

INSTALLATION & OPERATION MANUAL



E-10 BEACON

12V MAGNETIC MOUNT BEACONS

Contents:

Introduction	2
Unpacking & Pre-Installation	2
Installation & Mounting	2
Magnetic Mounting.....	3
Maintenance	3
Replacement Parts	3
Specifications.....	3
Warranty	4

INSTALLER: Read all instructions and warnings before installing and using.
IMPORTANT: This manual must be delivered to the end user of this equipment.

Introduction

The Beacon has a sleek, aerodynamic profile and is a powerful mid-sized, magnetically mounted warning device. This product complies with SAE J845 Class 2 Light Duty.



WARNING!

The use of this or any warning device does not insure that all drivers can or will observe or react to an emergency 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.

The effectiveness of this warning device is highly dependent upon correct mounting. Read and follow the manufacturer's instructions before installing or using this device. The vehicle operator should insure daily that all features of the device operate correctly. In use, the vehicle operator should

insure the projection of the warning signal is not blocked by vehicle components (i.e., open trunks or compartment doors), people, vehicles, or other obstructions.

This equipment is intended for use by authorized personnel only. It is the user's responsibility to understand and obey all laws regarding emergency warning devices. The user should check all applicable city, state and federal laws and regulations.

Manufacturer assumes no liability for any loss resulting from the use of this warning device.

Proper installation is vital to the performance of this warning device and the safe operation of the emergency vehicle. It is important to recognize that the operator of the emergency vehicle is under psychological and physiological stress caused by the emergency situation. The warning device should be installed in such a manner as to: A) Not reduce the output performance of the system, B) Place the controls within convenient reach of the operator so that he can operate the system without losing eye contact with the roadway.

Emergency warning devices often require high electrical voltages and/or currents. Properly protect and use caution around live electrical connections. Grounding or shorting of electrical connections can cause high current arcing, which can cause personal injury and/or severe vehicle damage, including fire.

PROPER INSTALLATION COMBINED WITH OPERATOR TRAINING IN THE PROPER USE OF EMERGENCY WARNING DEVICES IS ESSENTIAL TO INSURE THE SAFETY OF EMERGENCY PERSONNEL AND THE PUBLIC.

Unpacking & Pre-installation

Carefully remove the beacon and place it on a flat surface, taking care not to scratch the lens. Examine the unit for transit damage, broken lamps, etc.

If it is convenient, you may wish to test the unit before installation. To test, plug the lighter plug into a 12V negative ground outlet.

Installation & Mounting

The Beacon may be mounted magnetically on the roof of the vehicle, or other mounting surface.

General

All devices should be mounted in accordance with the manufacturer's instructions and to vehicle elements of sufficient strength to withstand the forces applied to the device. Driver and/or passenger air bags (SRS) will affect the way equipment should be mounted. This device should be mounted by permanent installation and within the zones specified by the vehicle manufacturer, if any. Any device mounted in the deployment area of an air bag will damage or reduce the effectiveness of the air bag and may damage or dislodge the device. Installer must be sure that this device, its mounting hardware and electrical supply wiring does not interfere with the air bag or the SRS wiring or sensors. Mounting the unit inside the vehicle by a method other than permanent installation is not recommended as unit may become dislodged during swerving, sudden braking or collision. Failure to follow instructions can result in personal injury.

Magnetic Mounting



1) Rust Stains: The magnetic mount is not intended as a permanent mounting for the beacon. Long duration usage of any magnet will expose the high iron content of the steel causing rust. The device should be removed when not used to prevent rust stains. Metallic debris collected by the magnet will also contribute to rust stains. Insure that the magnet is kept clean.

2) Surface rust stains can usually be removed with chrome polish, available at most auto part stores.

3) As with any magnetically-mounted warning device, its use on the exterior of a moving vehicle is at the sole discretion and responsibility of the user.

