INSTALLATION INSTRUCTIONS FOR MODELS 824, 8024, AND 1224 (12-28 VDC) STROBE LIGHTS

WARNING—HIGH VOLTAGE!
REMOVE POWER AND WAIT 10 MINUTES BEFORE SERVICING THIS UNIT

Voltages up to 600 VDC are generated within this strobe light. Service by unqualified personnel is very dangerous and may result in death or severe electrical shock. Replacement of the lamp is the only service work that can be done to this unit as all electrical components are potted in a waterproof insulating plastic.

UNPACKING INSTRUCTIONS

After unpacking the strobe light, examine it for any damage that may have occurred in shipping. If the strobe 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 destroying them.

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

- QTY. 1 of a Model 824, 8024 or 1224 (12-28 VDC) strobe light, a flange clamp mounting ring (only with 824 series strobe lights) a foam mounting pad and any other options you may have ordered (i.e. guard, dust cover, lens blackout, etc.)

INSTALLATION INSTRUCTIONS

All 824, 8024, and 1224 (1228VDC) strobes are shipped from the TOMAR factory configured to operate in high intensity-double flash mode. These strobes have a built-in Photocell which can be activated to control the intensity of the strobe in varying ambient light conditions. The strobes are also designed to operate in either Double or Multi Flash mode.

To activate the Photocell, turn the unit off and wait 10 minutes before removing the lens cover. Locate the Photocell and black jumper wire loop along the edge of the potted unit. **CAUTION: Do not cut the Photocell leads!** The Photocell is activated by cutting the black jumper wire. Should you ever wish to set the strobe for constant high intensity, simply strip and wire nut the black jumper wires together.

To activate the Multi Flash mode on the strobes, turn the unit off and wait 10 minutes before removing lens cover. Locate the yellow jumper wire loop along the edge of the potted unit. The Multi Flash mode is activated by cutting the yellow jumper wire. Should you ever wish to set the strobe for Double Flash mode, simply strip and wire nut the yellow jumper wires together.

MOUNTING

The strobe may be mounted with the included flanged clamp ring for models 824 and 8024 (Model 1224 includes the clamp on its base) and the foam mounting pad, or a 1/2" pipe may be screwed into the base of the unit, or the unit may be surface mounted by using the three 6/32 brass inserts molded into the bottom of the base. Hardware and mounting details are left up to the installer. IN ALL CASES ENSURE THAT ALL MECHANICAL AND ELECTRICAL INSTALLATION TECHNIQUES COMPLY WITH NATIONAL CODES, LOCAL CODES AND ANY COMPANY REQUIREMENTS.

WIRING

MAKE SURE THAT THE POWER SOURCE IS DE-ACTIVATED. All DC operated strobe lights are polarity sensitive and have a built in series diode to protect the unit against incorrect hook-up. The BLACK lead must be connected to the NEGATIVE terminal of the power source. The RED lead must be connected to the POSITIVE terminal of the power source through a suitable power switch and fuse provided by the customer. Use only a 10 Amp fuse to protect the unit. The use of a larger fuse may increase the risk of electrical system damage should the light fail.

Once you have configured the Photocell and Flash mode options, mounted the strobe and wired the input wires properly to the de-activated source, you may reactivate the power source. With power applied, the strobe light should begin operating immediately.

IF YOU SHOULD HAVE ANY QUESTIONS CONCERNING THE INSTALLATION OR OPERATION OF THIS UNIT OR NEED TO RETURN THE UNIT FOR SERVICE PLEASE CONTACT THE TOMAR ELECTRONICS SERVICE DEPARTMENT AT (800) 338-3133 OR FAX (800) 688-6627.

TOMAR Electronics, Inc.
2100 West Obispo Avenue
Gilbert, Arizona 85233 USA
(800) 338-3133 • (480) 497-4400
FAX (800) 688-6627 • (480) 497-4416
www.tomar.com • sales@tomar.com

IS0052 Rev. 01
052099