

**AMPERITE CO.**

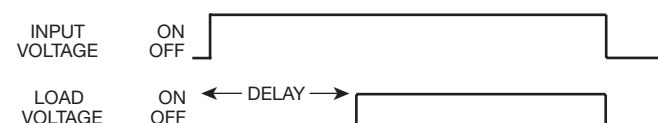
(201) 864-9503 • (800) 752-2329 • Fax: (201) 864-3955
 E-Mail: info@amperite.com • Web site: www.amperite.com

ST1D**ST1D Series Solid State Delay-On-Make Timer**

- 100% Solid State Circuitry – no moving parts
- CMOS digital circuitry
- Adjustable delay by means of a 10 position DIP switch
- 3 ampere continuous load current
(10 amperes available; consult factory)

**TIMING MODE:**

Delay on operate begins upon application of input power. The load is energized at the end of the delay period and remains so until input power is removed.

TIMING DIAGRAM:**CONTACT INFORMATION:**

Solid state switching device 1 form A; normally open series connection. Continuous current rating 3 amperes. Maximum inrush 20 amperes. Voltage drop 2.5 volts RMS or less @ 3 amperes. (For 10 ampere load current rating consult factory).

NOTE: Maximum current rating for 110V DC is 2 amperes (heat sink required).

TIMING SPECIFICATIONS:

Two timing ranges available:
 .2 to 102.3 seconds in increments of 0.1 second and
 1 to 1023 seconds in increments of 1 second.

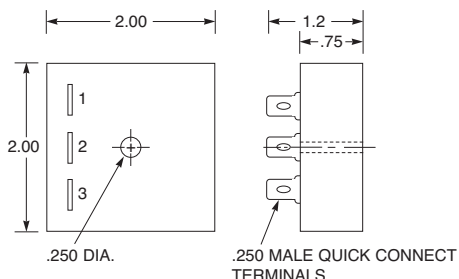
Custom timing available.

Timing adjustment by means of a 10 position DIP switch encoded in binary format (1, 2, 4, 8, etc.)

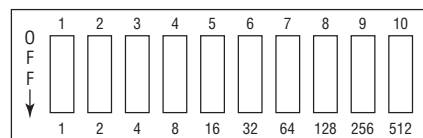
Timing accuracy: +/- 5% plus 1/2 increment

Timing repeatability: 2%

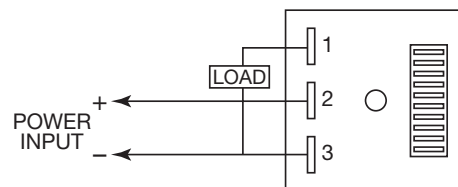
Timing cycle interrupt transfer: none

OUTLINE DIMENSIONS:**AC (60 Hz) and DC INPUT VOLTAGES & LIMITS:**

Nominal	Minimum	Maximum
12V	10V	14V
24V	20V	28V
48V	41V	55V
110V	95V	125V
120V	105V	130V

TIMING CONTROL SWITCH:**Timing Switch**

DELAY = SUM OF SWITCH WEIGHTS
 SET TO THE ON POSITION

WIRING DIAGRAM:**MECHANICAL INFORMATION:**

Enclosure 2 x 2 x 3/4 inch black plastic, epoxy sealed. Center hole mounting. Three 1/4 inch quick connect male terminals.

Ordering Information:

Definition of a part number for the Amperite ST1D Series Time Delay Relay:

Example:

120 A 1-1023 S ST1D
 ↑ ↑ ↑ ↑ ↑
 A B C D E

- A: Denotes nominal input voltage. Voltages available 12, 24, 48, 110 and 120V AC or DC. **Custom voltages are available; consult factory.**
- B: Denotes input current:
 A = AC - Alternating Current; D = DC - Direct Current
- C: Denotes range of timing adjustability using built-in DIP switch. Ranges available are listed above.
- D: Denotes unit of time delay: S = seconds.
- E: Denotes Amperite ST1D Series solid state delay-on-make timer.