

# SSC series

## Specification Grade Discrete Plug-in Time Delay Relay

- On-Delay, Off-Delay and Interval timing modes
- 13 timing ranges from 0.1 sec. to 60 min.
- 10A DPDT output contacts
- Excellent repeatability of  $\pm 1\%$  or better.
- Exceptional immunity to transients and noise.
- Wide operating temperature range.

### CE

File LR29186

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.



### Timing Modes

On-Delay, Off-Delay and Interval.

### Timing Specifications

**Timing Ranges:** 6 to 180 cycles; 0.1 to 3 / 0.1 to 10 / 0.33 to 10 / 1 to 30 / 4 to 120 sec.; 0.33 to 10 / 1 to 30 / 2 to 60 min.; 0.33 to 10 hr. (All are +10%, -1% of maximum values).

**Timing Adjustment:** Knob or fixed time (internal fixed resistor) – all models; customer supplied external potentiometer or resistor – On-Delay and Interval models only.

**Accuracy:** Repeat Accuracy:  $\pm 1\% \pm 0.004$  sec. at any combination of operating temperature and voltage.

**Overall Accuracy:**  $\pm 5.25\%$  throughout operating temperature and voltage ranges.

**Reset Time:** 25 ms. (minimum deenergized interval for on-delay or off-delay models, or minimum required closure interval for interval models without affecting accuracy.)

**Relay Operate Time:** Off-Delay mode only: 35 ms.

**Relay Release Time:** On-Delay mode only: 20 ms.

### Contact Data @ 25°C

**Arrangements:** 2 Form C (DPDT).

**Rating:** 10A @ 28VDC or 120VAC, resistive; 1/3 HP @ 120/240VAC.

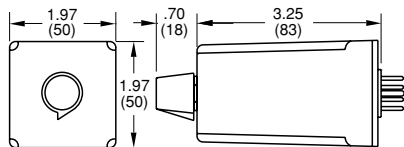
**Expected Mechanical Life:** 10 million operations.

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

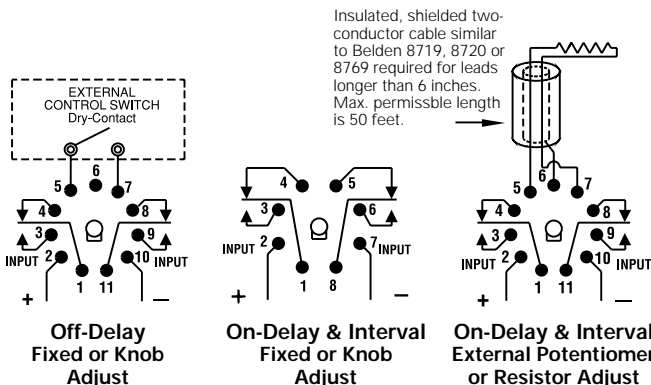
### Initial Dielectric Strength

**Between Terminals and Case:** 1,000VAC plus twice the nominal voltage for one minute.

### Outline Dimensions



### Wiring Diagrams (Bottom Views)



### 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*
24VAC/VDC	1,000V	240V*
48 VAC/VDC	1,000V	480V*
120 VAC/VDC	3,000V	2,500V*
240VAC	3,000V	2,500V*

\* Minimum source impedance of 100 ohm.

### Environmental Data

**Temperature Range:** Storage: -40°C to +85°C.

Operating: -30°C to +65°C.

### Mechanical Data

**Mounting/Termination:** 8- or 11-pin octal type plug. 8-pin types fit either 27E122 or 27E891, while 11-pin types fit 27E123 or 27E892.

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

### Ordering Information

SSC	01	2	A	A	A	
Series SSC Discrete Industrial Timer		Output 2 = DPDT Relay		Timing Range A = 0.1 to 3 sec. B = 0.5 to 15 sec. C = 1 to 30 sec. D = 2 to 60 sec. E = 4 to 120 sec. F = 6 to 180 sec. G = 10 to 300 sec. I = 2 to 60 min. K = 3 to 180 cycles L = 0.33 to 10 min. M = 0.5 to 15 min. N = 1 to 30 min. P = 0.1 to 10 min.		
Operating Mode 01 = On-Delay 02 = Off-Delay 03 = Interval						

#### Operating Voltage (+10%, -15%)

A = 120VAC, 50/60 Hz. / 120VDC  
B = 240VAC, 50/60 Hz. / 24VDC  
E = 24VAC, 50/60 Hz. / 24VDC  
F = 48VAC, 50/60 Hz. / 48VDC  
Q = 12VDC ( $\pm 10\%$ )

#### Timing Adjustment

A = Knob Adjust  
B = External Potentiometer or resistor (Operating modes 1 and 3 only).  
F = Fixed Times – Specify time delay in seconds per the following examples:  
F9.000 = 9 sec.  
F99.00 = 99 sec.  
F999.0 = 999 sec.  
F1000 = 1000 sec.

### Authorized distributors are likely to stock the following:

SSC12AAA	SSC12ACA	SSC12AGA
SSC12ABA	SSC12ADA	SSC12ALA

Specifications and availability subject to change.

www.tycoelectronics.com  
Technical support:  
Refer to inside back cover.