

## INSTALLATION

**!CAUTION!** • This product is not intended for life or safety applications

Severe injury or death can result from electrical shock during contact with high voltage conductors or related equipment. Disconnect and lock-out all power sources during installation. Applications shown are suggested means of installing relays, but it is the responsibility of the installer to ensure that the installation is in compliance with all national and local codes. Installation should be attempted only by individuals familiar with codes, standards, and proper safety procedures for high-voltage installations. Do not rely on status indications of device exclusively to determine if power is present in conductor.

## TIMER FUNCTION DESCRIPTIONS

**ON DELAY:** Output relay is off for a programmed time interval which is started by applying input voltage. The LED flashes when the output relay is off and is on continuously when the output relay is on. Applying CONTROL input will have no effect on the timing or state of the relay.

**REPEAT:** The Output relay is turned on at the end of the programmed time interval which is started by application of INPUT power. Relay stays on for equal time intervals, then turns off, and cycle is repeated on a free-running basis, with equal on and off times, until terminated by removal of the INPUT power. The LED is flashing when output relay is off and on continuously when relay is on. Applying CONTROL input will have no effect on timing or state of the relay when set in the repeat mode.

**INTERVAL:** Output relay is turned on for a programmed time interval by applying input voltage. The LED flashes when the output relay is turned on and is on continuously when the output relay is off. Applying CONTROL input will have no effect.

**OFF DELAY:** Output relay is turned on by applying CONTROL input with input voltage present or application of INPUT voltage with the CONTROL input on. The time interval will be started by removing the CONTROL input with output relay turning off at the completion of the time interval. Reapplying the CONTROL input during timing will reset the time to zero and inhibit timing until removed. The LED IS OFF when control input is on, flashing during the timing cycle and on continuously when the output is off.

**ONE SHOT:** Output relay is turned on by applying CONTROL input with INPUT voltage present or application of INPUT voltage with the CONTROL input on. Immediately upon either condition, timing is initiated with the output relay timing off at the completion of the selected time interval. Applying CONTROL input after time out will reset the timer and turn on the output relay tin initiate another time interval. The LED is on continuously when the output relay is off and flashes when the relay is on. Applying CONTROL input during timing will have an effect on the timing or the state of the relay.

## Installation Instructions

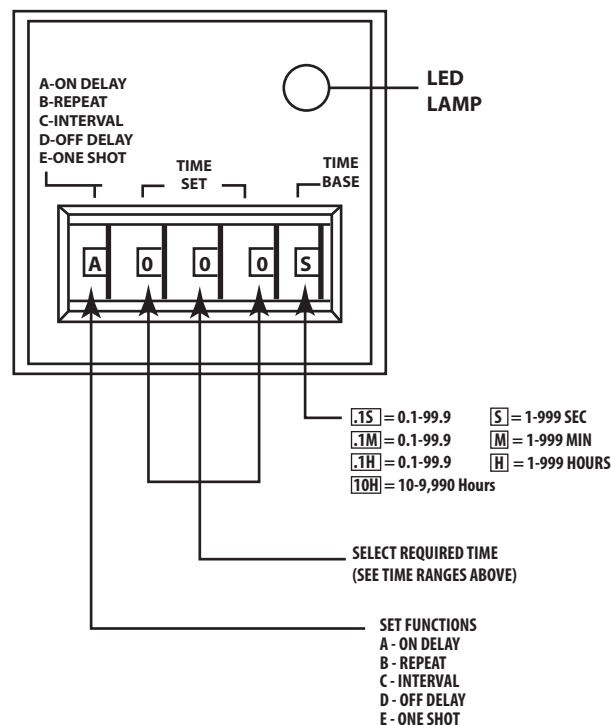
# VTD2P-F50 Series

## Time Delay, Multi-Function DPDT

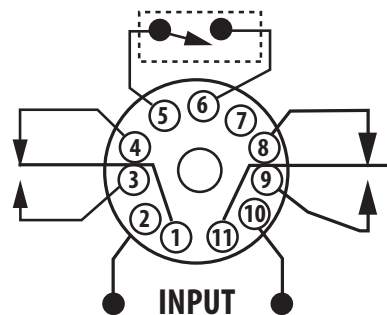
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### EXTERNAL CONTROL SWITCH



**Input Voltage Range**  
24 to 240VAC, 50/60 HZ  
24 to 240 VDC