



## READ THESE INSTRUCTIONS BEFORE YOU BEGIN INSTALLATION

Ground yourself to discharge static electricity before touching any electronic equipment, as some components are static sensitive. The interface device can be mounted in any position. If circuit board slides out of snap track, a non-conductive "stop" may be required. Use only fingers to remove board from snap track. Slide out of snap track or push up against side of snap track and lift that side of the circuit board to remove. Do not flex board or use tools.

## POWER CONNECTIONS

Be sure to follow all local and electrical codes.

Refer to wiring diagram for connection information.

- 1) The secondary supply voltage to the interface should be isolated from earth ground, chassis ground, and neutral leg of the primary winding. Any field device connected to this transformer must use the same common. If you are not sure of other field device configuration, use separate transformers.
- 2) If the 24 volt AC or DC power is shared with other devices that have coils such as relays, solenoids, or other inductors, each coil must have a diode, MOV, Transorb, or other spike snubbing device across each of the shared coils. Without these snubbers, coils produce very large voltage spikes when de-energizing that can cause malfunction or destruction of electronic circuits.

## SETUP

Set Jumper J1 for pulse timing range. Version One has four jumper selectable ranges, Version Two has two (2) jumper selectable ranges. Set Jumper J2 for normal or triac input, and J3 for MAN in order to checkout connections by using manual override potentiometer. Reset J3 to AUTO for normal operation.

Version #2 0-10 Second Duty Cycle mode accepts a continuous pulse signal command string, sampled in a 10 second window. No pulse within a 10 second window produces minimum % output (0 volts). Ten second or continuous pulse produces a 100% output (10 volts).