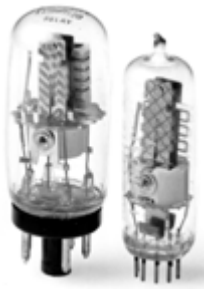
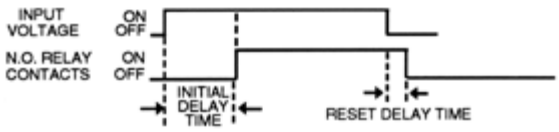
G Series TDR



… 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:

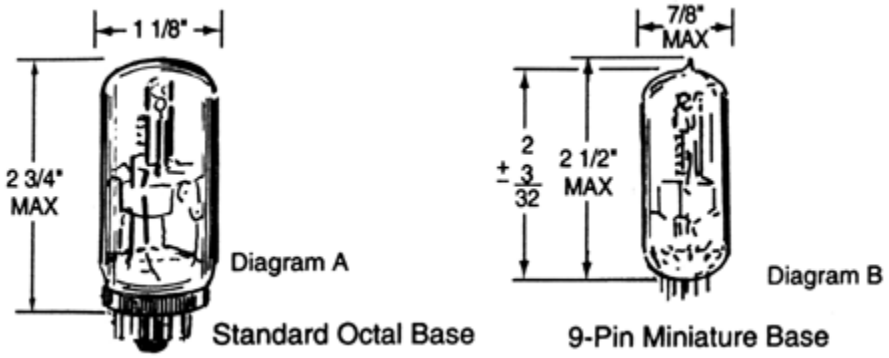


Contact Information:
Arrangement: 1 form A (SPST - Normally open) - Delay on Make
1 form B (SPST - Normally closed) - Delay on Break
Contact Material: Silver - Cadmium Oxide
Rating (Resistive): 3A @ 115V AC
Expected Life @ 25°C: 500,000 operations minimum at rated loads

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:

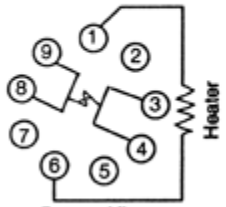
Nominal	Minimum	Maximum
6V AC/DC	4V	8V
12V AC/DC	10V	14V
26V AC/DC	22V	30V
50V AC/DC	42	58V

Amperite Co.
(800) 752-2329
www.Amperite.com

115V AC/DC	90V	130V

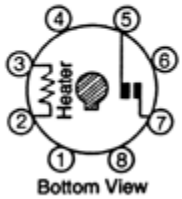
Wiring Diagrams:

Base Wiring 9-Pin Miniature
Pins 1 & 6 - Heater
Pins 3 & 4 - First Contact
Pins 8 & 9 - Second Contact



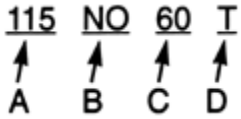
Bottom View
Diagram C

Base Wiring Standard Octal
Pins 2 & 3 - Heater
Pin 5 - First Contact
Pin 7 - Second Contact



Bottom View
Diagram D

Ordering Information:
Definition of a part number for the Amperite G Series Time Delay Relay.
Example:



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.