

TOMAR® MODELS 824-110, 824-240, 8024-110, 8024-240, 1224-120, AND 1224-240 MULTISTROBE 120VAC AND 240VAC DOUBLE AND QUAD FLASH STROBE LIGHT INSTALLATION INSTRUCTIONS

WARNING—HIGH VOLTAGE

REMOVE POWER AND WAIT 10 MINUTES BEFORE SERVICING THIS UNIT.

Voltages of up to 600VDC are generated within this strobe light. Service by authorized personnel only.

UNPACKING INSTRUCTIONS

After unpacking the strobe light, examine it for 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 removing or destroying them.

Carefully check the contents of the shipping package and verify that you have received the correct model strobe light and any additional mounting, lens blackout, dust cover, or guard options you may have ordered.

INSTALLATION INSTRUCTIONS

STEP 1—The strobes are shipped from the TOMAR factory configured to operate in high intensity-double flash mode. The 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 Quad 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.

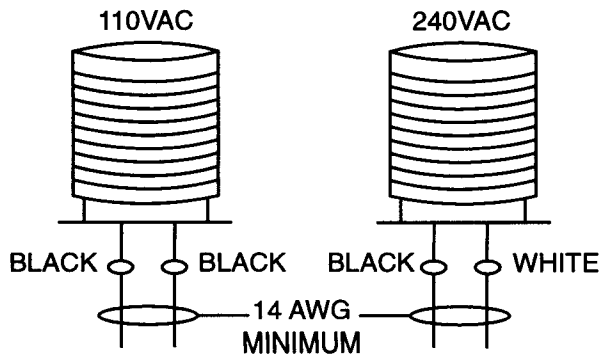
STEP 2—Using suitable hardware and techniques depending upon the mounting option you ordered, securely mount the strobe light in the desired location. Hardware and mounting details are left to the discretion of the installer. **IN ALL CASES ENSURE THAT ALL MECHANICAL AND ELECTRICAL INSTALLATION TECHNIQUES COMPLY WITH NATIONAL CODES, LOCAL CODES, AND ANY COMPANY REQUIREMENTS.**

STEP 3—MAKE SURE THAT THE POWER SOURCE IS DEACTIVATED. The -110 strobe lights are designed to operate on a standard 120VAC, 15 AMP power circuit. These strobes will perform within specifications over a 100VAC to 150VAC range. Refer to the wiring diagram and use 14AWG wire minimum to connect the strobe light power leads to the power source protected by a suitable over-current protection device.

The -240 strobe lights are designed to operate on a standard 240VAC, 15 AMP power circuit. These strobes will perform within specifications over a 185VAC to 265VAC range. Refer to the wiring diagram and use 14AWG wire minimum to connect the strobe light power leads to the power source protected by a suitable over-current protection device.

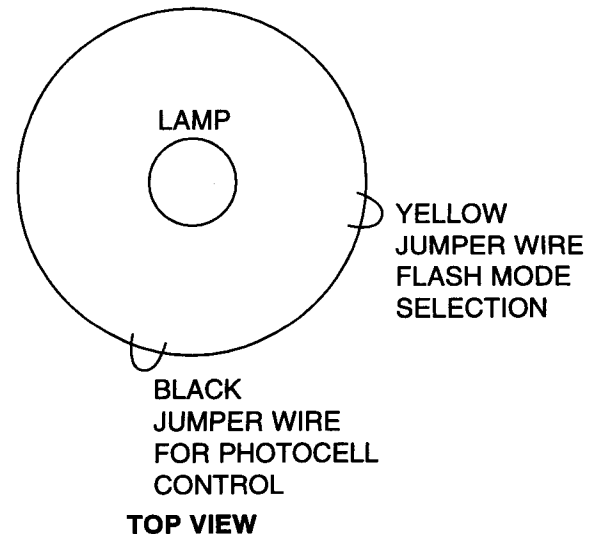
STEP 4—Once you have configured the Photocell and Flash Mode jumpers, mounted the strobe, and wired the input wires to the deactivated power source, you may reactivate the power source. With power applied the strobe light should begin operation immediately.

WIRING DIAGRAM



**TO AC, 15 AMP
OVER-CURRENT PROTECTED
CIRCUIT**

PHOTOCELL AND FLASH MODE JUMPER SETTINGS



TROUBLE SHOOTING

WARNING

STROBE LIGHTS ARE HIGH VOLTAGE DEVICES AND CAN STORE LETHAL AMOUNTS OF ENERGY. DO NOT REMOVE LENS OR SERVICE UNIT IN ANYWAY WHILE IN OPERATION. DISCONNECT INCOMING POWER AT SOURCE AND WAIT 10 MINUTES BEFORE BEGINNING ANY SERVICE ON THIS STROBE LIGHT.

TROUBLE

Strobe is completely dead.

Strobe single flashes or flashes erratically.

Strobe will not dim automatically at low ambient light levels.

THINGS TO CHECK

- 1) Verify that proper voltage is reaching the unit.
- 1) Verify that the strobe is operating at the specified input voltage.
- 2) Replace lamp with known good lamp. If problem is cured, lamp had reached end of life.
- 1) Check to make sure that Photocell jumper wire has been cut. See Installation Instructions Step 1.
- 2) Cover Photocell with black tape to verify dimming function.

-110 SPECIFICATIONS

Input Voltage Range: 100VAC to 150VAC for normal operation.

DOUBLE FLASH MODE

MULTI FLASH MODE

Current Draw:	.75 Amps Peak, .50 Amps RMS Average	.80 Amps Peak, .60 Amps RMS Average
Flash Rate:	68 to 72 Double Flashes per Minute	58 to 62 Multi Flashes per Minute
Energy Output:	16 Joules per Double Flash	22 Joules per Multi Flash
Power Output:	18 Watts NOMINAL	22 Watts NOMINAL

-240 SPECIFICATIONS

Input Voltage Range: 185VAC to 265VAC for normal operation.

DOUBLE FLASH MODE

MULTI FLASH MODE

Current Draw:	.80 Amps Peak, .50 Amps RMS Average	.80 Amps Peak, .60 Amps RMS Average
Flash Rate:	68 to 72 Double Flashes per Minute	58 to 62 Multi Flashes per Minute
Energy Output:	17 Joules per Double Flash	25 Joules per Multi Flash
Power Output:	20 Watts NOMINAL	25 Watts NOMINAL

EXTENDED 5 YEAR WARRANTY!

This product is covered by TOMAR's standard warranty (see catalog) except the warranty period is extended to 5 years for the power supply.



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