

# TOMAR MODEL 4620N-1228 20 WATT NEOBE LIGHTHEAD INSTRUCTION SHEET

ISO398  
REV 00

### SAFETY NOTICES WARNING

Failure to follow all safety precautions and instructions may result in property damage, serious injury, or death to you or others.

### SAFETY MESSAGE TO INSTALLERS, USERS, AND MAINTENANCE PERSONNEL

It is important to follow all instructions shipped with this product. This self contained lighthouse and power supply fixture is to be installed by a trained installer who is thoroughly familiar with electrical wiring techniques, including manufacturers guidelines for mobile vehicular applications, the national electrical code and local codes.



The 4620N generates 600 volts. NEVER work on this power supply fixture before removing input power. WAIT 10 MINUTES AFTER REMOVING INPUT POWER BEFORE ATTEMPTING ANY SERVICE ON THIS SYSTEM.

The selection of the mounting location for the 4620N fixture and routing of the power wiring is to be accomplished under the direction of the engineer in charge.

Listed below are other important safety instructions and precautions.

- Read and understand all instructions before beginning any installation.
- DO NOT connect power to this device before completing the installation. If installing in a vehicle, disconnect the battery of the vehicle before beginning installation.
- After installation, ensure that all mounting hardware is tightened, all electrical joints are tight, and all connections are properly seated.
- After installation and testing is complete, provide a copy of these instructions to all operating personnel.
- TEST THE SYSTEM REGULARLY TO ENSURE THAT IT IS OPERATING PROPERLY.

### INSTALLATION

#### 1. UNPACKING

After unpacking the 4620N, examine it for damage that may have occurred in shipping. If the equipment has been damaged, do not attempt to install or operate it. File a claim immediately with the carrier stating the extent of the damage. Carefully check all envelopes, shipping labels, and tags before removing or destroying them.

Carefully check contents of the shipping package and verify that you have received the following items.

- 1 ea. Model 4620N NEOBE® LIGHTHEAD FIXTURE
- 1 ea. INSTALLATION SHEET ( THIS DOCUMENT )
- 1 ea. M3125A GASKET FOR RECT-46-DSMFP
- 2 ea. H0006 10 X 1/2 SLOTTED TAPPING SCREW

If you are missing any of the above items contact TOMAR Electronics Customer Service to request the missing part.

#### 2. MOUNTING

THE 4620N WEIGHS APPROXIMATELY 1.9 POUNDS. FOR MOBILE VEHICULAR APPLICATIONS, THE INSTALLER MUST FIND A SAFE, STURDY MOUNTING LOCATION.

Wiring for the lighthouse fixture must be protected from cuts, nicks, abrasion, fraying, or any form of accidental exposure to prevent contact with its high voltage output.

The Model 4620N is potted in polyurethane to prevent any damage from vibration or moisture, and is suitable for use on vehicle exteriors.

Additional mounting hardware and installation details are left to the installer.

#### 3. WIRING

DISCONNECT BATTERY OR OTHER POWER SOURCE BEFORE INSTALLING THE 4620N.

##### INPUT POWER

The Model 4620N is designed to operate from 12 or 28VDC automotive electrical systems. The red wire is positive. The black wire is negative. 16 AWG wire or larger is recommended to connect the positive and negative power leads of the lighthouse fixture to the customer provided switch or power source.

The 4620N Lighthouse Fixture is polarity sensitive. It is recommended that a 5 amp fuse be installed in-line with the Red power lead. Do not attempt to operate the supply with the fuse bypassed or shorted at anytime as the fixture will be irreparably damaged or destroyed and its warranty voided, if connected to the wrong polarity without the proper size fuse protection.

#### 4. TESTING

Verify that you have connected the lighthouse fixture to the proper polarity before applying battery power. Once you have completed the input wiring, you may reinstall the vehicle battery or reactivate the main power source.

