

### **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.

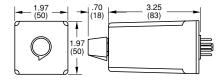
Expected Electrical Life: 500,000 operations, min., at rated resistive load.

## Initial Dielectric Strength

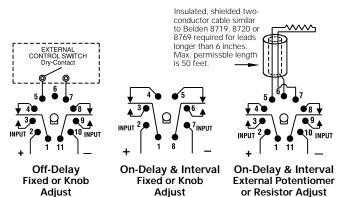
Between Terminals and Case: 1,000VAC plus twice the nominal voltage

for one minute

#### **Outline Dimensions**



## Wiring Diagrams (Bottom Views)



# 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.

## C€

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.

## 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*

<sup>\*</sup> Minimum source impedance of 100 ohm.

#### **Environmental Data**

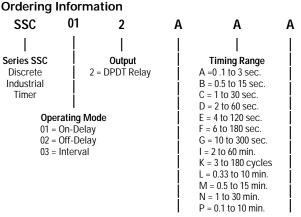
Temperature Range: Storage: -40°C to +85°C

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.



# 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

AGASTAT

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 = 99.5ecF999.0 = 9999 sec.

F1000 = 1000 sec.

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

SSC12AAA SSC12ABA

SSC12ACA SSC12ADA SSC12AGA SSC12ALA