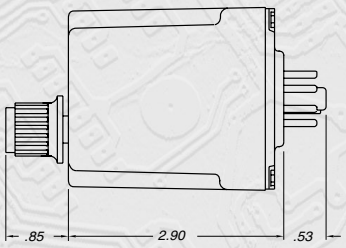
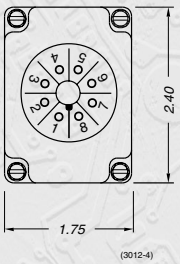
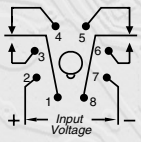
AMETEK NCC
National Controls Corp.
Phone 800-323-2593
630-231-5900
Fax 630-231-1377
Internet www.natcon.com
www.nationalcontrols.com

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 Base Locator Pin
- Flame-Retardant Polycarbonate Housing
- Made in U.S.A.







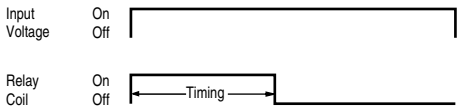
PIN CONFIGURATION
Polarity Shown is for D.C. Models

Time Delay Relays

Interval
S1 Series

Operating Logic: Upon application of voltage to the input terminals, the relay coil is activated and the timing cycle starts. At the end of the preset time delay, the relay coil is de-activated. Reset is accomplished by removal of the input voltage.

Logic Function Diagram:



Specifications

Time Delay
Adjustment: Knob, factory fixed on special order (Minimum order required)
Range: 50 mS to 1 hour in 10 ranges
Repeatability: ± 1% at constant temperature
Accuracy: Maximum time -0%, +10%;
Minimum time +0%, -50%
Reset Time: 50 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)
Power Consumption: 3 VA maximum
Frequency: 50/60 Hz

Output
Type: Relay Contacts, 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 plug-in base
Mounting:
Socket Mount - Part Number MSO-0008P-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**	**24VDC**	**24VAC**	**120VAC**
.05 -2 Seconds	✆	✆	✆	S1K-00002-461
.05 -5 Seconds	✆	✆	✆	S1K-00005-461
.1-10 Seconds	S1K-00010-466	S1K-00010-462	S1K-00010-467	S1K-00010-461
.3-30 Seconds	✆	✆	✆	S1K-00030-461
.6-60 Seconds	S1K-00060-466	S1K-00060-462	S1K-00060-467	S1K-00060-461
1.2-120 Seconds	✆	✆	✆	S1K-00120-461
1.8-180 Seconds	S1K-00180-466	S1K-00180-462	S1K-00180-467	S1K-00180-461
3-300 Seconds	✆	✆	✆	S1K-00300-461
6-600 Seconds	✆	✆	✆	S1K-00600-461
36-3600 Seconds	S1K-03600-466	S1K-03600-462	S1K-03600-467	S1K-03600-461

✆ **Call For Availability**