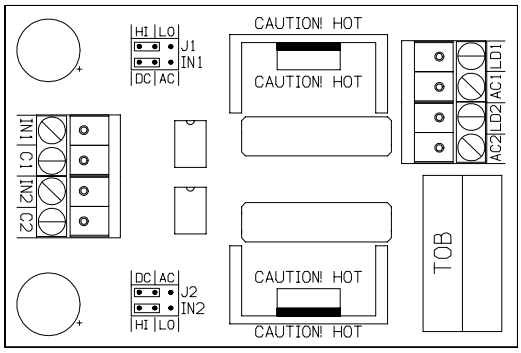
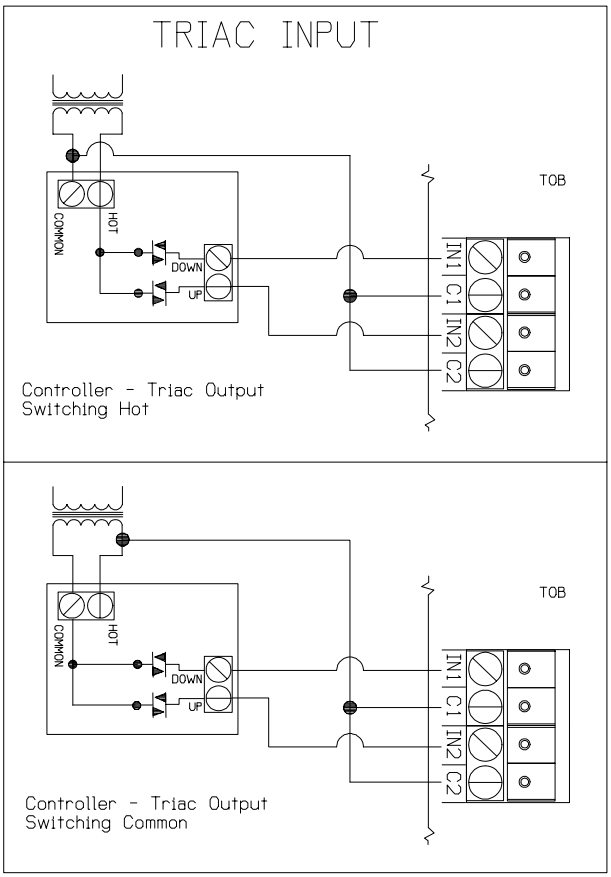
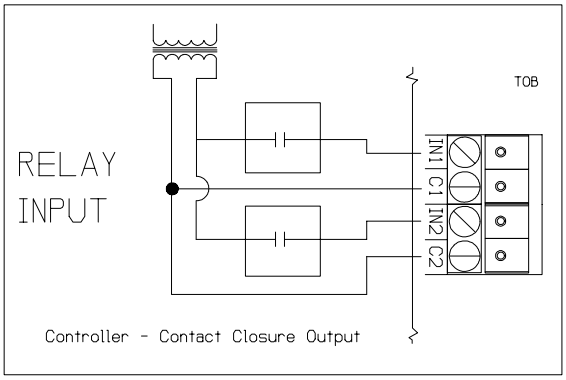
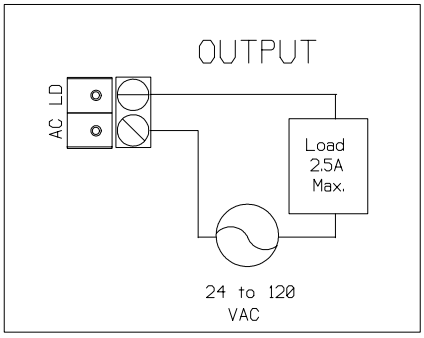
TOB

Dual Triac Output Booster









INSTALLATION

READ THESE INSTRUCTIONS BEFORE YOU BEGIN INSTALLATION.

Ground yourself before touching board. Some components are static sensitive.

MOUNTING:

Circuit board may be mounted in any position. If circuit board slides out of snap track, a nonconductive “stop” may be required.

Use only fingers to remove board from snap track. Slide out of snap track or push against side of snap track and lift that side of the circuit board to remove. Don’t flex board. Use no tools.