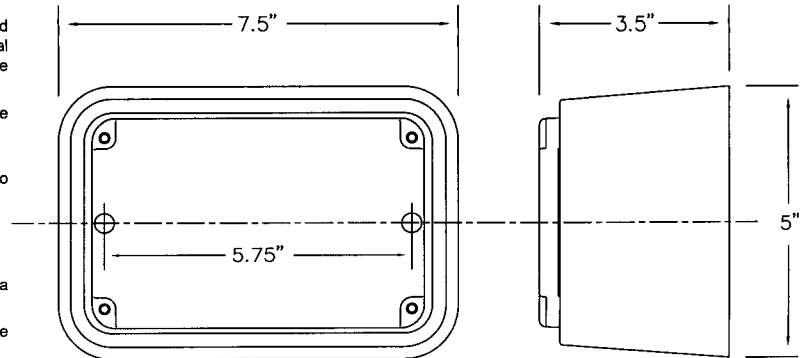
### INSTALLATION IS NOW COMPLETE

#### NEOBE® POWER SUPPLY OPERATION

To activate the 4620N NEOBE® lighthouse fixture, simply apply power.

### TROUBLE SHOOTING WARNING

NEOBE POWER SUPPLIES ARE HIGH VOLTAGE DEVICES AND CAN STORE LETHAL AMOUNTS OF ENERGY. DO NOT REMOVE OR CONNECT LAMPS OR TOUCH LAMPS WHILE IN OPERATION. DISCONNECT INCOMING POWER AT POWER SUPPLY AND WAIT 10 MINUTES BEFORE BEGINNING ANY SERVICE ON ANY PORTION OF A NEOBE® LIGHTING SYSTEM.



Mounting Hole Pattern  
(2) - #10 screws on 5-3/4" centers

#### TROUBLE

Nothing Works

#### THINGS TO CHECK

- 1) Check battery or power source and main fuse or breaker.
- 2) Check ground connection.
- 3) Check for reverse polarity on input power connection.
- 4) Lamp may be defective. Replace with known good unit.

#### MAINTENANCE

Replace a dead or intermittent lamp immediately. The 4620N NEOBE® lighthouse fixture should be checked regularly for proper operation. The lamp connected to the 4620N should be kept clean and checked monthly.

#### 4620N NEOBE SPECIFICATIONS

Size:	3.5" X 7.5" X 5" Tall
Weight:	1.9 lbs. Nominal
Construction:	ABS case, Polyurethane Potting
Power Requirements:	2.0 AMPS AVG @ 12 VDC tapering to 1.0 AMPS AVG @ 24 VDC
Output Power Rating:	20 Watts minimum
Flash Rate:	6 Flashes/Burst @ 60 Flash Bursts/Min

#### 4620N NEOBE® POWER SUPPLY WARRANTY

Except for Xenon strobe lamps and incandescent lamps, TOMAR Electronics, Inc. warrants the products described herein for a period of 2 years under normal use and service from the date of manufacture as marked on the product, that the product will be free of defects in material and workmanship. This warranty does not cover ordinary wear and tear, abuse, misuse, overloading, altered products, or damage caused by the purchaser connecting the unit to wrong voltage or polarity. Xenon strobe lamps are warranted for 1 full year from date of manufacture.

THERE IS NO WARRANTY OF MERCHANTABILITY, THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION HEREIN. THERE ARE NO WARRANTIES EXPRESSED OR IMPLIED OR ANY AFFIRMATION OF FACT OR REPRESENTATION EXCEPT AS SET FORTH HEREIN.

TOMAR Electronics' sole responsibility and liability, and purchaser's exclusive remedy shall be limited to the repair or replacement at TOMAR's option, of a part or parts not so conforming to the warranty. All products requiring warranty service shall be returned to TOMAR within 2 years of manufacture, shipping prepaid. TOMAR will return repaired or replaced products to the purchaser via prepaid ground transportation. In no event shall TOMAR be liable for damages of any nature, including incidental or consequential damages, including but not limited to any damages resulting from non-conformity, defect in material or workmanship.

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