

VTD2P-F50



VTD2P-F50

Time Delay, Multi-Function DPDT Relay

Installer's Specifications

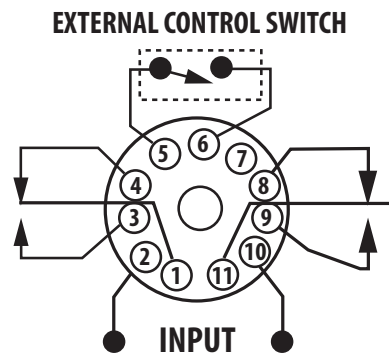
Operating Range	85% to 110% of nominal voltage
Drop-Out Voltage Threshold	15% of nominal voltage
Expected Relay Life	Electrical (resistive @ rated current) 100,000 cycles; Mechanical (unpowered) 10,000,000 cycles
Dielectric Strength	1000VAC (RMS)
Operating Temperature	-20°C to 55°C (-4 to 131°F)

INSTALLATION

Disconnect and lock out all power sources before beginning the installation.

1. Connect relay contacts.
2. Secure the enclosure and reconnect power.

WIRING EXAMPLE



HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

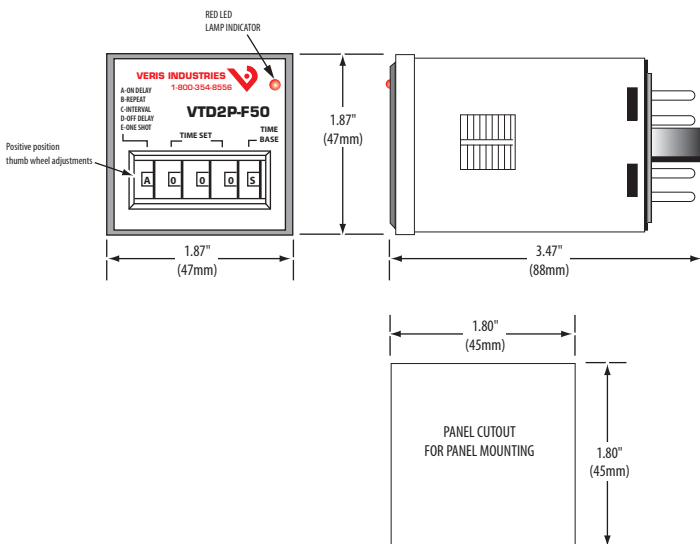
- Follow safe electrical work practices. See NFPA 70E in the USA, or applicable local codes.
- This equipment must only be installed and serviced by qualified electrical personnel.
- Read, understand and follow the instructions before installing this product.
- Turn off all power supplying equipment before working on or inside the equipment.
- Use a properly rated voltage sensing device to confirm power is off.
DO NOT DEPEND ON THIS PRODUCT FOR VOLTAGE INDICATION

Failure to follow these instructions will result in death or serious injury.

NOTICE

- This product is not intended for life or safety applications.
- Do not install this product in hazardous or classified locations.
- The installer is responsible for conformance to all applicable codes.
- Mount this product inside a suitable fire and electrical enclosure.

DIMENSIONS



TIME DELAY FUNCTIONS

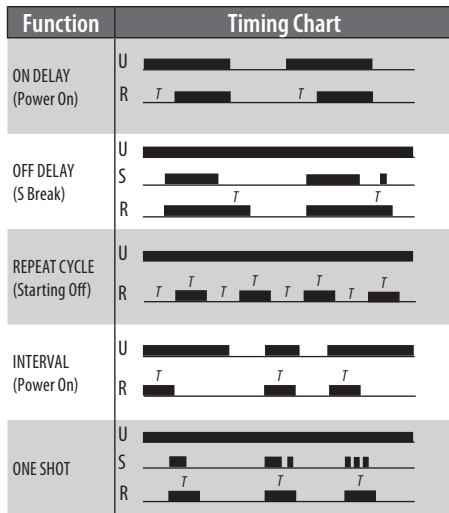
ON DELAY: When input voltage is applied, the output relay remains off for a programmed time interval, then turns on. Applying control input has no effect on the timing or state of the relay. The LED flashes while the output relay is off and is on continuously when the output relay is on.

OFF DELAY: Input voltage is on continuously. When control voltage is applied, the output relay turns on. The time interval begins when the control input turns off. Reapplying the control input resets the time to zero and inhibits timing until removed. The LED is off while the control input is on, flashes during the time delay interval, and is on continuously when the output relay is off.

REPEAT: Input voltage is on continuously. When input voltage is first applied, the output relay remains off for a programmed time interval, then turns on. Relay stays on for an equal time interval, then cycles on and off for this time interval until the input power is removed. Applying control input has no effect on the timing or state of the relay. The LED flashes when output relay is off and is on continuously when relay is on.

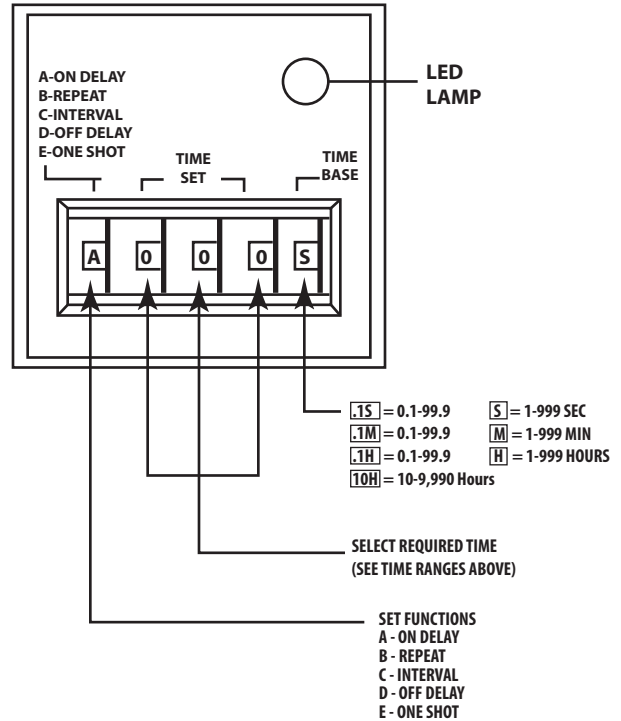
INTERVAL: When input voltage is applied, the output relay turns on for a programmed time interval. The output relay only turns on once for each application of input voltage. Applying control input has no effect on the timing or state of the relay. The LED flashes when the output relay is on and is on continuously when the output relay is off.

ONE SHOT: Input voltage is on continuously. When the control voltage is applied, the output relay turns on for a programmed time interval, then turns off. The LED is on continuously when the output relay is off and flashes when the relay is on.



U: Applied input voltage
S: Control switch (open or closed)
R: Relay contacts (on or off)
T: Time delay

TIME DELAY SETTINGS



CONTACT AND COIL SPECIFICATIONS

TYPICAL COIL PERFORMANCE	
Power Consumption	
AC	2.5VA
DC	2W

CONTACT RATINGS	
Resistive	12A@240VAC, 30VDC
Pilot Duty.....	B300

TIMING CHARACTERISTICS	
Functions Available	5
Time Ranges	
0.1 sec	0-999
sec	0-999
0.1 min	0-999
min	0-999
0.1 hr	0-999
hr	0-999
10 hr	0-999
0.1 day	---
day	---
Tolerance (mechanical setting)	0%
Repeatability	0.1%
Operate Time (max)	25 msec
Reset Time (max)	150 msec
Trigger Pulse Length (min)	---