

DELAY-ON-OPERATE TIME DELAY RELAYS

ST1 Series Time Delay Relays



The ST1 Series delay-on-make time delay relays are two terminal solid state devices that are connected in series with the load. For field adjustment of the time delay, a second set of terminals is provided for an external resistor or potentiometer. Relay has CMOS digital circuitry and is 100% solid state with no moving parts to wear out. The relay is packaged in the popular hockey puck enclosure, epoxy sealed. UL and CSA approvals pending. Contact rating: 1 Amp continuous load. Mounting: Single center hole mount. Timing tolerance: Fixed units +/- 10%. Repeatability: +/- 2%. Timing cycle interrupt transfer: None.

Ordering Information:

120 A 1 - 100 S ST1
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 A B C D E F

- A: Denotes nominal input voltage. Voltages available 12V, 24V, 120V & 230V AC; 12V, 24V, 48V & 110V DC. **Custom voltages are available.**
- B: Denotes type of input power required for operation.
 A = AC - Alternating Current; D = DC - Direct Current
- C & D: Denotes range of adjustability using an external resistor or potentiometer, where C is the minimum timing and D is the maximum timing. Standard timing span is 100:1. For fixed timing units specify a single number.
- E: Denotes unit of time delay: S = seconds; M = minutes; H = hours.
- F: Denotes Amperite ST1 Series solid state, normally open time delay.

Mfr. No.	Delay in Seconds	Input Voltage	Mode of Operation
120A1-100SST1	1-100	120V AC	N.O.*
120A.2-20SST1	.2-20	120V AC	N.O.*
12D1-100SST1	1-100	12V DC	N.O.*
12D.2-20SST1	.2-20	12V DC	N.O.*
24D1-100SST1	1-100	24V DC	N.O.*
24D.2-20SST1	.2-20	24V DC	N.O.*

Many other configurations available; consult factory.
 * Denotes single pole, normally open.

SWDC Series Time Delay Relays



The SWDC Series CMOS delay-on-make time delay relays are digitally set over a 1023:1 timing range by means of user operated 10 position DIP switch. Timing ranges include 0.1 – 102.3 seconds, 1 to 1023 and 10 to 10230 seconds. Adjustment resolution of the time delay is equal to the minimum time specified for each range. These timers are packaged in the familiar octal enclosure for ease of installation. UL and CSA approvals pending. Contact rating: 10 Amps @ 240V AC resistive. Operating temp. Range: -40 C to +65 C. Mounting: 8-pin octal style plug. Timing Tolerance: +/- 2%. Repeatability: +/- 1%. Timing cycle interrupt transfer: None. Reset: Upon Interruption of Input power.

Ordering Information:

120 A 1-1023 S L SWDC
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 A B C D E F G

- A: Denotes nominal input voltage. Standard voltages are 12V, 24V and 120V AC; 12V, 24V, 48V and 110V DC. **Custom Voltages are available.**
- B: Denotes type of input current required for operation:
 A = AC - Alternating Current; D = DC - Direct Current.
- C & D: Denotes timing range of adjustability in seconds, minutes, or hours.
- E: Denotes unit of time delay: S = seconds; M = minutes; H = hours.
- F: Denotes form of termination: Leave blank for standard octal plug-in; Enter "L" if optional spade terminals are required.
- G: Denotes use of solid state digital circuitry of SWDC Series.

Mfr. No.	Delay in Seconds	Input Voltage	Mode of Operation
120A1-1023SSWDC	1-1023	120V AC	DPDT
120A.1-102SSWDC	.1-102	120V AC	DPDT
12D1-1023SSWDC	1-1023	12V DC	DPDT
12D.1-102SSWDC	.1-102	12V DC	DPDT
24D1-1023SSWDC	1-1023	24V DC	DPDT
24D.1-102SSWDC	.1-102	24V DC	DPDT

Many other configurations available; consult factory.