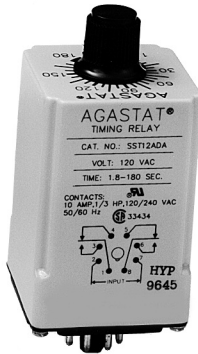


## SST Series, Industrial Grade Discrete Plug-in, Time Delay Relay



### Product Facts

- 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



### Timing Specifications

#### Timing Modes —

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

**Timing Ranges** — Nine ranges spanning 0.1 sec. to 120 min.

**Timing Adjustment** — Knob adjust.

#### Accuracy —

Repeat Accuracy —  $\pm 1\%$   
Overall Accuracy —  $\pm 5\%$

**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   |
|-------------------|---------|---------|
| 12VDC             | 1,000V  | 240V*   |
| 12 & 24 VAC/VDC   | 860V    | 208V*   |
| 120 VAC           | 2,580V  | 2,150V* |

\*Minimum source impedance of 100 ohm.

### Environmental Data

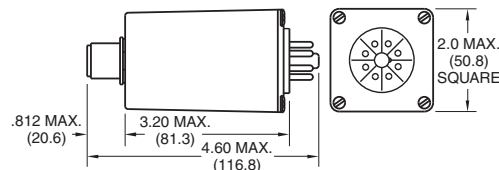
#### Temperature Range —

Storage —  $-23^{\circ}\text{C}$  to  $+71^{\circ}\text{C}$   
Operating —  $-23^{\circ}\text{C}$  to  $+54^{\circ}\text{C}$

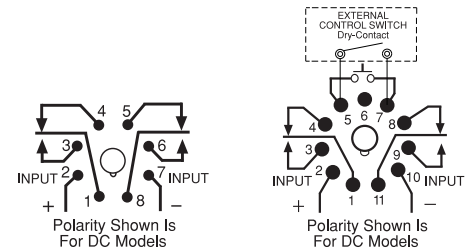
### Mechanical Data

**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 ordered separately.

**Weight** — 4 oz. (112g) approximately



Outline Dimensions



Wiring Diagrams (Bottom Views)

### Ordering Information

#### SST1 – On Delay Types

| Input   | Time Range        | Part No. |
|---------|-------------------|----------|
| 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 |
| 24 VAC  | 36 sec. - 60 min. | SST12AHA |
|         | 0.1 - 10 sec.     | SST12EAA |
|         | 1.8 - 180 sec.    | SST12EDA |
|         | 3 - 300 sec.      | SST12EEA |
|         | 1.8 - 180 sec.    | SST12QAA |
| 24 VDC  | 1.8 - 180 sec.    | SST12QDA |
|         | 3 - 300 sec.      | SST12QEA |
|         | 0.1 - 10 sec.     | SST12QAA |
| 12 VDC  | 1.8 - 180 sec.    | SST12QDA |
|         | 3 - 300 sec.      | SST12QEA |

#### SST2 – Off Delay Types

| Input   | Time Range        | Part No. |
|---------|-------------------|----------|
| 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 |
|         | 0.1 - 10 sec.     | SST22QAA |
|         | 1.8 - 180 sec.    | SST22QDA |
|         | 0.1 - 10 sec.     | SST22QAA |
| 12 VDC  | 1.8 - 180 sec.    | SST22QDA |

#### SST3 – Interval Types

| Input   | Time Range        | Part No. |
|---------|-------------------|----------|
| 120 VAC | 0.1 - 10 sec.     | SST32AAA |
|         | 1.8 - 180 sec.    | SST32ADA |
|         | 3 - 300 sec.      | SST32AEA |
|         | 36 sec. - 60 min. | SST32AHA |
|         | 0.1 - 10 sec.     | SST32EAA |
| 24 VAC  | 1.8 - 180 sec.    | SST32EDA |
|         | 0.1 - 10 sec.     | SST32QAA |
|         | 1.8 - 180 sec.    | SST32QDA |
|         | 0.1 - 10 sec.     | SST32QAA |
|         | 1.8 - 180 sec.    | SST32QDA |

#### SST4 – One Shot\* Types

| Input   | Time Range        | Part No. |
|---------|-------------------|----------|
| 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 |
|         | 0.1 - 10 sec.     | SST42QAA |
|         | 1.8 - 180 sec.    | SST42QDA |
|         | 0.1 - 10 sec.     | SST42QAA |
| 12 VDC  | 1.8 - 180 sec.    | SST42QDA |

\* Also known as Latching Interval

#### SST7 – Repeat Cycle Types

| Input   | Time Range        | Part No. |
|---------|-------------------|----------|
| 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 |
|         | 0.1 - 10 sec.     | SST72QAA |
|         | 1.8 - 180 sec.    | SST72QDA |
|         | 0.1 - 10 sec.     | SST72QAA |
| 12 VDC  | 1.8 - 180 sec.    | SST72QDA |

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.

Authorized distributors are likely to stock the following:

None at present.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[SST12AAA](#) [SST12OAA](#) [SST22AAA](#) [SST22ADA](#) [SST12ACA](#)