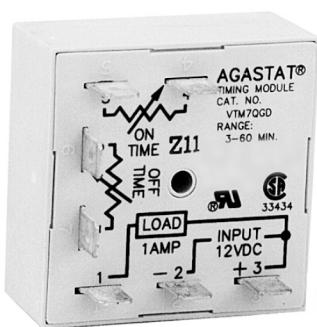


VTM7 Series, Repeat Cycle, Timing Module



Product Facts

- Repeat cycle timing mode
- Independently adjustable On and Off times
- Reliable solid state timing circuitry
- Excellent transient protection
- Compact design
- Flame retardant, solvent resistant housing
- File E60363, File LR33434



Timing Specifications

Timing Mode — Repeat Cycle

Timing Ranges — 0.5 to 10 / 3 to 60 sec.; 3 to 60 min.

Timing Adjustment — External resistor or potentiometer. An external resistance of 1 megohm is required to obtain the maximum time for all ranges. To determine the actual resistance needed to obtain the required time delay, use the following formula:

$$R_T = \frac{(T_{REQ} - T_{MIN})}{T_{MAX} - T_{MIN}} \times 1,000,000 \text{ ohms}$$

Accuracy —

 Repeat Accuracy — $\pm 1\%$
 Overall Accuracy — $\pm 2\%$ at
 $R = 1 \text{ megohm}$

Reset Time — 500 ms

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.

Input Data @ 25°C

 Voltage ($\pm 10\%$) — 12 VAC/VDC, 24VAC/VDC, 120 VAC/VDC.

Power Requirement — 4W with rated load

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
12, 24 VAC/VDC	860V*	208V*
120 VAC/VDC	2,580V	2,150V*

* Min. source impedance of 100 ohms.

Current Drain — Less than 5mA.

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

