



VTMA1 series

On-Delay Timing Module With Internal Potentiometer

- On-delay timing mode
- Discrete voltage or universal type.
- Internal potentiometer for timing adjustment.
- Reliable solid state timing circuitry.
- Excellent transient protection.
- Flame retardant, solvent resistant housing.

File E60363

File LR33434

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.

Timing Specifications

Timing Ranges: VMTA1ULA only: 24 to 480 sec.
All others: 0.5 to 10 / 3 to 60 / 15 to 300 sec.; 3 to 60 min.

Timing Adjustment: Internal potentiometer.

Accuracy: Repeat Accuracy: $\pm 5\%$

Overall Accuracy: Max. Time: -0% , $+10\%$.
Min. Time: -30% , $+10\%$.

Reset Time: 250 ms, max., before time-out; 10 ms, max., after time-out.

Output Switch Data

Arrangement: Solid state 1 Form A (SPST-NO).

Rating: 1A, inductive, at nominal operating voltage.

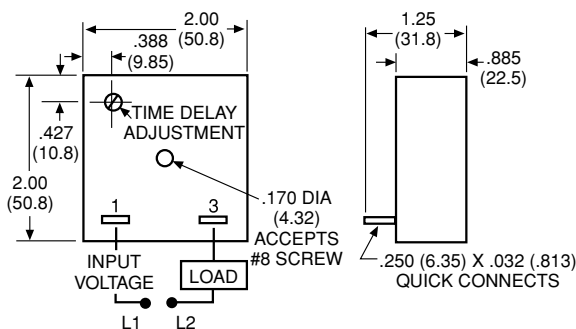
Expected Electrical Life: 10,000,000 operations at rated load.

Initial Dielectric Strength

Between Terminals and Mounting: 3,000VAC rms.

Between Input and Output: 1,500VAC rms.

Outline Dimensions and Wiring Diagram



Input Data @ 25°C

Voltage: $\pm 10\%$ 120VAC/VDC (unfiltered DC must be full-wave rectified) or 24 to 240 VAC/VDC.

Power Requirement: 250mW during timing; 3W, max. after time out.

Transient Protection: Non-repetitive transients of the following magnitudes will not cause spurious operation of affect function and accuracy.

| Operating Voltage | <0.1 ms | <1 ms |
|-------------------|---------|---------|
| 24 VAC/VDC | 860V* | 208V* |
| 120/240 VAC/VDC | 2,580V | 2,150V* |

* Min. source impedance of 100 ohms.

Current Drain: 2mA, Max.

Environmental Data

Temperature Range: Storage: -40°C to $+85^{\circ}\text{C}$.

Operating: -40°C to $+65^{\circ}\text{C}$.

Mechanical Data

Mounting: Panel mount with one #8 screw.

Termination: 0.250 in (6.35) quick connect terminals.

Weight: 4 oz. (112g) approximately.

Ordering Information

| Part Number | Time Range | Input Voltage |
|-------------|----------------|------------------|
| VTMA1ACA | 0.5 to 10 sec. | 120VAC or VDC |
| VTMA1ADA | 3 to 60 sec. | |
| VTMA1ACA | 24 to 480 sec. | 24-240VAC or VDC |

Authorized distributors are likely to stock the following:

None at present.