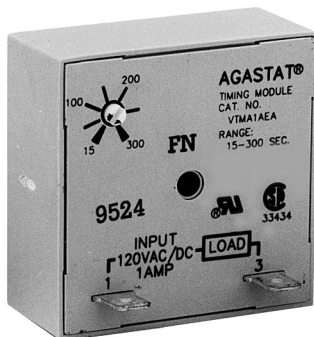


VTMA1 Series, On-Delay Timing Module, With Internal Potentiometer



Product Facts

- 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



Timing Specifications

Timing Mode — On-Delay

Timing Ranges —

VTMA1ULA 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 — $\pm 5 + 8$ MS max (0.25% typical) at constant temperature for a load of 10 mA to 1A

Max. Time: -0%, +10%.

Min. Time: -30%, +10%.

Reset Time — 125 ms, max., before time-out; 10 ms, max., after time-out.

Output Switch Data

Arrangement — Solid state 1 Form A (SPST-NO)

Rating — 1A AC/DC (resistive/inductive)

Expected Electrical Life — 100,000,000 operations at rated load.

Initial Dielectric Strength — Between Terminals and Mounting — 3,000VAC rms.

Between Input and Output — 1,500VAC rms.

Input Data @ 25°C

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

Power Requirement — 0.5VA during timing; 3VA, max. after time out.

Transient Protection — Non-repetitive transients of the following magnitudes will not cause spurious operation of affect function and accuracy. Line voltage with high inductive voltage noise could affect timer performance. Adding transorb or MOV at noise source is recommended.

Example: Contactor coils, motor

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

* Min. source impedance of 100 ohms.

Environmental Data

Temperature Range —

Storage — -40°C to +85°C

Operating — -40°C to +60°C

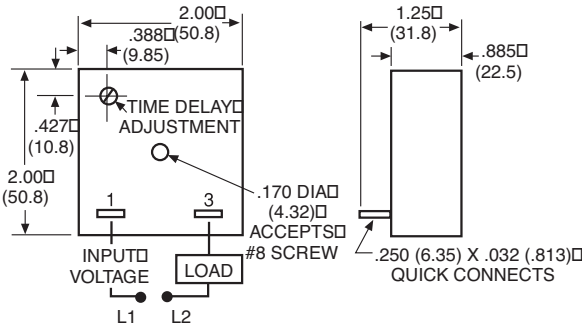
Humidity — 95% relative

Mechanical Data

Mounting — Panel mount with one #8 screw.

Termination — 0.250 in (6.35) quick connect terminals.

Weight — 4 oz. (112g) approximately



Outline Dimensions and Wiring Diagram

Ordering Information

Part Number	Time Range	Input Voltage
VTMA1ACA	0.5 to 10 sec.	120VAC
VTMA1ADA	3 to 60 sec.	
VTMA1ULA	24 to 480 sec.	24-120VAC

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.

Authorized distributors are likely to stock the following:

None at present.

X-ON Electronics

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