SRC series

Specification Grade Repeat Cycle Plug-in Time Delay Relay

- Repeat Cycle timing mode
- Dual knobs for user adjustment of on and off times.
- 13 timing ranges from 0.1 sec. to 60 min.
- 10A DPDT output contacts
- Exceptional immunity to line transients and noise
- Premium components enhance reliability
- Superior reset time of 24 msec.

CE

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

Repeat Cycle: Application of line voltage starts the pre-set OFF-time period Upon expiration of the period, the output relay is energized, its contacts transfer, and the pre-set ON-time period begins. At the end of this period the output relay is deenergized, and a new cycle begins. The OFF and ON cycles continue until power is removed. To reset the timer, input voltage must be removed for at least 25 ms.

Timing Specifications

Timing Ranges: OFF time and ON time ranges need not be the same. 6 to 180 cycles; 0.1 to 3 / 1 to 10 / 0.5 to 15 / 1 to 30 / 2 to 60 / 4 to 120 / 6 to 180 / 10 to 300 sec.; 0.33 to 10 / 0.5 to 15 / 1 to 30 / 2 to 60 min. (All are +10%, –1% of maximum values).
Timing Adjustment: Two internal potentiometers with external knobs.
Accuracy: **Repeat Accuracy:** ±1% ±0.004 sec..
Overall Accuracy: ±2.25% max.
Reset Time: 25 ms. max. (between deenergization and reenergization without affecting accuracy.)
Relay Operate Time: 20 ms.
Relay Release Time: 15 ms.

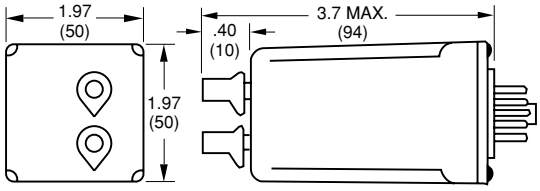
Contact Data @ 25°C

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.

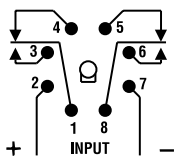
Initial Dielectric Strength

Between Terminals & Case and Mutually Isolated Contacts: 1,480VAC.

Outline Dimensions



Wiring Diagram (Bottom View)



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: Quick connect terminals fit either 27E121 or 27E893 (snap-on) socket (order separately).
Weight: 5.3 oz. (149g) approximately.

Ordering Information

SRC 7 2 A C C A

Series SRC
Repeat Cycle Timer.

Operating Mode
7= Repeat Cycle

Output
2 = DPDT Relay

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

Timing Range Off-Time
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 sec.

Timing Range On-Time
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 sec.

Timing Adjustment
A = Dual Knob Adjust

Authorized distributors are likely to stock the following:

None at present.