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
- Escellent repeatability of ±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: ±1% ±0.004 sec. at any combination of operating temperature and voltage.
Overall Accuracy: ±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).
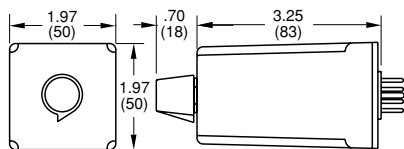**Rating:** 10A @ 28VDC or 120VAC, resistive; 1/3 HP @ 120/240VAC.
Expected Mechanical Life: 10 million operations.
Expected Electrical Life: 500,000 operations, min., at rated resistive load.
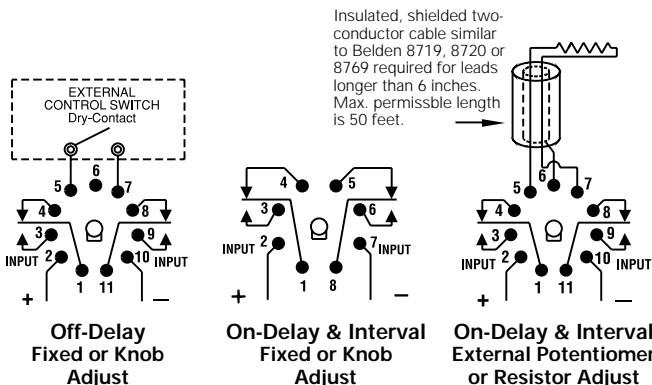
Initial Dielectric Strength

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

Outline Dimensions

Wiring Diagrams (Bottom Views)

Insulated, shielded two-conductor cable similar to Belden 8719, 8720 or 8769 required for leads longer than 6 inches. Max. permissble length is 50 feet.

Off-Delay Fixed or Knob Adjust

On-Delay & Interval Fixed or Knob Adjust

On-Delay & Interval External Potentiomer or Resistor Adjust

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

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

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 (±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.

Dimensions are shown for reference purposes only.

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

Specifications and availability subject to change.