



Delay On Break (Retriggerable)

K3 Series

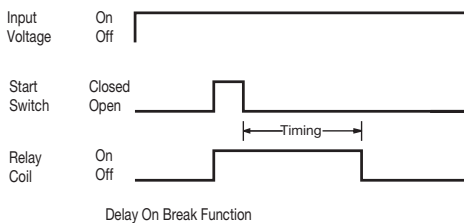
FEATURES

- 100% functionally tested
- No false contact transfer when reset during timing
- Digital timing circuit
- Time delays to 5 minutes
- Low cost
- Compact size
- Spade type base
- Wide operating temperature range
- Fiberglass reinforced circuit board
- Polycarbonate, 94V-2 housing material
-   File #E59090

Operating Logic: Input voltage is applied to the timer at all times. Upon a closure of a normally open isolated start switch, the output relay is activated and remains so as long as the switch is kept closed. When the start switch is opened, timing starts. At the end of the preset time delay, the output relay is deactivated 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; 3) If the start switch is re-closed during timing, the timer will reset and will not start timing until start switch is opened (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 5 min. in 3 ranges

Repeatability: $\pm 3\%$ at constant temperature

Accuracy:

Maximum time: $+10\%/-0\%$

Minimum time: $-50\%/+0\%$

Reset Time: 150 ms max.

Start Switch Closure Time: 50 ms to initiate timing; 100 ms to reset delay during timing

INPUT

Operating Voltage: 120 VAC $\pm 10\%$

Power Consumption: 3 VA max.

Frequency: 50/60 Hz

OUTPUT

Type: Relay contacts, 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: 120 V timers are protected by a 5 joule metal oxide varistor

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

MECHANICAL

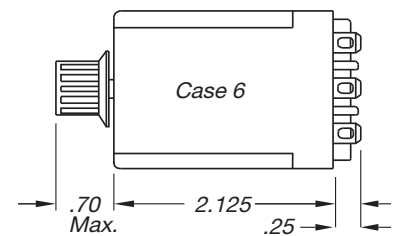
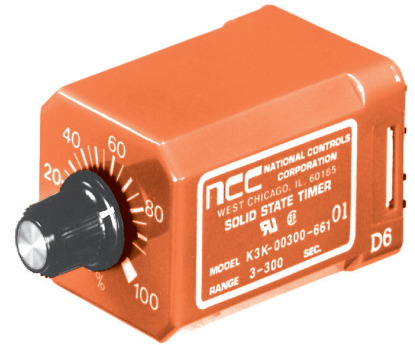
Termination: Spade (.187" x .020" terminal) type plug-in base

Mounting: Socket mount, part number MSO-00KUP-012

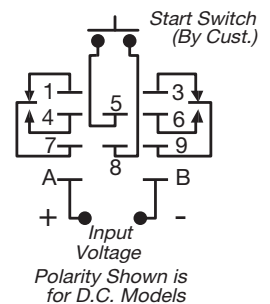
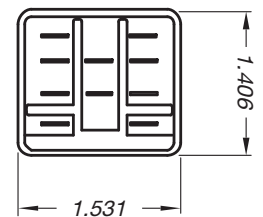
ENVIRONMENTAL

Storage Temperature: -23°C to 70°C

Operating Temperature: -23°C to 55°C



(3021-4)



ORDERING INFORMATION

| TIME RANGE | 120 VAC |
|---------------|---------------|
| .1 to 10 sec. | K3K-00010-661 |
| .6 to 60 sec. | K3K-00060-661 |
| 3 to 300 sec. | — |

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