VTM2 Series, Off-Delay, Timing Module

AGASTAT® CAT NO. 20GD

Product Facts

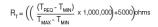
- Off-delay timing mode
- Reliable solid state timing circuitry
- Excellent transient protection
- Compact design
- Flame retardant, solvent resistant housing
- File E60363, File LR33434



Timing Specifications

Timing Mode — Off-Delay Timing Ranges - 0.5 to 10 / 3 to 60 sec.; 3 to 60 min.

Timing Adjustment — External resistor. 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:



Accuracy —

(0.25% typical) at constant temperature for load of 10mA to 1A Maximum Time: ±2% at Rt = 1 meg ohms Minimum Time: +0%, -30% at Rt = 0 ohms

2.00口

.170 DIA (4.32) ACCEPTS #8 SCREW

6

5

4 II

(50.8)

Repeat Accuracy — ±0.5% +8ms max

Reset Time — 300 ms, max.

2.00

(50.8)

2

0

Output Switch Data

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

Rating — 1A steady state 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.

.885

(22.5)

.250 (6.35) X .032 (.813) QUICK CONNECTS

Operating Voltage	<0.1 ms	<1 ms
12, 24 VAC/VDC	860V*	208V*
120 VAC	2,580V	2,150V*

* Min. source impedance of 100 ohm.

Environmental Data

Input Data @ 25°C

is recommended.

24VAC/VDC, 120 VAC

Transient Protection -

Line voltage with high inductive voltage

Adding transorb or MOV at noise source

noise could affect timer performance.

Example: Contactor coils, motor

Voltage (±10%) — 12 VAC/VDC,

Power Requirement — 4.3VA max

Non-repetitive transients of the following magnitudes will not cause spurious

operation of affect function and accuracy.

Temperature Range

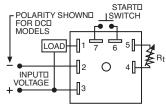
Storage — -40°C to +85°C Operating — -40°C to +60°C Humidity - 95% relative

Mechanical Data

Mounting — Panel mount with one #8 screw.

Termination — 0.250 in (6.35) quick connect terminals.

Weight — 4 oz. (112g) approximately Note: Please check the weight and update accordingly.



Wiring Diagram

times:

1.250

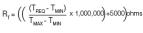
(31.8)

0

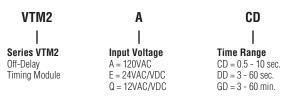
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Outline Dimensions



Ordering Information



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.



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, for time between max and min

$(T_{REQ} - T_{MIN}) \times 1,000,000 + 5000)$ ohms

Note: Due to component tolerances, actual time obtained will normally be within 5% of desired time.