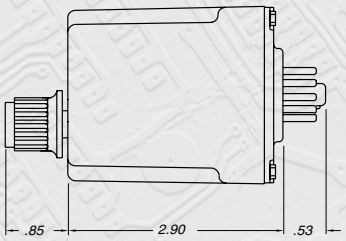
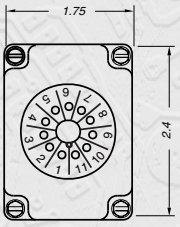
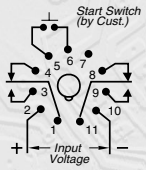
AMETEK NCC
National Controls Corp.
Phone 800-323-2593
630-231-5900
Fax 630-231-1377
Internet www.natcon.com
www.nationalcontrols.com

Features

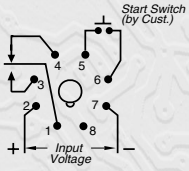
- File #E59090
- 100% Life Tested
- Digital Timing Circuit
- Time Delays To 1 Hour
- ± 1% Repeatability
- Superior Transient Protection
- Fiberglass Reinforced Circuit Board
- Internal Components Supported By Heavy-duty Chassis
- Reinforced Locator Pin
- Flame-Retardant Polycarbonate Housing
- Made in U.S.A.







PIN CONFIGURATION

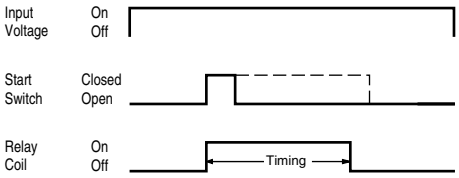


PIN CONFIGURATION
Polarity Shown is for D.C. Models

Time Delay Relays

Single Shot
T2 Series

Logic Function Diagram:



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)

Specifications

Time Delay
Adjustment: Knob, factory fixed on special order (Minimum order required)
Range: 50 mS to 1 hour in 11 ranges
Repeatability: ±1% at constant temperature
Accuracy: Maximum time -0%, +10%;
Minimum time +0%, - 50%
Reset Time: 400 milliseconds maximum

Input
Operating Voltage: 24, 120 VAC; 12, 24 VDC ± 10% (D.C. models have reverse polarity protection. Unfiltered input voltage to them must be full-wave rectified)
Start Switch Closure Time: 20 milliseconds minimum
Power Consumption: 3 VA maximum
Frequency: 50/60 Hz

Output
Type: Relay Contacts, S.P.D.T. (1 form C) or D.P.D.T.
(2 form C) Silver Cad. Oxide material
Rating: 10 amp. max. resistive at 240 volts A.C.; 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 volt timers are protected by an 8.8 joule metal oxide varistor; 120 volt timers are protected by a 30 joule metal oxide varistor
Dielectric Breakdown: 1500 VAC, RMS minimum 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

Input Voltage and Appropriate Part Numbers					
Time Range	12VDC D.P.D.T. Relay 11-Pin Base	24VDC D.P.D.T. Relay 11-Pin Base	24VAC D.P.D.T. Relay 11-Pin Base	120VAC S.P.D.T. Relay 8-Pin Base	120VAC D.P.D.T. Relay 11-Pin Base
.05-2 Seconds	✆	✆	✆	✆	T2K-00002-461
.05-5 Seconds	✆	✆	✆	✆	T2K-00005-461
.1-10 Seconds	T2K-00010-466	T2K-00010-462	T2K-00010-467	T2K-00010-441	T2K-00010-461
.3-30 Seconds	✆	✆	✆	T2K-00030-441	T2K-00030-461
.6-60 Seconds	T2K-00060-466	T2K-00060-462	T2K-00060-467	T2K-00060-441	T2K-00060-461
1.2-120 Seconds	✆	✆	✆	✆	T2K-00120-461
1.8-180 Seconds	T2K-00180-466	T2K-00180-462	T2K-00180-467	T2K-00180-441	T2K-00180-461
3-300 Seconds	✆	✆	✆	✆	T2K-00300-461
6-600 Seconds	✆	✆	✆	✆	T2K-00600-461
18-1800 Seconds	✆	✆	✆	✆	T2K-01800-461
36-3600 Seconds	T2K-03600-466	T2K-03600-462	T2K-03600-467	✆	T2K-03600-461

✆ **Call For Availability**