



# 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: ±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.

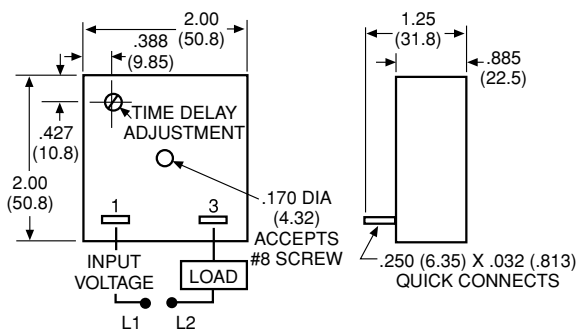
**Expected Electrical Life:** 10,000,000 operations at rated load.

### 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:** ±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°C.

Operating: -40°C to +65°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.