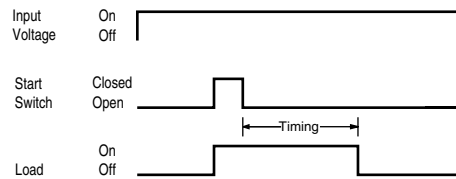


Features

- File #E65038
- Time Delays To 10 Hours Standard
- 100% Life Tested
- Solid-State Digital Timing
- 20:1 Maximum To Minimum Timing Ratio
- Cost Efficient 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.



Logic Function Diagram:



Solid-State Cube Timers

Delay On Break (Retriggerable)

Q3T Series

Operating Logic: Input voltage is applied to the timer at all times. Upon closure of a normally open isolated start switch, the load is energized and remains in this state 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 de-energizes and the unit is ready for a new cycle. (Start switch supplied by customer.)

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 the start switch is opened.

Specifications

Time Delay Adjustment: On-board trimpot
Range: 50 mS to 10 hours in 9 ranges
Repeatability: ±.5% + 8 mS maximum (0.25% typ) at constant temperature
Accuracy: Maximum time +10%, -0%
 Minimum time -30%, +0%
Reset Time: .5 seconds maximum by removal of the input voltage

Protection
Transient Voltage: 30 joule metal oxide varistor
Dielectric Breakdown: 3000 VAC, RMS, terminals to mounting
Isolation Resistance: 100 megohms minimum between terminals and case

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

Environmental
Storage Temperature: -40°C to 85°C
Operating Temperature: -40°C to 65°C
Humidity: 95% relative

Input
Operating Voltage: 120 VAC ± 10%
Frequency: 50/60 Hz
Output
Type: Solid-state normally open
Rating: 1 amp, resistive or inductive
Life: 100,000,000 cycles

Ordering Information

Time Range	Input Voltage and Appropriate Part Numbers			
	12 VDC ± 10%	24 VAC/DC ± 10%	120 VAC ± 10%	240 VAC ± 10%
.05-1 Second	⓪	⓪	Q3T-00001-321	⓪
.25-5 Seconds	⓪	⓪	Q3T-00005-321	⓪
.5-10 Seconds	⓪	⓪	Q3T-00010-321	⓪
3-60 Seconds	⓪	⓪	Q3T-00060-321	⓪
15-300 Seconds	⓪	⓪	Q3T-00300-321	Q3T-00300-325
30-600 Seconds	⓪	⓪	Q3T-00600-321	⓪
180-3600 Seconds	⓪	⓪	Q3T-03600-321	⓪
.25-5 Hours	⓪	⓪	Q3T-18000-321	⓪
.5-10 Hours	⓪	⓪	Q3T-36000-321	⓪

Trigger Time (Start Sw. Closure)	-	-	20 mS	-
Reset Time	-	-	500 mS	-
Min. Load	-	-	2 mA	-
Max. Leakage Current	-	-	200 uA	-
Voltage Drop @ 1A	-	-	3.3 V Max.	-
Power Consumption	-	-	4.3 VA Max.	-
Peak 1 Cycle Surge	-	-	20 Amp	-
Protection	-	-	30j. MOV	-

☎ Call For Availability

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