

Timing Modes

On-Delay, Off-Delay, Interval, One Shot (Latching Interval) or Repeat Cycle.

Timing Specifications

Timing Ranges: Nine ranges spanning 0.1 sec. to 120 min.

Timing Adjustment: Knob adjust. Accuracy: Repeat Accuracy: ±1% Overall Accuracy: ±5%.

Reset Time: 50 ms., max., (25 ms typ.) for on-delay and interval; 300 ms,

max., for off-delay and one shot; 500 ms, max., for repeat type.

Relay Operate Time: 50 ms. Relay Release Time: 30 ms.

Contact Data @ 25°C

Arrangements: 2 Form C (DPDT).

Rating: 10A @ 120/240VAC, resistive; 1/3 HP @ 120/240VAC, 50/60 Hz.

Expected Mechanical Life: 10 million operations.

Expected Electrical Life: 500,000 operations, min., at rated resistive load.

Initial Dielectric Strength

Between Contacts, Line Inputs and Control Circuits:

1,500V RMS, minimum, at 60 Hz.

Input Data @ 25°C

Voltage: See Ordering Information section for details.

Power Requirement: 3W, max.

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

Operating Voltage	<0.1 ms	<1 ms
12 & 24 VAC/VDC	860V	208V*
120 VAC	2,580V	2,150V*

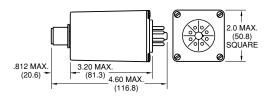
^{*} Minimum source impedance of 100 ohm.

Environmental Data

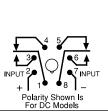
Temperature Range: Storage: -23°C to +71°C.

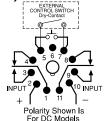
Operating: -23°C to +54°C

Outline Dimensions



Wiring Diagrams (Bottom Views)





SST series

Industrial Grade Discrete Plug-in Time Delay Relay

- · On-Delay, Off-Delay, Interval, One Shot & Repeat modes
- Time delays to 120 min.
- Fast setting with time calibrated knobs.
- Superior transient protection.
- Rugged construction with 8- or 11-pin plug.
- · Flame retardant housing.

File E15631

(File LR33434)

Users should thoroughly review the technical data before selecting a product part number. It is recommended that user also seek out the pertinent approvals files of the agencies/laboratories and review them to ensure the product meets the requirements for a given application.

Mechanical Data

Mounting/Termination: On-Delay, Interval and Repeat types have 8- pin octal plug that fits either 27E122 or 27E891 socket. Off-Delay and One Shot types have 11-pin octal-type plug that fits 27E123 or 27E892. Sockets must be orderd separately.

Weight: 4 oz. (112g) approximately.

Ordering Information

SST1 - On Delay Types

3312	- On Delay 1	ypes
Input	Time Range	P

Input	Time Range	Part No.
120 VAC	0.6 - 60 sec. 1.8 - 180 sec.	SST12ADA SST12AEA SST12AGA
24 VAC	0.1 - 10 sec. 1.8 - 180 sec. 3 - 300 sec.	SST12EAA SST12EDA SST12EEA
24 VDC	0.1 - 10 sec. 1.8 - 180 sec. 3 - 300 sec.	SST12OAA SST12ODA SST12OEA
12 VDC	0.1 - 10 sec. 1.8 - 180 sec. 3 - 300 sec.	SST12QAA SST12QDA SST12QEA

	Input	Time Range	Part No.
A A A A	120 VDC	0.1 - 10 sec. 1.8 - 180 sec. 3 - 300 sec. 18 sec 30 min. 36 sec 60 min.	SST22AAA SST22ADA SST22AEA SST22AGA SST22AHA
A A	24 VDC	0.1 - 10 sec. 1.8 - 180 sec.	SST22EAA SST22EDA
A A	24 VDC	0.1 - 10 sec. 1.8 - 180 sec.	SST22OAA SST22ODA
A A A	12 VDC	0.1 - 10 sec. 1.8 - 180 sec.	SST22QAA SST22QDA
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Interval Types

5513 - Interval Types			
Input	Time Range	Part No.	
120 VAC	0.1 - 10 sec. 1.8 - 180 sec. 3 - 300 sec. 36 sec 60 min.	SST32AAA SST32ADA SST32AEA SST32AHA	
24	0.1 - 10 sec.	SST32EAA	
VAC	1.8 - 180 sec.	SST32EDA	
24	0.1 - 10 sec.	SST32OAA	
VDC	1.8 - 180 sec.	SST32ODA	
12	0.1 - 10 sec.	SST32QAA	
VDC	1.8 - 180 sec.	SST32QDA	

SST7 – Repeat Cycle Types			
Input	Time Range	Part No.	
120 VDC	0.1 - 10 sec. 1.8 - 180 sec. 3 - 300 sec. 18 sec 30 min. 36 sec 60 min.	SST72AAA SST72ADA SST72AEA SST72AGA SST72AHA	
24	0.1 - 10 sec.	SST72EAA	
VDC	1.8 - 180 sec.	SST72EDA	
24	0.1 - 10 sec.	SST72OAA	
VDC	1.8 - 180 sec.	SST72ODA	
12	0.1 - 10 sec.	SST72QAA	
VDC	1.8 - 180 sec.	SST72QDA	

SST4 - One Shot* Types

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	Input	Time Range	Part No.	
1	120	0.1 - 10 sec.	SST42AAA	
	VDC	1.8 - 180 sec.	SST42ADA	
		3 - 300 sec.	SST42AEA	
		18 sec 30 min.	SST42AGA	
t		36 sec 60 min.	SST42AHA	
	24	0.1 - 10 sec.	SST42EAA	
١	VDC	1.8 - 180 sec.	SST42EDA	
	24	0.1 - 10 sec.	SST42OAA	
١	VDC	1.8 - 180 sec.	SST42ODA	
	12	0.1 - 10 sec.	SST42QAA	
J	VDC	1.8 - 180 sec.	SST42QDA	

* Also known as Latching Interval

Authorized distributors are likely to stock the following:

None at present