



VTM-1 series

Specification Grade, On-Delay Timing Module

- On-delay timing mode
- Timing from 1 to 1000 sec.
- 1A solid state SPST-NO output
- 0.25" (6.35) quick connect terminals
- Universal voltage: 24 to 240VAC/VDC
- Rated to 10 million operations

File E60363

File LR51332

Users should thoroughly review the technical data before selecting a product part number. It is recommended that user also seek out the pertinent approvals files of the agencies/laboratories and review them to ensure the product meets the requirements for a given application.

Timing Mode

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 sec.

Timing Specifications

Timing Ranges: 1 to 1,000 sec.

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 ohm of resistance for every additional second of delay required. For example: 5 seconds = 40k ohms; 10 seconds = 90k ohms.

Accuracy: Repeat Accuracy: ±2%

Reset Time: 100 ms, max., in the timing or time-out condition.

Output Switch Data

Arrangement: 1 Form A (SPST-NO).

Rating: 5A, inductive, at nominal operating voltage.

Inrush: Not to exceed 10A for one cycle.

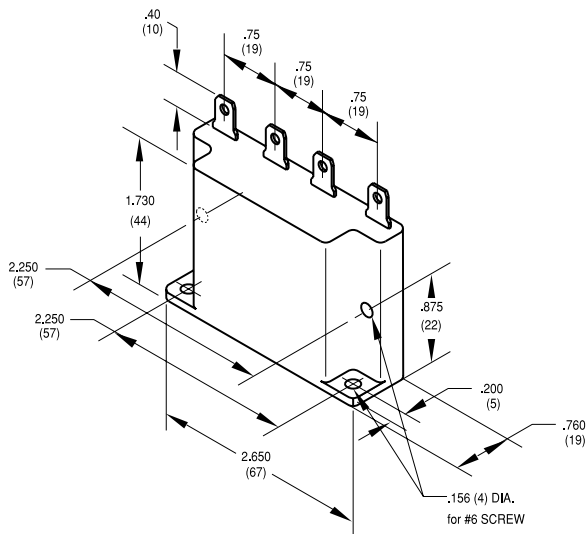
Max. Leakage Current: 4mA rms.

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

Initial Dielectric Strength

Between Active Terminals and Outside of Case: 1,480VAC for one min.

Outline Dimensions



Input Data @ 25°C

Operating Voltage: Universal: 24-240VAC/VDC (19-288VAC/VDC).

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

Power Requirement: 3W, max.

Transient Protection: MOV across input 2,000V for 11µs on line side of load.

Environmental Data

Temperature Range: Storage: -40°C to +85°C.

Operating: -30°C to +65°C.

Mechanical Data

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

Termination: 0.250 in (6.35) quick connect terminals for input line, load output and timing resistor connection.

Weight: 3 oz. (84g) approximately.

Ordering Information

Part Number	Mode	Input Voltage
VTM-1	On-Delay	24-240VAC or VDC

Authorized distributors are likely to stock the following:

VTM-1

Wiring Diagram

Notes:

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.

