



# Single Shot

## T2 Series

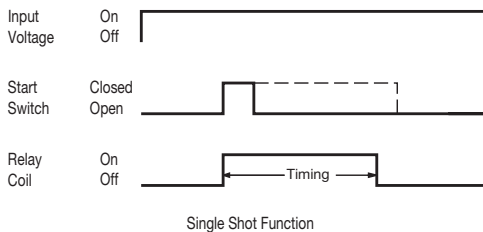
### FEATURES

- 100% functionally tested
- Digital timing circuit
- Time delays to 1 hour
- $\pm 1\%$  repeatability
- Superior transient protection
- Fiberglass reinforced circuit board
- Internal components supported by heavy-duty chassis
- Reinforced locator pin
- Flame-retardant and solvent-resistant polyester thermoplastic housing
-   File #E59090

**Operating Logic:** Voltage is applied to the timer at all times. Upon a momentary or maintained closure of a normally open isolated start switch, the output relay coil is energized and the time delay starts. At the end of the preset time delay, the relay coil is de-energized and the timer is ready for a new cycle.

Note: 1) Do not apply voltage or ground to the Start switch, 2) Switch leads should be shielded when running close to other wires (Start switch supplied by customer)

### LOGIC FUNCTION DIAGRAM



### SPECIFICATIONS

#### TIME DELAY

**Adjustment:** Knob, factory fixed on special order (min. order required)

**Range:** 100 ms to 1 hour in 7 ranges

**Repeatability:**  $\pm 1\%$  at constant temperature

**Accuracy:** Maximum time -0%, +10%; Minimum time +0%, - 50%

**Reset Time:** 400 ms max.

#### INPUT

**Operating Voltage:** 24, 120 VAC; 12, 24 VDC  $\pm 10\%$  (DC models have reverse polarity protection; unfiltered input voltage to them must be full-wave rectified)

**Start Switch Closure Time:** 20 ms min.

**Power Consumption:** 3 VA max.

**Frequency:** 50/60 Hz

#### OUTPUT

**Type:** Relay contacts, SPDT (1 form C) or DPDT; (2 form C)

**Rating:** 10 A max. resistive at 240 VAC; 100 mA at 5 VDC min. load current

#### Life:

Mechanical: 10,000,000 operations

Full Load: 500,000 operations

#### PROTECTION

**Transient Voltage:** 12 and 24 V timers are protected by an 8.8 joule metal oxide varistor; 120 V timers are protected by a 30 joule metal oxide varistor

**Dielectric Breakdown:** 1500 VAC, RMS min. at 60 Hz between input and outputs and between outputs

#### MECHANICAL

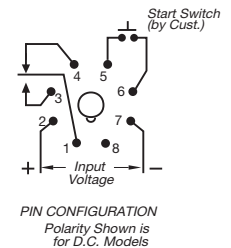
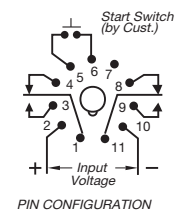
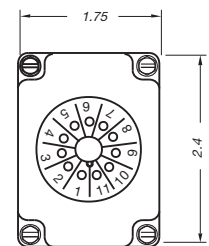
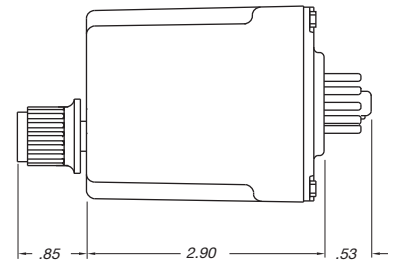
**Termination:** 8-pin or 11-pin plug

**Mounting:** Socket mount, 8-pin part number MSO-0008P-012; socket mount, 11-pin part number MSO-0011P-012

#### ENVIRONMENTAL

**Storage Temperature:** -23°C to 70°C

**Operating Temperature:** -23°C to 55°C



### ORDERING INFORMATION

TIME RANGE	12 VDC DPDT RELAY 11-PIN BASE	24 VDC DPDT RELAY 11-PIN BASE	24 VAC DPDT RELAY 11-PIN BASE	120 VAC SPDT RELAY 8-PIN BASE	120 VAC DPDT RELAY 11-PIN BASE
.1 to 10 sec.	T2K-00010-466	T2K-00010-462	T2K-00010-467	T2K-00010-441	T2K-00010-461
.3 to 30 sec.	—	—	—	—	T2K-00030-461
.6 to 60 sec.	T2K-00060-466	T2K-00060-462	T2K-00060-467	T2K-00060-441	T2K-00060-461
1.8 to 180 sec.	—	—	—	—	T2K-00180-461
3 to 300 sec.	—	—	—	—	T2K-00300-461
6 to 600 sec.	—	—	—	—	T2K-00600-461
36 to 3600 sec.	—	—	—	—	T2K-03600-461

Consult factory for any special requirements not listed in catalog (minimum order requirement may apply).