

## SSC Series, Specification Grade Discrete Plug-in, Time Delay Relay



### Timing Specifications

#### Timing Modes —

On-Delay, Off-Delay and Interval.

**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.

### 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 or affect function and accuracy.

Operating Voltage	<0.1 ms	<1 ms
12VDC	1,000V	240V*
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.

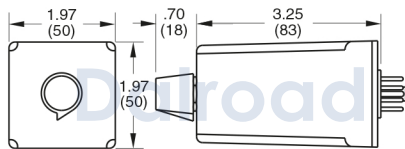
**Weight** — 4 oz. (112g) approximately

### Product Facts

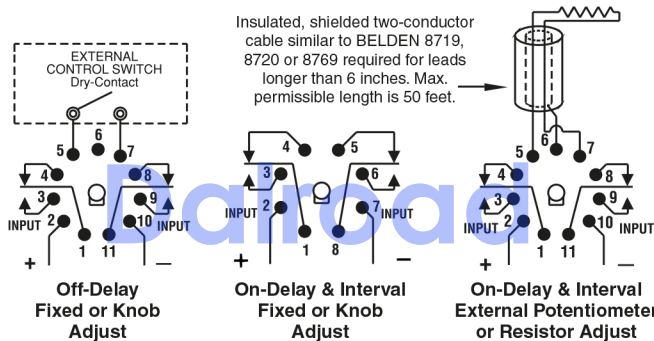
- On-Delay, Off-Delay and Interval timing modes
- 13 timing ranges from 0.1 sec. to 60 min.
- 10A DPDT output contacts
- Excellent repeatability of  $\pm 1\%$  or better.
- Exceptional immunity to transients and noise.
- Wide operating temperature range.
- File 3520, File LR29186



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.



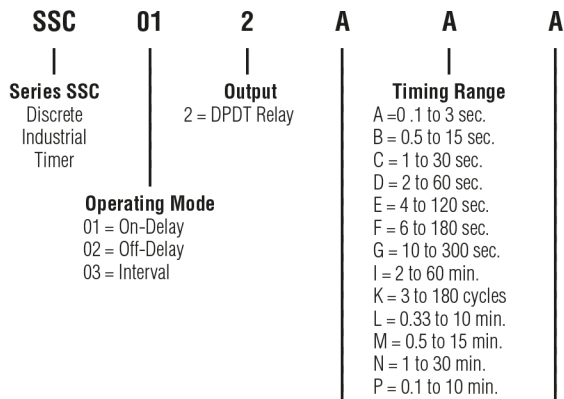
Outline Dimensions



Wiring Diagrams (Bottom Views)

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### Ordering Information



**Series SSC**  
Discrete Industrial Timer

#### Operating Mode

01 = On-Delay  
02 = Off-Delay  
03 = Interval

**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 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 = 9999 sec.  
F1000 = 1000 sec.

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

SSC12AAA	SSC12ACA	SSC12AGA
SSC12ABA	SSC12ADA	SSC12ALA

12 Specialty Relays