

# SCE series

## Specification Grade Discrete Plug-in True Off-Delay Time Delay Relay

- True Off-Delay timing modes
- Six time delays from 0.1 sec. to 10 min.
- 10A SPDT or 5A DPDT output contacts.
- Excellent repeat accuracy – typically better than ±1%.
- 8-pin octal plug.

UL File E15631

SF File LR51332



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.

**CAUTION:**

If unit has not been energized for several months, apply operating voltage for 20 minutes prior to initial time delay.

### Timing Modes

True Off-Delay – Upon application of operating voltage (min. 100ms), output relay contacts transfer. When operating voltage is removed, the time delay period is initiated. At the end of the delay period, output relay contacts release. If operating voltage is reapplied prior to expiration of the delay period, the delay will be cancelled and output relay contacts will remain transferred.

### Timing Specifications

**Timing Ranges:** 0.1 to 3 / 0.5 to 15 / 1 to 30 / 4 to 120 / 10 to 300 sec.; 0.33 to 10 min.

**Timing Adjustment:** Knob adjustment - Internal potentiometer with external knob adjustment. Maximum time calibrated with +10%, -0% of values shown below at rated voltage, at 68°F. Fixed time – internal fixed resistor.

**Accuracy:** Repeat Accuracy: ±1.  
Overall Accuracy: ±5%.

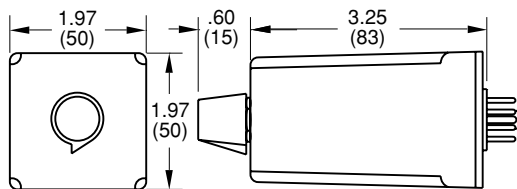
**Reset Time:** 30 ms. min.  
**Relay Operate Time:** 30 ms.

### Contact Data @ 25°C

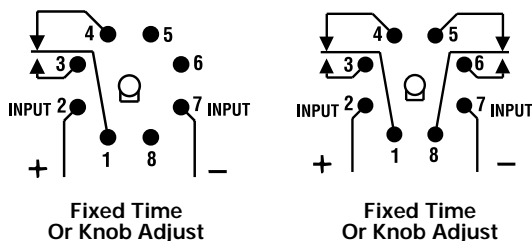
**Arrangements:** 1 Form C (SPDT) and 2 Form C (DPDT).  
**Rating:** 1 Form C: 10A @ 120/240VAC, resistive; 1/3 HP @ 120VAC; 345VA @ 120VAC; 1/4 HP @ 240VAC; 275VA @ 240VAC. Same polarity.  
2 Form C: 5A @ 28VDC or 120/240VAC, resistive; 1/6 HP @ 120/240VAC; 200VA @ 120/240VAC. Same polarity.

**Expected Mechanical Life:** 10 million operations.  
**Expected Electrical Life:** 200,000 operations, min., at rated resistive load.

### Outline Dimensions



### Wiring Diagrams (Bottom Views)



### Initial Dielectric Strength

**Between Terminals and Case and relay contacts and active circuitry:** 1,480VAC for one minute.

### Input Data @ 25°C

**Voltage:** See Ordering Information section for details.  
**Power Requirement:** 750mw.  
**Transient Protection:** 1,000V plus twice rated voltage for 0.1 ms.

### Environmental Data

**Temperature Range:** Storage: -40°C to +85°C.  
Operating: -30°C to +65°C.

### Mechanical Data

**Mounting/Termination:** 8-pin octal plug fits either 27E122 or 27E891 (snap-on) socket (order separately).  
**Weight:** 4 oz. (112g) approximately.

### Ordering Information

SCE	R	X	2	2	A	C	A
Series SCE	Output Rating	Output	Timing Range	Agency Recognition	Operating Mode	Operating Voltage (+10%, -15%)	Timing Adjustment
True Off-delay Timer	W = 10A (SPDT) X = 5A (DPDT)	1 = SPDT (W) 2 = DPDT (W)	A = 0.1 to 3 sec. B = 0.5 to 15 sec. C = 1 to 30 sec. E = 4 to 120 sec. G = 10 to 300 sec. L = 0.33 to 10 min.	R = UL recognized	2 = True Off-Delay	A = 120VAC, 50/60 Hz / 125VDC E = 24VAC, 50/60 Hz / 24VDC F = 48VAC, 50/60 Hz / 48VDC	A = Knob Adjust F = Fixed Times – Specify time delay in seconds per the following examples: XF9.000 = 9 sec. XF99.00 = 99 sec. XF999.0 = 9999 sec. XF1000 = 10000 sec.

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

None at present.