



Solving your relay requirements since 1922

Amperite Co.

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## G Series TDR

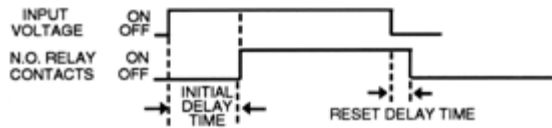


- ... Hermetically sealed
- ... Delay on Make or Delay on Break timing modes
- ... Thermal device
- ... 3 AMP rating
- ... 1 - 115V input voltage range - works on AC or DC
- ... Isolated output contacts
- ... Fixed delay times only
- ... Initial and reset (release) delay device
- ... Long life
- ...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

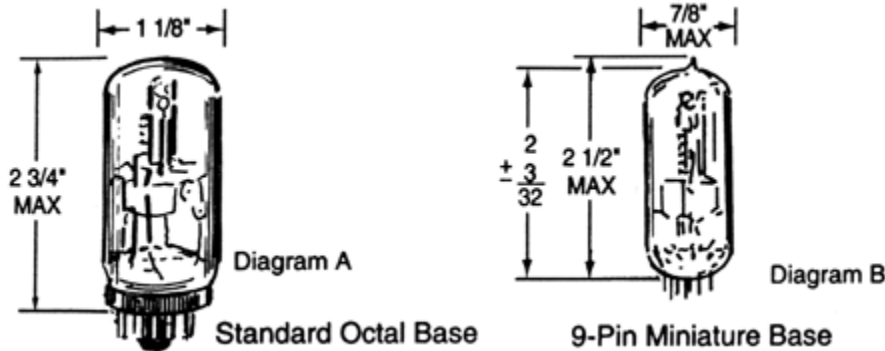
### Outline Dimensions:



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**Timing Specifications:**

Timing - Fixed: 1 through 300 secs. - (octal style) or 1 - 120 secs. (9-pin miniature style)

Timing Tolerance:  $\pm 20\%$  - Tighter tolerances are available.

Repeatability:  $\pm 5\%$

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:**

Nominal	Minimum	Maximum
6V AC/DC	4V	8V
12V AC/DC	10V	14V
26V AC/DC	22V	30V
50V AC/DC	42	58V



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115V AC/DC

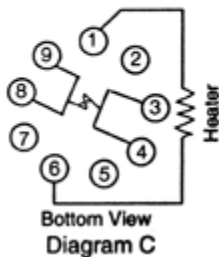
90V

130V

### Wiring Diagrams:

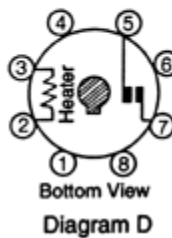
#### Base Wiring 9-Pin Miniature

Pins 1 & 6 - Heater  
Pins 3 & 4 - First Contact  
Pins 8 & 9 - Second Contact



#### Base Wiring Standard Octal

Pins 2 & 3 - Heater  
Pin 5 - First Contact  
Pin 7 - Second Contact



### 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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