

Discrete Plug-In Timing Relays – Series SST Industrial Grade



DESIGN FEATURES

- ◆ High repeat accuracy with digital timing circuitry
- ◆ Time delays to 120 minutes
- ◆ Fast easy setting with time-calibrated knobs
- ◆ Superior transient protection
- ◆ 8 or 11 pin plug-in
- ◆ Rugged construction
- ◆ Flame-retardant housing
- ◆ On-delay, off-delay interval, one shot, latching interval

SPECIFICATIONS

Operating Modes: On-Delay, Off-Delay Interval, One Shot (Latching Interval), or Repeat Cycle depending on model

Timing Adjustment: Knob Adjust

Timing Ranges: Nine timing ranges spanning from 0.1 second to 120 minutes

Accuracy:

Repeat Accuracy: Models SST1, SST2, SST3, SST4, and SST7: ±1%

Overall Accuracy: ±5%

Reset Time:

Model SST1: 50 milliseconds max. (typ. 25ms)
 Model SST2: 300 milliseconds max.
 Model SST3: 50 milliseconds max.
 Model SST4: 300 milliseconds max.
 Model SST7: 500 milliseconds max.

Relay Release Time: 30 milliseconds max.

Relay Operate Time: 50 milliseconds max.

Operating Voltage: (+10%)

AC: 120 VAC, 24 VAC 50/60Hz

DC: 12 VDC, 24 VDC

DC: models have reverse polarity protection

Transient Protection: Non-repetitive transients of the following magnitudes will not cause spurious operation or affect function and accuracy:

Transient Duration

Operating Voltage	<0.1 msec.	<1 msec
12 VAC/DC ±10%	860 Volts*	208 Volts*
24 VAC/DC ±10%	860 Volts*	208 Volts*
120 VAC ±10%	2580 Volts	2150 Volts

* Minimum source impedance of 100 ohms.

Output: DPDT Relay; 1/3 HP, 120/240 VAC, 50/60Hz, 10 amp resistive @ 120/240 VAC

Life: Electrical: 500,000 operations at rated resistive load

Mechanical: 10,000,000 operations

Dielectric: 1500 Volts RMS minimum @ 60Hz between contacts and line inputs and control circuits.

Temperature Range:

Operating: -10°F to +130°F (-23°C to +54°C)

Storage: -10°F to +160°F (-23°C to +71°C)

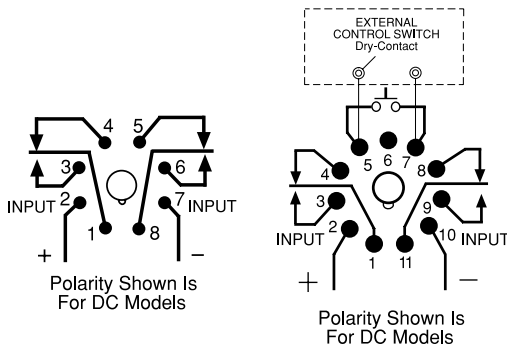
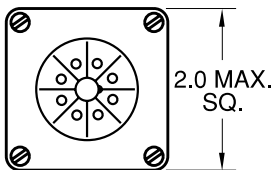
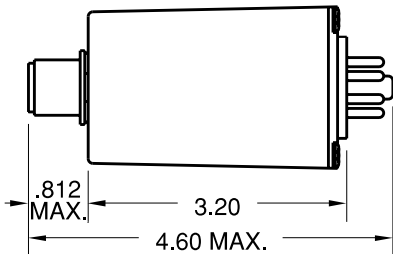
Mounting/Terminals: Plug-in Termination --

Models SST1, SST3, & SST7: 8-pin Octal Plug

Models SST2 & SST4: 11-pin Octal Plug

Power Consumption: 3 watts max.

Approximate Net Weight: 4 oz. (112 grams)



Sockets Available
 8-pin octal din: BDS08SS
 11 pin octal din BDS011SS
 See page 17.

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ORDERING INFORMATION

SST1 - On-Delay

Operating Voltage	Time Range	Catalog Number
120 VAC	0.1-10 sec.	SST12AAA
	0.6 - 60 sec.	SST12ACA
	1.8 -180 sec.	SST12ADA
	3 - 300 sec.	SST12AEA
	18 sec. - 30 min.	SST12AGA
	36 sec. - 60 min.	SST12AHA
24 VAC	0.1-10 sec.	SST12EAA
	1.8 - 180 sec.	SST12EDA
	3 - 300 sec.	SST12EEA
24 VDC	0.1 - 10 sec.	SST12OAA
	1.8 - 180 sec.	SST12ODA
	3 - 300 sec.	SST12OEA
12 VDC	0.1 - 10 sec.	SST12QAA
	1.8 - 180 sec.	SST12QDA
	3 - 300 sec.	SST12QEA

SST2 - Off-Delay

Operating Voltage	Time Range	Catalog Number
120 VAC	0.1-10 sec.	SST22AAA
	1.8 -180 sec.	SST22ADA
	3 - 300 sec.	SST22AEA
	18 sec. - 30 min.	SST22AGA
	36 sec. - 60 min.	SST22AHA
24 VAC	0.1-10 sec.	SST22EAA
	1.8 - 180 sec.	SST22EDA
24 VDC	0.1 - 10 sec.	SST22OAA
	1.8 - 180 sec.	SST22ODA
12 VDC	0.1 - 10 sec.	SST22QAA
	1.8 - 180 sec.	SST22QDA

SST3 - Interval

Operating Voltage	Time Range	Catalog Number
120 VAC	0.1-10 sec.	SST32AAA
	1.8 -180 sec.	SST32ADA
	3 - 300 sec.	SST32AEA
	36 sec. - 60 min.	SST32AHA
24 VAC	0.1-10 sec.	SST32EAA
	1.8 - 180 sec.	SST32EDA
24 VDC	0.1 - 10 sec.	SST32OAA
	1.8 - 180 sec.	SST32ODA
12 VDC	0.1 - 10 sec.	SST32QAA
	1.8 - 180 sec.	SST32QDA

SST4 - One Shot (Latching Interval)

Operating Voltage	Time Range	Catalog Number
120 VAC	0.1-10 sec.	SST42AAA
	1.8 -180 sec.	SST42ADA
	3 - 300 sec.	SST42AEA
	18 sec. - 30 min.	SST42AGA
	36 sec. - 60 min.	SST42AHA
24 VAC	0.1-10 sec.	SST42EAA
	1.8 - 180 sec.	SST42EDA
24 VDC	0.1 - 10 sec.	SST42OAA
	1.8 - 180 sec.	SST42ODA
12 VDC	0.1 - 10 sec.	SST42QAA
	1.8 - 180 sec.	SST42QDA

SST7 - Repeat Cycle

Operating Voltage	Time Range	Catalog Number
120 VAC	0.1-10 sec.	SST72AAA
	1.8 -180 sec.	SST72ADA
	3 - 300 sec.	SST72AEA
	18 sec. - 30 min.	SST72AGA
	36 sec. - 60 min.	SST72AHA
24 VAC	0.1-10 sec.	SST72EAA
	1.8 - 180 sec.	SST72EDA
24 VDC	0.1 - 10 sec.	SST72OAA
	1.8 - 180 sec.	SST72ODA
12 VDC	0.1 - 10 sec.	SST72QAA
	1.8 - 180 sec.	SST72QDA