



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 $\pm 10\%$, -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.

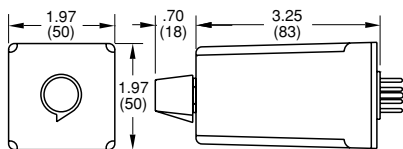
Expected Mechanical Life: 10 million operations.

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

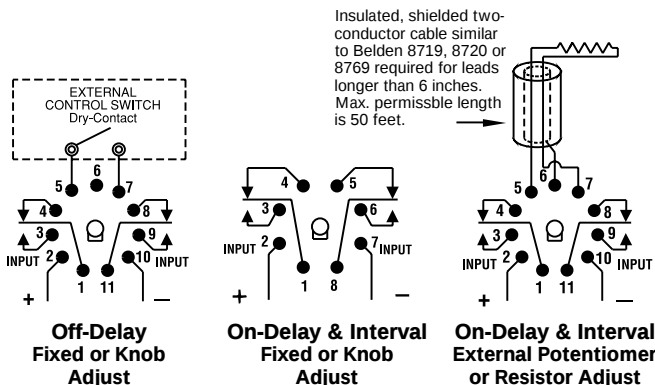
Initial Dielectric Strength

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. 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.