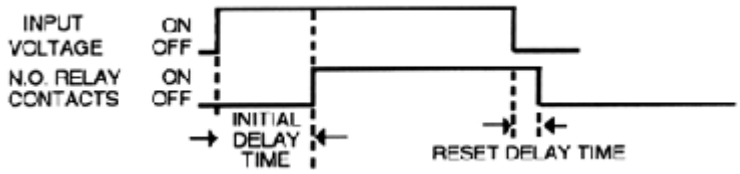
B Series TDR

… Delay on Make or Delay on Break timing modes
… Thermal device
… 3 AMP rating
… Low cost
… 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)
… CSA Rile #LR62586

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:



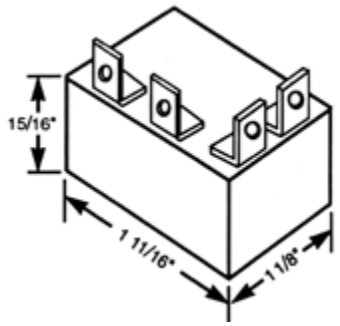
Contact Information:
Arrangement:
1 form A (SPST - Normally open) - Delay on Make
1 form B (SPST - Normally closed) - Delay on Break
Contact Material: Silver - Cadmium Oxide
Rating (Resistive): 3A @ 115V AC
Expected Life @ 25° C: 500,000 operations minimum at rated loads

Environmental Information:
Temperature Range: Operating & storage: -34° C to +77° C,
(-30° F to +171° F)

Mechanical Information:
Termination: .110 inch (standard), .250 inch or screw terminals (optional).
Enclosure: Black plastic case.

Mounting: Single screw or optional 2-screw panel mount
Weight: 0.8 oz. (239g.) approx.

Outline Dimensions:



Timing Specifications:
Timing - Fixed: 2 through 300 secs.
Timing Tolerance: ±20% - Tighter tolerances are available.
Repeatability: ±5%
Release Time - Fixed: Varies with initial delay - contact factory
Timing Cycle Interrupt Transfer: none

Initial Dielectric Strength:
Between open contacts: 500V RMS
Between contacts & Coil: 500V RMS

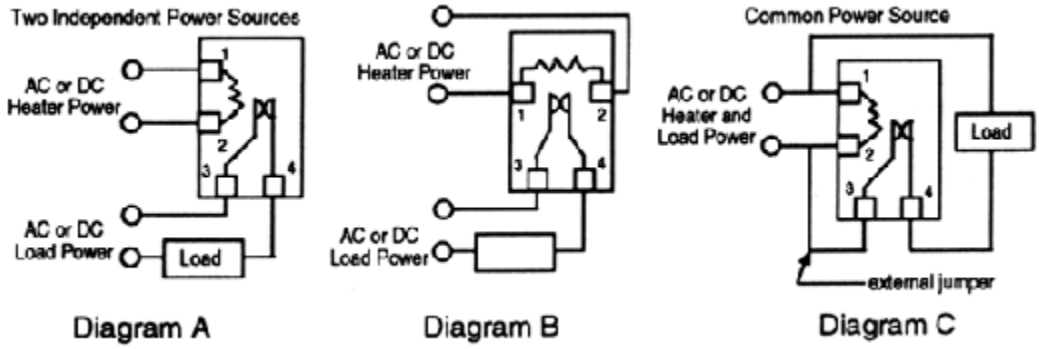
Input Information:
Voltage: AC or DC - 6V, 12V, 26V, 50V and 115V (Other voltages are available)
Power Requirement: 2.3 Watts
Transient Protection: impervious to transients
Polarity Protection: None required

Input Voltages & Limits:

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

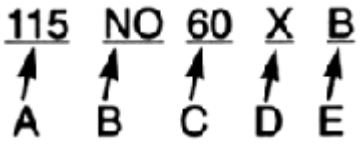
115V AC/DC	90V	130V

Wiring Diagrams:



Ordering Information:

Definition of a part for the Amperite B 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 2 - 300 secs. are available. Note: Contact factory for release (reset) time.

D: Denotes form of termination:
Blank = .110 male electro-plate solder terminals (standard).
X = .250 male quick connect terminals (optional).

S = screw temminals (optional).

E: Denotes use of thermal technology of B Series.

Solving Your Relays Requirements Since 1922