G Series TDR

... Hermetically sealed
... Delay on Make or Delay on Break timing modes
... Thermal device
... 3 AMP rating
... 1 - 115V input voltage range - works on AC or DC
... Isolated output contacts
... Fixed delay times only
... Initial and reset (release) delay device
... Long life
... UL File #E96739 (M)

Timing Mode:
Timing cycle begins upon application of power to the heater terminals. At the end of the initial delay time the relay contacts transfer and remain in a transferred state until input power is removed. When the heater input power is removed, the contacts transfer back to their original state at the end of a reset (release) delay period.

Timing Diagram:

Contact Information:
Arrangement: 1 form A (SPST - Normally open) - Delay on Make
1 form B (SPST - Normally closed) - Delay on Break
Contact Material: Silver - Cadmium Oxide
Rating (Resistive): 3A @ 115V AC
Expected Life @ 25°C: 500,000 operations minimum at rated loads

Environmental Information:
Temperature Range: Operating & storage: -55°C to +80°C, (-67°F to +176°F)

Mechanical Information:
Termination & Enclosure: Octal style, or 9-pin miniature style glass envelope. See Diagram A & B.
Weight: 1 oz. (28g)

Outline Dimensions:
Timing Specifications:
Timing - Fixed: 1 through 300 secs. (octal style) or 1 - 120 secs. (9-pin miniature style)
Timing Tolerance: ±20% - Tighter tolerances are available.
Repeatability: ±5%
Release Time: Contact factory
Timing Cycle Interrupt Transfer: none

Initial Dielectric Strength:
1-10 Second Type: Between open contacts: 250V RMS; Between contacts & coil: 500V RMS
15 - 300 Second Type: Between open contacts: 800V RMS; Between contacts & coil: 500V RMS

Input Information:
Voltage: AC or DC - 6V, 12V, 26V, 50V and 115V. Other voltages are available.
Power Requirement: 2.0 Watts approx.
Transient Protection: impervious to transients
Polarity Protection: None required

Input Voltages & Limits:

<table>
<thead>
<tr>
<th>Nominal</th>
<th>Minimum</th>
<th>Maximum</th>
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<tbody>
<tr>
<td>6V AC/DC</td>
<td>4V</td>
<td>8V</td>
</tr>
<tr>
<td>12V AC/DC</td>
<td>10V</td>
<td>14V</td>
</tr>
<tr>
<td>26V AC/DC</td>
<td>22V</td>
<td>30V</td>
</tr>
<tr>
<td>50V AC/DC</td>
<td>42V</td>
<td>58V</td>
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</tbody>
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Wiring Diagrams:

<table>
<thead>
<tr>
<th>Base Wiring 9-Pin Miniature</th>
<th>Base Wiring Standard Octal</th>
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</thead>
<tbody>
<tr>
<td>Pins 1 &amp; 6: Heater</td>
<td>Pins 2 &amp; 3: Heater</td>
</tr>
<tr>
<td>Pins 3 &amp; 4: First Contact</td>
<td>Pin 5: First Contact</td>
</tr>
<tr>
<td>Pins 8 &amp; 9: Second Contact</td>
<td>Pin 7: Second Contact</td>
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Ordering Information:
Definition of a part number for the Amperite G Series Time Delay Relay.
Example:

```
    115  NO  60  T
     ↑  ↑  ↑  ↑
     A  B  C  D
```

A: Denotes nominal Input voltage. Voltages Available: 6, 12, 26, 50 & 115V AC/DC. Custom Voltages are available.

B: Denotes contact form:
NO = normally open (Delay on Make) -1 form A - SPST
C = normally closed (Delay on Break) -1 form B - SPST

C: Denotes timing value: Factory preset time delays from 1 - 300 secs. are available (octal style) and 1 - 120 secs. (9-pin miniature style)

D: Denotes type of glass envelope: Blank = octal style. T = 9-pin miniature style.
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