LARSON ELECTRONICS
9419 US-HWY 175
Kemp, TX 75143

INSTALLATION, OPERATION & MAINTENANCE DATA SHEET

10W Explosion Proof LED Exit Sign

READ THIS SHEET CAREFULLY BEFORE BEGINNING INSTALLATION

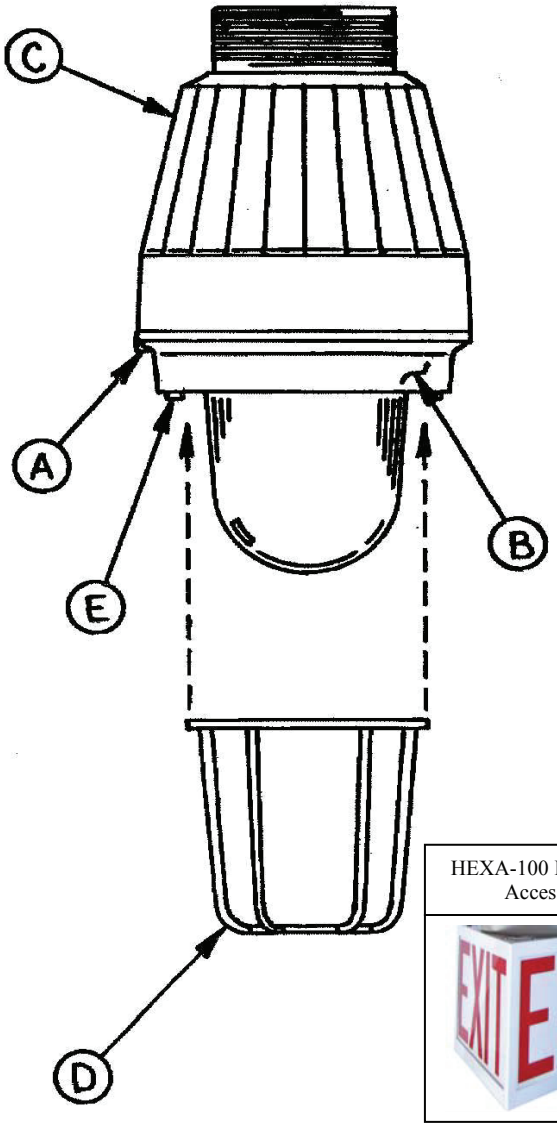
CAUTION: Before installing, make sure you are compliant with area classifications, failure to do so may result in bodily injury, death and property damage. Do not attempt installation until you are familiar with the following procedures. All installation must comply with the applicable Electrical Code.
Make sure that the circuit is De-energized before starting installation or maintenance.
Verify that the installation is grounded. Failure to ground will create electrical shock hazards, which can cause serious injury and or death.

Important: Please read these instructions carefully before installing or maintaining this equipment. Good electrical practices should be followed at all times and this data should be used as a guide only.

1) See fixture nameplate for specific hazardous location suitability and specific supply wire (minimum temperature rating).
2) Verify that the luminaire is grounded. Failure to ground will create electrical shock hazards, which can cause serious injury and or death.
3) Do not operate this fixture if the ambient temperature exceeds the rating shown on the nameplate.
WARNING: Turn **OFF** the supplying circuit before beginning installation, or performing any maintenance.
WARNING: Do not operate this fixture on an ungrounded system**.**
NOTE: All installations/maintenance to be performed by a qualified electrician and must comply with all applicable local and/or National Electrical Code.

INSTALLATION OF EXP-EXT-RH-10W-ITG-LED-32V LUMINAIRE HEAD (Figure 1):

1) Install fixture's mounting accessory per instructions supplied with the mount. See K1087 for further instructions.
2) Loosen the locking screw (**A**).
3) Unscrew and remove globe support assembly (**B**) from fixture tank (**C**). **CAUTION:** During installation or maintenance. Care should be taken to avoid scratching, nicking or chipping the glass globe.
4) Verify that the supply line voltage and fixture nameplate voltage are compatible.
5) Make sure the external threads at the top of the fixture tank are free of any dirt, metal chips or other foreign materials. Apply a thin coat of lubricant to



HEXA-100 EXIT Sign Accessory

Figure 1: INSTALLATION DRAWING

Note: Join or "lap" marks may form during the pouring of molten glass in the globe manufacturing process. It is not unusual for these marks to become visible. This is a common and normal occurrence for large explosion proof globes and does not affect performance.

the threads. **NOTE:** Take extreme care not to cross-thread the fixture when installing into mounting accessory. Install fixture by threading into the mounting accessory; the electrical contacts will automatically engage. Be sure the fixture is tight.

6) Tighten the set screw on the side of the mounting accessory.

7) Make sure the globe support threads are clean. To prevent galling of threads, apply a thin coating of lubricant to the male threads. Thread the globe support assembly into the fixture tank and turn until there is no gap between the flanges (the 0-ring gasket is in full contact on Marine fixtures).

9) Tighten the locking screw (**A**).

10) To install optional guard (**D**) (EMG 2) or HEXA-100 EXIT Sign accessory , loosen the **(4)** screws (**E**), and slip over the screws & rotate it to the locked position. Tighten the screws firmly.

lubricant must be applied to all straight threads on unions in order to maintain NEMA 4X rating.

Connection of Conduit:

1) Connect supply wire through either conduit or applicable cable, utilizing sealing fittings or cable sealing glands as required by Section 501.15 of the National Electric Code, plus any other applicable codes.

Figure 4: Sealing Requirements for Remote Luminaire Heads



Warning

A Class I, Division 1 sealing fitting is required to be installed within 18 inches of main battery unit and all remote fixtures that are not factory sealed.

MAINTENANCE DATA

CAUTION: Turn OFF the supplying circuit before opening fixture. To remove globe assembly, loosen the locking screw and unscrew the globe support assembly.
NOTE: The globe support assembly disengages after approximately 3 turns. Be careful not to damage the threaded areas of the fixture, as they maintain the fixture's explosion- proof properties. Clean the threads and apply a thin coating of lubricant before reassembling. CLEANING: To maintain maximum light output, the fixture should be cleaned periodically. Maintenance procedures sometimes require fixtures to be hosed down for good housekeeping. NOTE: The supply circuit must be turned OFF and the fixture globe must be allowed to cool to the ambient room temperature before cleaning. Only mild, non-abrasive cleaning agents should be used. These periodic cleaning procedures are important to prevent the accumulation of dust and dirt which will impair the light output of the fixture. The glass globe should be regularly inspected for scratches and chips and, if damaged, the entire globe support assembly must be replaced.

Technical information, advice, and recommendations contained in these documents is based upon information that Larson Electronics believes to be reliable. All the information and advice contained in these documents is intended only for use by persons having been trained and possessing the requisite skill and know-how and to be used by such persons only at their own discretion and risk. The nature of these instructions is informative only and does not cover all of the details, variations or combinations in which this equipment may be used; its storage, delivery, installation, check-out, safe operation and maintenance. Since conditions of use of the product are outside of the care, custody and control of Larson Electronics, the purchaser should determine the suitability of the product for his intended use, and assumes all risk and liability whatsoever in connection therewith.

MAINTENANCE MANAGER: Please record the following information for your records.

COMPLETE CATALOG NO._____
(As shown on nameplate)

INSTALLED BY: _____

INSTALLATION DATE: _____

SAVE ONE OF THESE
SHEETS FOR MAINTENANCE PERSONNEL.