WIRING

Input Wiring: Either of the two inputs can be wired as an AC or DC input. See "AC In" and "DC In" diagrams above. Observe the J1 and J2 AC/DC jumper shunt settings on page 2.

Non TRIAC driven AC signal wiring is wired similar to the direct DC input with a N.O. contact activating the signal. See the “Input Jumper Shunt Settings” section on page 2 to configure it for your input type.

Output Wiring: Either output can drive a 2.5A load at 120 VAC or 24 VAC. In either case a 2.5A load should not be exceeded. Maximum load is 300VA for 120 VAC and 60VA for 24 VAC.

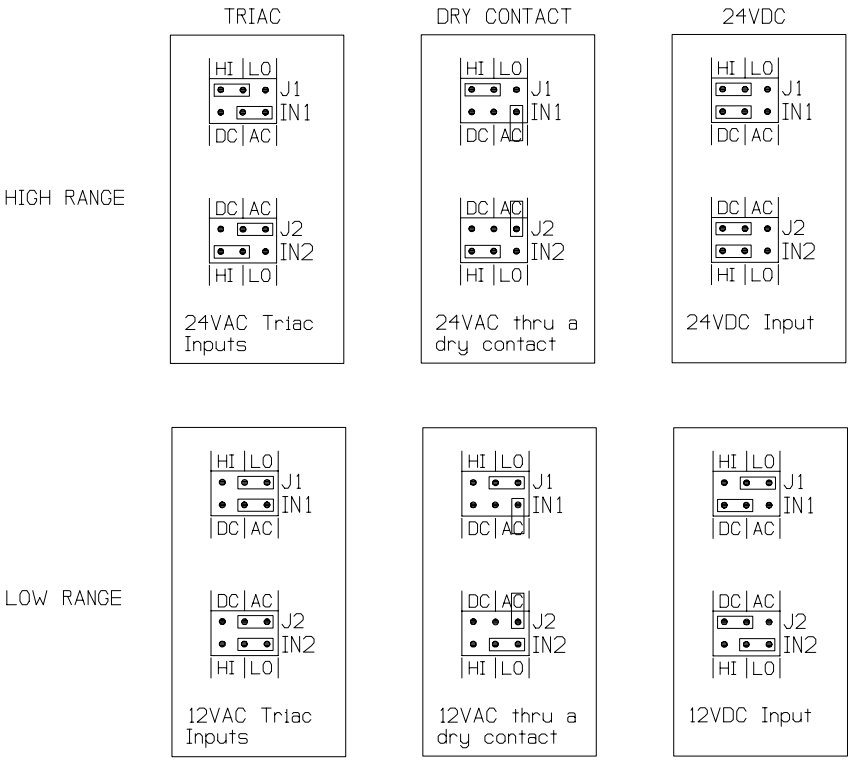
Input Type Jumper Shunt Settings (AC/DC):

The AC/DC sides of the J1 or J2 headers are available so that you can set each type of input you are using to trigger the TRIAC Output. If you are using an AC signal from a TRIAC, place the jumper shunt in the “AC” position. If you are using a DC signal, place the jumper shunt in the “DC” position. If you are using an AC signal that is being switched with a dry contact, do not place a jumper shunt in either position (remove entirely).

Input Level (HI/LO):

The HI/LO sides of the J1 or J2 headers are to set the level of the input that you are using. Follow the table below for the setting that you need.

Input Type	**High (HI)**	**Low (LO)**
AC (TRIAC).....	>20 up to 26VAC	12 to 20VAC
DC.....	>20 up to 35VDC	5 to 20VDC
AC (NON-TRIAC).....	>20 up to 28VAC	12 to 20VAC



NOTE: Be aware that the J1 and J2 jumpers are a mirror image of each other. This means that the HI/LO jumper settings are closest to the outside edge of the board.

Input Common Jumper J5: If the Input types are the same and they share the same common for both IN1 and IN2, on the bottom side of the board "Solder Jumper J5” can be soldered shut in order to minimize wiring to both C1 and C2 terminals. Doing so makes a connection on the solder side of the board between C1 and C2 terminals. Use caution not to damage other solder connections or components.

Input Trigger Level:	12 to 28 VAC 5 to 35 VDC	Output Load:	24 VAC/ 60VA Maximum 120 VAC/300VA Maximum