directly to the vehicle battery.
6. Circuit breakers are very sensitive to high temperatures and will "false trip" when mounted in hot environments or operated close to their capacity.

Important: Disable power before wiring up the LED beacon.

Wiring Instructions:

The unit is designed for electrical systems from 12 to 80 VDC (9 to 86 VDC extremes). The wiring for all systems is:

Red Wire Positive (+)
Black Wire Negative (-)

All wiring should be a minimum of 18 AWG. A 3-amp fuse in the positive line is required (see Figure 1). A switch may be used to control the on/off function of the LED beacon. Note: For model 6263, wires will come from bottom, not side as Figure 1 shows. Still follow same wiring instructions.

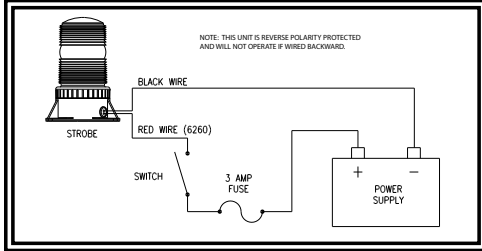


Figure 1



WARNING!

The LED beacon power supply is a high voltage device. To avoid the risk of electrical shock, turn off power before removing lens. There are no internally serviceable parts.

Maintenance & Troubleshooting:

1. Most LED beacon failures, including intermittent or erratic operation as well as failure of operation can be traced to wiring or battery problems. Check all wiring, connections, fuse, switch, and battery voltage to insure that the correct voltage is reaching the LED beacon.
2. If this has not remedied the problem, return product to your local dealer for warranty replacement.

Replacement Parts & Accessories:

Description	Part Number
Lens, 4"	R6260LX*
Lens Gasket	R6220GL
Branch Guard	A6200BG

*where X indicates color: A = Amber, B = Blue, C = Clear, G = Green, R = Red



NOTE: Operating the vehicle without the outer lens installed on the product may result in damage that will NOT be covered under warranty.

Manufacturer Limited Warranty and Limitation of Liability:

Manufacturer warrants that on the date of purchase, this product will conform to Manufacturer's specifications for this product (which are available from the Manufacturer upon request). This Limited Warranty extends for thirty-six (36) months from the date of purchase.

DAMAGE TO PARTS OR PRODUCTS RESULTING FROM TAMPERING, ACCIDENT, ABUSE, MISUSE, NEGLIGENCE, UNAPPROVED MODIFICATIONS, FIRE OR OTHER HAZARD; IMPROPER INSTALLATION OR OPERATION; OR NOT BEING MAINTAINED IN ACCORDANCE WITH THE MAINTENANCE PROCEDURES SET FORTH IN MANUFACTURER'S INSTALLATION AND OPERATING INSTRUCTIONS VOIDS THIS LIMITED WARRANTY.

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