



# MICROSTROBE® MODEL 470S-1280

FOR CLASS I, DIV. 2, GROUPS ABCD  
CLASS II, DIV. 2, GROUPS F & G  
HAZARDOUS LOCATIONS  
OUTDOORS (NEMA 3R & 4)



## INSTALLATION, OPERATION AND MAINTENANCE DATA SHEET

### SAFETY NOTICE 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 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 precautions 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 personnel.

### WARNING EXPLOSION HAZARD

- Substitution of components may impair suitability for Class I, Div. 2 use.
- Do not disconnect equipment unless power has been switched off or the area is known to be non-hazardous.

### INSTALLATION

Important—Before installing, check the fixture nameplate to be sure you have the correct fixture.

#### MAKE SURE THAT THE CIRCUIT IS DEACTIVATED BEFORE STARTING INSTALLATION.

The model 470S-1280 Microstrobe® may be mounted to any flat surface by using the 2 (.200 Dia.) mounting holes in the base 3-3/8" spacing. Wiring shall be installed in accordance with national and local codes.

The unit may be mounted in any orientation that provides the desired illumination.

Mounting hardware and installation details are left to the installer to provide.

### WIRING

The unit is rated for operation from 12V thru 80VDC power and 16V thru 24VAC 50/60Hz power.

Connect the red lead to (+) positive when operation from DC power is required.



BY CUSTOMER

SWITCH FUSE

RED

BLACK



### OPERATION

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

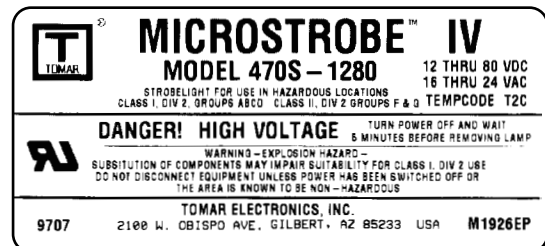
### SERVICE AND REPAIR DANGER HIGH VOLTAGE

Should the light fail to operate, check to see that the proper voltage and polarity are 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.

The unit's base contains electronic components that are not accessible. Therefore, no field repairs other than lens or lamp replacement are possible.

When replacing the lens, hand tighten only—do not overtighten. The water tight O-ring seal will seal the unit as soon as the lens seats on the base. The O-ring seal does not depend on how tight the lens is screwed in.

Cleaning—The unit is made of GE Lexan® polycarbonate plastic. Use mild soap and water to wash.



NAMEPLATE

## TOMAR Electronics, Inc.

2100 West Obispo • Gilbert, Arizona 85233 USA  
800-338-3133 • (480) 497-4400 • FAX (480) 497-4416