

## **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*		
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#### \* 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)



Dimensions are in inches over (millimeters) unless otherwise specified.

# 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 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		SST2 – Off Delay Types			
Input	Time Range	Part No.	Input	Time Range	Part No.
120 VAC	0.1 - 10 sec. 0.6 - 60 sec. 1.8 - 180 sec. 3 - 300 sec. 18 sec 30 min.	SST12AAA SST12ACA SST12ADA SST12AEA SST12AEA	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
24 VAC	36 sec 60 min. 0.1 - 10 sec. 1.8 - 180 sec.	SST12AHA SST12EAA SST12EDA	24 VDC	0.1 - 10 sec. 1.8 - 180 sec.	SST22EAA SST22EDA
VAC	3 - 300 sec.	SST12EDA SST12EEA	24 VDC	0.1 - 10 sec. 1.8 - 180 sec.	SST22OAA SST22ODA
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.	SST22QAA SST22QDA
12 VDC	0.1 - 10 sec. 1.8 - 180 sec. 3 - 300 sec.	SST12QAA SST12QDA SST12QEA			

SST3 – Interval Types		SST4 – One Shot* Types			
Input	Time Range	Part No.	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	120 VDC	0.1 - 10 sec. 1.8 - 180 sec. 3 - 300 sec. 18 sec 30 min.	
24 VAC	0.1 - 10 sec. 1.8 - 180 sec.	SST32EAA SST32EDA	24	36 sec 60 min. 0.1 - 10 sec.	SST42AHA SST42EAA
24 VDC	0.1 - 10 sec. 1.8 - 180 sec.	SST32OAA SST32ODA	VDC 24	1.8 - 180 sec. 0.1 - 10 sec.	SST42EDA SST42OAA
12 VDC	0.1 - 10 sec. 1.8 - 180 sec.	SST32QAA SST32QDA	VDC 12 VDC	1.8 - 180 sec. 0.1 - 10 sec. 1.8 - 180 sec.	SST42ODA SST42QAA SST42ODA

#### SST7 – Repeat Cycle Types

0017	Repeat Oyele Types		
Input	Time Range	Part No.	
120	0.1 - 10 sec.	SST72AAA	
VDC	1.8 - 180 sec.	SST72ADA	
	3 - 300 sec.	SST72AEA	
	18 sec 30 min.	SST72AGA	
	36 sec 60 min.	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	

\* Also known as Latching Interval

# Authorized distributors are likely to stock the following:

None at present.