This magnetic mount product provides a secure, temporary installation in most circumstances and is recommended for stationary use only. For maximum warning signal, mount the beacon on the highest possible flat, level surface of the vehicle.

The Magnetic Based Beacon provides a secure, temporary installation in most circumstances. The beacon should be placed in the center of the roof where the least amount of curvature occurs. The beacon should not be used on a vinyl covered roof. Before installing, check the magnet for clinging debris. Any foreign matter can reduce holding power and scratch your vehicle's paint. The roof surface should be dry and have a dull, not glossy finish. A glossy, highly waxed finish will reduce the friction; and the magnet, though quite powerful, will have a greatly reduced effect. Place and remove your beacon without sliding to avoid scratching. When removing, lift one edge straight up without sliding. When the beacon is placed on the roof, it should adhere firmly to the surface. If the unit slides or moves easily, a proper installation has not been achieved, most probably for one of the reasons mentioned above. In this situation, the user should not attempt to drive with the beacon in place. If the user has attempted to obtain a good installation and still has questions, we recommend that the user (customer) contact his/her distributor or the factory.

Do not install the beacon closer than 20" to any antenna or aerial.

The Beacon is equipped with a cord that plugs into a 12 Volt D.C. cigarette lighter. If you rotate and push with reasonably moderate force, this should insure the best possible connection.

Maintenance

Do not oil or grease this unit. It is constructed with permanently lubricated bearings which do not need lubrication. Keep the unit clean by wiping away any debris or dirt. Clean lens and base with mild soap and water, or lens polish using a soft cloth. The lens may be removed, and the lamps replaced. Use only the same type lamps, with the same rated wattage and voltage.



Lamps are extremely hot! Allow to cool completely before attempting to remove. Gloves and eye protection should be worn when handling halogen lamps as they are pressurized and accidental breakage can result in flying glass.

Use no SOLVENTS on lens.

Failure to follow above warnings or installation and user instructions can result in loss of warranty coverage.

Replacement Parts List:

Specifications:

LENS:	RED	99148R	LENS HEIGHT	5.10"
	BLUE	99148B	OVERALL HEIGHT	5.75"
	AMBER	99148Y	LENGTH	8.00"
			WIDTH	5.90"
			WEIGHT	2.0LBS.
BULB: H1	T01543	OUTPUT		~30,000 CP
		POWER		10-16VDC@~3.5A

WARRANTY

Manufacturer's emergency devices are tested and found to be operational at the time of manufacture. Provided they are installed and operated in accordance with manufacturer's recommendations, manufacturer guarantees all parts and components except the lamps to a period of 90 days (unless otherwise expressed) from the date of purchase or delivery, whichever is later. Units demonstrated to be defective within the warranty period will be repaired or replaced at the factory service center at no cost.

Use of lamp or other electrical load of a wattage higher than installed or recommended by the factory, or use of inappropriate or inadequate wiring or circuit protection causes this warranty to become void. Failure or destruction of the product resulting from abuse or unusual use and/or accidents is not covered by this warranty. Manufacturer shall in no way be liable for other damages including consequential, indirect or special damages whether loss is due to negligence or breach of warranty.

MANUFACTURER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY INCLUDING, WITHOUT LIMITATION, WARRANTIES OF FITNESS OR MERCHANTABILITY, WITH RESPECT TO THIS PRODUCT.

PRODUCT RETURNS

If a product must be returned for repair or replacement*, please contact our factory to obtain a Return Goods Authorization Number (RGA number) before you ship the product to manufacturer. Write the RGA number clearly on the package near the mailing label. Be sure you use sufficient packing materials to avoid damage to the product being returned while in transit.

*Manufacturer reserves the right to repair or replace at its discretion. Manufacturer assumes no responsibility or liability for expenses incurred for the removal and /or reinstallation of products requiring service and/or repair; nor for the packaging, handling, and shipping; nor for the handling of products returned to sender after the service has been rendered.