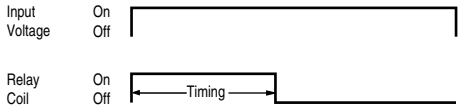
Time Delay Relays

Interval
K4 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:



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

Features

- File #E59090
- 100% Life Tested
- Digital Timing Circuit.
- Time Delays To 10 Hours *
- Compact In Size
- Spade Type Base
- Low Cost
- Wide Operating Temperature Range
- Fiberglass Reinforced Circuit Board
- Polycarbonate, 94V-2 Housing Material
- Made in U.S.A.

Specifications

Time Delay
Adjustment: Knob, factory fixed on special order (Minimum order required)
Range: 50 mS to 1 Hour in 10 ranges *
Repeatability: ± .5% at constant temperature and reset time, but not less than 16 mS.
Accuracy: Max. Time +(10%, +20mS) / -0%
Min. Time -50% / +(0%, +20mS)
Reset Time: 80 milliseconds max.

Input
Operating Voltage: 120 VAC ± 10%
Power Consumption: 3 VA maximum
Frequency: 50/60 Hz

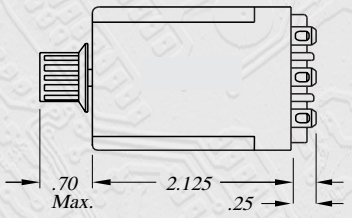
Output
Type: Relay Contacts, D.P.D.T (2 form C)
Silver Cad. Oxide material
Rating: 10 amp. max. resistive at 240 volts A.C.; 100 mA at 5 VDC min. load current
Life: Mechanical - 1,000,000 operations
Full Load -150,000 operations

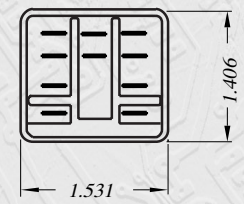
Protection
Transient Voltage: Timers are protected by a 5 joule metal oxide varistor.
Dielectric Breakdown: 1500 VAC, RMS minimum at 60 Hz between input and outputs and between outputs

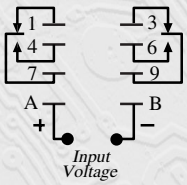
Mechanical
Termination: Spade (.187"x.020" terminal) type plug-in base
Mounting:
Socket Mount - Part Number MSO-00KUP-012

Environmental
Storage Temperature: -23°C to 70°C
Operating Temperature: -23°C to 55°C

Due to a redesigned digital timing circuit, the K4 Series now offers a greater time range capability; up to 10 hours. Consult factory for details.







Polarity Shown is for D.C. Models

Ordering Information

Input Voltage and Appropriate Part Numbers				
Time Range	**12VDC**	**24VDC**	**24VAC**	**120VAC**
.05 -1 Seconds	✆	✆	✆	K4K-00001-661
.05 -5 Seconds	✆	✆	✆	K4K-00005-661
.1-10 Seconds	✆	✆	✆	K4K-00010-661
.3-30 Seconds	✆	✆	✆	✆
.6-60 Seconds	✆	✆	✆	K4K-00060-661
1.2-120 Seconds	✆	✆	✆	✆
1.8-180 Seconds	✆	✆	✆	✆
3-300 Seconds	✆	✆	✆	K4K-00300-661
6-600 Seconds	✆	✆	✆	K4K-00600-661
36-3600 Seconds	✆	✆	✆	K4K-03600-661

✆ **Call For Availability**