

Dual Triac Output Booster

FEATURES

- Boosts Triac signal - Control up to 2.5A load
- Input to Output Signal Isolation
- Jumper Selectable for AC or DC Input
- Dual Channel Operation with Individual Channel Control



APPLICATIONS

- Electric Actuator Control
- Replaces noisy mechanical relays

PRODUCT DESCRIPTION

The TOB will accept up to two separate signals from up to two AC TRIAC outputs, or DC sources, and provide up to two TRIAC outputs each capable of driving a 2.5A load. Each output TRIAC

is activated for the time that the signal is applied to the input. The TOB provides isolation between the input and output circuits as well as the two identical circuits

ORDERING INFORMATION

Specify: **TOB** with _____ **ENC1 Enclosure?**

SPECIFICATIONS

Electrical Requirements

Input Type

AC (TRIAC)

High (HI)

>20 to 26 VAC

Impedance (Nom.)

414 Ohms

DC

>20 to 35 VDC

2.5K Ohms

AC (NON-TRIAC)

>20 to 28 VAC

414 Ohms

Low (LO)

AC (TRIAC)

12 to 20 VAC

274 Ohms

DC

5 to 20 VDC

1.25K Ohms

AC (NON-TRIAC)

12 to 20 VAC

274 Ohms

Output

Triac (two channels)

24 to 120 VAC, 2.5A load at 24 VAC (equivalent of a 60VA load) or 120 VAC (equivalent of a 300VA load). The 2.5A load limit should not be exceeded.

Triac Voltage Drop

1.2 VAC (nominal).

Isolation:

Electrical isolation from input to output and between circuits up to 7500 VAC peak .

Mechanical Requirements

Connections

Wire Size

Up to one 14 gauge maximum.

Terminal Type

90° Plug-in Blocks with 5mm pin spacing.

Dimensions

3.25" L x 2.40" W x 1.7" H.

Weight

2.5 oz.

Mounting

Furnished with 2.375" length of 8TK snaptrack (ENC1 optional).

Environmental Requirements

Operating Temperature

32 to 120 degrees F.

Storage Temperature

-20 to 150 degrees F.

Operating Humidity

10% to 95% non-condensing.

Specifications may change without notice to improve accuracy or functionality.