TOMAR

IS0589A-00
10-02-14

INSTALLATION, OPERATION AND MAINTENANCE DATA SHEET
FOR - MODEL 4375 BEACON

FOR CLASS I, DIV. 2, GROUPS ABCD
CLASS II, DIV 2 GROUPS F & G
HAZARDOUS LOCATIONS
OUTDOORS (NEMA 4X)

SAFETY MESSAGE TO INSTALLERS, USERS, AND MAINTENANCE PERSONNEL

It is important to follow all instructions shipped with this product. This device is to be installed by a trained installer who is thoroughly familiar with the national electrical code and local codes as well.
The selection of the mounting location for the device, its controls and the routing of the wiring is to be accomplished under the direction of the facilities engineer. In addition, listed below are some other important safety instructions and precaution you should follow:

- **Read and understand all instructions before installing or operating this equipment.**
- **Do not connect this device to the system when the power is turned on.**
- **After installation, ensure that all screws and thread joints are properly tightened.**
- **After installation, test the system regularly to ensure that it is operating properly.**
- **After installation and testing is complete, provide a copy of this instruction sheet to all operating**

Wiring the Beacon
The Model 4375 Series strobe Beacon should be installed per the NEC or CEC, STATE and LOCAL CODES. Alternate installation locations and/or orientations should only be performed with the approval of the authority having jurisdiction.

NOTE: The 120 VAC strobe unit is designed to operate on both 50 Hz and 60 Hz electrical power. Special modifications are NOT required for the two different AC line frequencies.

Wiring the AC Models

1. Ensure that power is off.
2. Remove the threaded dome assembly by twisting it counterclockwise.
3. Connect the black lead to the phase (hot) side of the power source and the white lead to the common (neutral) side of the AC power source.
4. Secure the dome to the base of the beacon.
5. Connect power to the beacon and test it for proper operation

Wiring DC Models

1. Ensure that power is off.
2. Remove the threaded dome assembly by twisting it counterclockwise.
3. Connect the red (+) lead to the positive side of the power source and the black (–) lead to the negative side of power source.
4. Secure the dome to the base of the beacon.
5. Connect power to the beacon and test it for proper operation

EXPLOSION HAZARD—To reduce the risk of fire or explosion, do not install the beacon in a hazardous location if the operating temperature exceeds the hazardous atmosphere's ignition temperature. Before proceeding, consult the product nameplate and determine the operating temperature of the beacon.

NOTE: To comply with NEC Section 300-14, which requires a minimum of 6 inches (15.25 cm) of free conductor at a junction, when mounting the Model 4375, the mounting pipe used to join the unit to a splice box should be no longer than 10 in (25.4 cm).
The Model 4375 has provisions for mounting a 3/4" pipe and can be mounted in any position.

1. Before mounting the beacon, ensure that the mating threads are clean.
2. To prevent the ingress of water and dust, apply conductive sealant to the conduit threads prior to mounting.

OPERATION
To operate the unit, just apply power. There are no adjustments to make for flash rate or intensity.

SERVICE AND REPAIR

DANGER HIGH VOLTAGE

Should the light fail to operate, check to see that the proper voltage is reaching the unit. If the unit still fails to operate, replace the lamp. To replace a lens or lamp, switch power off and wait 5 minutes before removing lens.

WARNING - EXPLOSION HAZARD - SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR CLASS I, DIVISION 2.

WARNING - EXPLOSION HAZARD - DO NOT DISCONNECT EQUIPMENT UNLESS POWER HAS BEEN SWITCHED OFF OR THE AREA IS KNOWN TO BE NON - HAZARDOUS.

TOMAR Electronics, Inc.
2100 West Obispo • Gilbert, Arizona 85233 USA
800-338-3133 • (480) 497-4400 • FAX (480) 497-4416
www.tomar.com **sales@tomar.com**