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TOMAR ELECTRONICS INCORPORATEDIS0009
COPYRIGHT 1992MODEL 800-110, 802-110, 840-110 AND 1250-120
120VAC DOUBLE FLASH STROBE LIGHTSINSTALLATION INSTRUCTIONS**WARNING – HIGH VOLTAGE**
REMOVE POWER AND WAIT 10 MINUTES BEFORE SERVICING THIS UNIT

Voltages of up to **600 VDC** are generated within this strobe light. Service by unauthorized personnel is very dangerous and will void the unit's warranty. Return light to TOMAR Electronics service center for any repairs.

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 following items:

1 ea. Model 800-110, 802-110, or, 1250-120 strobe light

Any additional mounting, lens blackout, dust cover, or guard options you may have ordered.

INSTALLATION INSTRUCTIONS

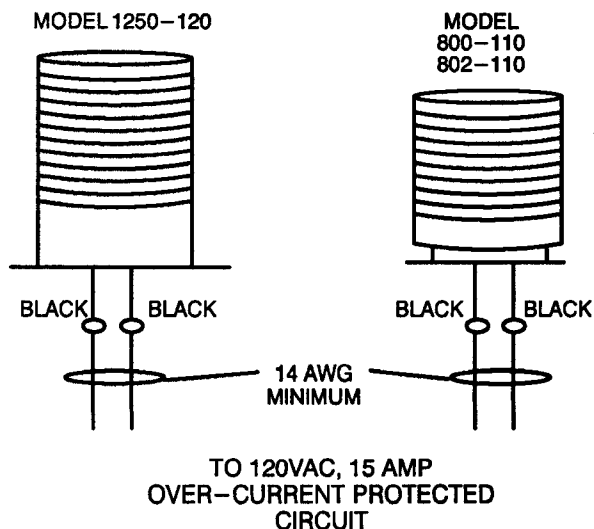
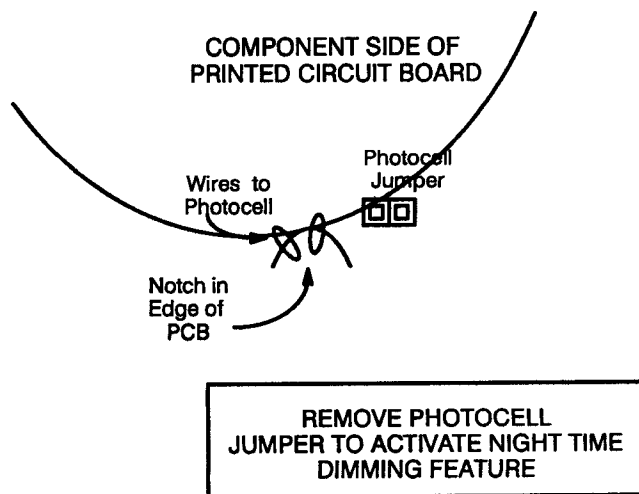
STEP 1– All 800-110, 802-110, and 1250-120 strobes are shipped from the TOMAR factory set up so they operate in the high intensity mode at all times. These strobes have a built-in PHOTOCELL which can be activated to control the intensity of the strobe with varying ambient light.

To activate the photocell on the model 1250-120 strobe, turn the unit over so you are looking into the bottom of the strobe. Carefully locate the shunt type jumper near the edge of the printed circuit board where the photocell is routed through the board. Remove this shunt jumper. The photocell is now activated. Should you ever wish to set the strobe for constant high intensity again simply replace this jumper on its pins.

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 detail are left to the discretion of the installer. **IN ALL CASES INSURE THAT ALL MECHANICAL AND ELECTRICAL INSTALLATION TECHNIQUES COMPLY WITH NATIONAL CODES, LOCAL CODES, AND ANY COMPANY REQUIREMENTS.**

STEP 3– The 800-110, 802-110, and 1250-120 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. **MAKE SURE THAT THE POWER SOURCE IS DE-ACTIVATED.**

STEP 4– Once you have configured the photocell jumper, 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 DIAGRAMPHOTOCELL JUMPER SETTING

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 strobe is operating on 100VAC to 150VAC input voltage.
- 2) Replace lamp with known good lamp. If problem is cured lamp has reached end of life.
- 1) Check to make sure that photocell shunt has been removed from pin. See install step 1.
- 2) Check if strobe is mounted with photocell aimed at some artificial light source.

800-110, 802-110, AND 1250-120 SPECIFICATIONS

Input Voltage Range:	100VAC to 150VAC for normal operation Strobe will single flash down to at least 85VAC
Current Draw:	.6 Amps peak, .4 Amps RMS Average
Flash Rate:	67 to 77 Double Flashes per Minute
Energy Output:	16 Joules per Double Flash NOMINAL
Power Output:	18 Watts NOMINAL
Intensity:	CLEAR LENS 1020 Candela Effective nominal AMBER LENS 720 Candela Effective nominal BLUE LENS 240 Candela Effective nominal RED LENS 160 Candela Effective nominal GREEN LENS 165 Candela Effective nominal

MODEL 800-110, 802-110, 1250-120 STROBE LIGHT WARRANTY

TOMAR Electronics, Inc. warrants that the product described herein, for a period of 5 years under normal use and service from the date of manufacture as marked on 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, damage caused by the purchaser connecting the unit to wrong voltage, or lightning damage.

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 5 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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