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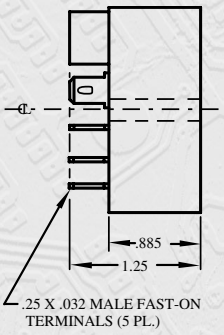
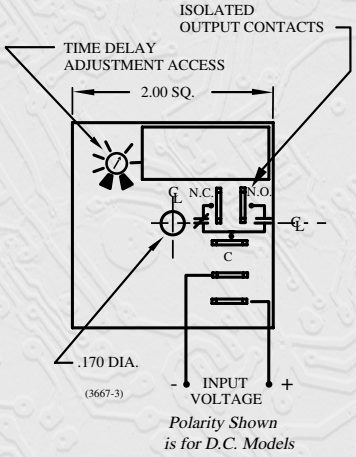
www.nationalcontrols.com

Features

- File #E65038
- Time Delays To 10 Hours Standard
- Solid-State Digital Timing
- 100% Life Tested
- 20:1 Maximum To Minimum Timing Ratio
- Sealed S.P.D.T. Output Contacts
- Compact Size
- Superior Transient Protection
- Epoxy Encapsulated
- Flame-Retardant and Solvent-Resistant Polyester Thermoplastic Housing
- Trimpot On-Board with Sealed Cermet Element
- Made in U.S.A.





Polarity Shown is for D.C. Models

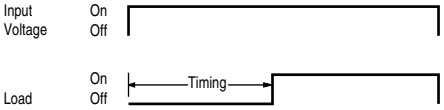
Time Delay Cube Relays

Delay On Make

(Relay Output)

Q1T Series

Logic Function Diagram:



Operating Logic: Upon application of voltage to the input terminals L1, L2, the time delay is initiated. At the end of the preset time delay, the relay coil is energized and the contacts transfer. Reset is accomplished by removing voltage from the input terminals.

Specifications

Time Delay

Adjustment: On-board trimpot
Range: 50 mS to 10 hours in 9 ranges
Repeatability: ±.5% maximum (0.25% typ.) at constant temperature
Accuracy: Maximum time +10%, -0%;
Minimum time -30%, +0%
Reset Time: .25 seconds maximum, by removal of the input voltage

Input

Operating Voltage: 120 volts A.C. ±10%
Power Consumption: 3.5 VA maximum
Frequency: 50/60 Hz

Output

Type: Relay Contacts, S.P.D.T. (1 form C)
Silver Cad. Oxide material
Rating: 8 amp. max. resistive at 250 VAC & 30 VDC;
100 mA at 5 VDC minimum load current
Life: Mechanical -10,000,000 cycles
Electrical - 100,000 minimum at full load

Protection

Transient Voltage: 1000 P.I.V. components used
Isolation Resistance: 100 megohms minimum between terminals and case
Dielectric Breakdown:
3000 VAC, RMS, terminals to mounting;
1500 VAC, RMS, input to output

Mechanical

Termination: .25" x.032" male fast-on terminals
Mounting: Surface mount with one #8 screw

Environmental

Storage Temperature: -40°C to 70°C
Operating Temperature: -40°C to 70°C
Humidity: 95% relative

Ordering Information

Input Voltage and Appropriate Part Numbers				
Time Range	12 VDC ± 10%	24 DC ± 10%	24 VAC ± 10%	120 VAC ± 10%
.05-1 Second	✆	✆	✆	Q1T-00001-341
.25-5 Seconds	✆	✆	✆	Q1T-00005-341
.5-10 Seconds	✆	✆	Q1T-00010-347	Q1T-00010-341
3-60 Seconds	Q1T-00060-346	✆	✆	Q1T-00060-341
15-300 Seconds	Q1T-00300-346	✆	✆	Q1T-00300-341
30-600 Seconds	✆	✆	✆	Q1T-00600-341
180-3600 Seconds	✆	✆	✆	Q1T-03600-341
.25-5 Hours	✆	✆	✆	Q1T-18000-341
.5-10 Hours	✆	✆	✆	Q1T-36000-341

✆ **Call For Availability**