AGASTAT®

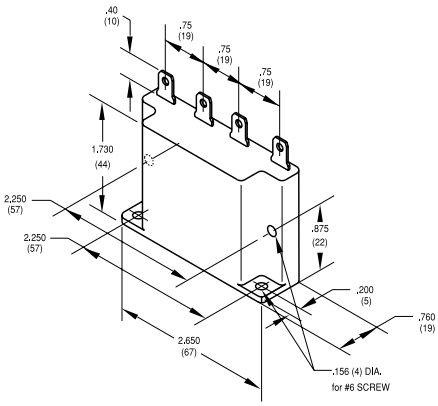
Cube Timers – Series VTM-1 Specification Grade Timing Modules

DESIGN FEATURES

VTM-1

- On-Delay operating mode
- Timing from 1 to 1000 seconds
- 1A Solid State SPNO output
- Quick connect 1/4" terminals
- Universal voltage: 24 to 240 VAC/DC or 12 VDC
- Rated to 10 million operations

SPECIFICATIONS



Operating Mode: Type 1: On-Delay. VTM-1 in-line timing module is wired in series with the load circuit. Time delay is initiated when power is applied to the series network. Connecting a resistor across the center terminals provides tamper-proof setting of time delay from 1-1000 seconds (VTM-1).

Timing Adjustment: Time delay is set by connecting an appropriately rated resistor or potentiometer between the center two terminals. As supplied, the unit provides a nominal 1 second delay. Add 10k Ω of resistance for every additional second of delay required. For example: 5 seconds = 40kΩ 10 seconds = 90kΩ

Timing Ranges: 1-1000 sec. (VTM-1)

Accuracy: Repeat Accuracy: ±2%

Reset Time: 0.1 second maximum, in the timing or timed-out condition.

Operating Voltage: 24 to 240V AC/DC or 12 VDC (VTM-1) 19-288 VAC/DC.

Current Drain: Current required to operate timer regardless of output state. 2mA (max).

Transient Protection: MOV across input 2000 Volts for 11 microseconds on line side of load.

Maximum Load Leakage: 4 mA RMS

Inrush: Not to exceed 10 amps for 1 cycle.

Output: Solid state SPNO, 1A inductive at nominal operating voltage.

Life: 10,000,000 operations at rated load.

Temperature Range:

Operating: -22°F to +150°F (-30°C to +65°C)
Storage: -40°F to +185°F (-40°C to +85°C)

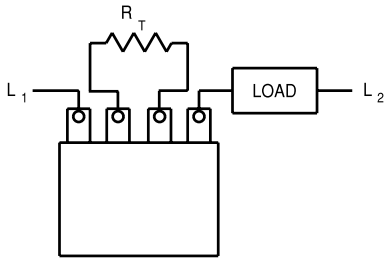
Mounting: Screw-mounted in horizontal or vertical position, through built-in mounting ears.

Terminals: Quick-connect terminals (1/4") for input line, load output, and timing resistor connection.

Dielectric Withstand: 1480 VAC for 1 minute between active terminals and outside of case.

Power Consumption: 3 watts max.

Approximate Weight: 3 ounces (84 grams)



Note:
1. Do not operate timer without connecting load in series with line voltage.
2. For a time delay of 1 second connect a jumper across the center two terminals.

ORDERING INFORMATION

VTM — **Series VTM-1**
Miniature Timing Module

-1 — **Operating Mode**
-1 - On-Delay (24-240 VAC/DC)
-1-12D - On-Delay (12 VDC)

Potentiometer Available See Page 28.

Note: VTM-1 - 12D is not UL reocgnized.

File No. E60363

File No. LR51332

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Specifications subject to change
Dimensions are for reference only.

Technical Support Center 1-800-522-6752
www.tycoelectronics.com