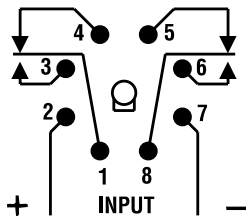
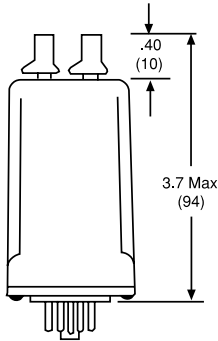
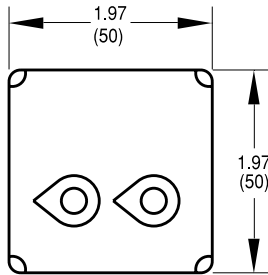


Discrete Plug-In Timing Relays – Series SRC Specification Grade Repeat Cycle



Sockets Available
8-pin octal type socket: BDS08SS
See pg. 17

DESIGN FEATURES

- ◆ Repeat Cycle Operating Mode
- ◆ Dual Knob adjustment allows user to select different on and off times and ranges
- ◆ Superior reset time of 25 msec.
- ◆ Premium components provide long term reliability
- ◆ Exceptional immunity to line transients and noise
- ◆ 10A DPDT output contacts
- ◆ Timing from 0.1 sec. to 60 min.

SPECIFICATIONS

Operating Mode: 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 de-energized, 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 msec.

Timing Adjustment: Two Internal potentiometers with external knob adjustment.

Timing Ranges: (+10% - 1% of maximum values): OFF time and ON time ranges can be the same or specified individually.

| | |
|---------------|----------------|
| 6 to 180 cyc. | 6 to 180 sec. |
| .1 to 3 sec. | 10 to 300 sec. |
| 1 to 10 sec. | .33 to 10 min. |
| .5 to 15 sec. | .5 to 15 min. |
| 1 to 30 sec. | 1 to 30 min. |
| 2 to 60 sec. | 2 to 60 min. |
| 4 to 120 sec. | |

Accuracy: Repeat Accuracy: ±1% + 4 msec.
Overall Accuracy: ±2.25%max.

Reset Time: 25 msec maximum (between de-energization and re-energization without affecting accuracy)

Relay Release Time: 15 msec

Relay Operate Time: 20 msec

Operating Voltage: +10%, -15%
120 VAC, 50/60Hz, or 120 VDC
240 VAC 50/60Hz
24 VAC, 50/60Hz, or 24 VDC
48 VAC, 50/60Hz, or 48 VDC
12 VDC

Transient Protection: Non-repetitive transients of the following magnitudes will not cause spurious operation or affect function and accuracy:

| Operating Voltage | 0.1 msec | 1 msec |
|-------------------|------------|-------------|
| 12 VDC | 1000 Volts | 240 Volts* |
| 24 VAC/DC | 1000 Volts | 240 Volts |
| 48 VAC/DC | 1000 Volts | 480 Volts* |
| 120 VAC/DC | 3000 Volts | 2500 Volts* |
| 240 VAC | 3000 Volts | 2500 Volts* |

* Minimum source impedance of 100 ohm

Output: DPDT Relay – 10 Amps Resistive, 28 VDC/120 VAC; 1/3HP, 120/240 VAC

Life: Electrical: 500,000 cycles at rated resistive load
Mechanical: 10,000,000 operations

Dielectric: 1480 VAC between terminals and case, and between mutually isolated contacts.

Temperature Range:

Operating: -22°F to +149°F (-30°C to +65°C)
Storage: -40°F to +185°F (-40°C to +85°C)

Mounting/Terminals: UL Recognized optional 8-pin octal socket may be ordered separately.

Power Consumption: 3 watts

Approximate Weight: 5.3 ozs. (149 grams)

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 A - 120 VAC 50/60 Hz or 120 VDC B - 240 VAC 50/60 Hz E - 24 VAC 50/60 Hz or 24 VDC F - 48 VAC 50/60 Hz or 48 VDC Q - 12 VDC | Timing Range Off-Time A - .1 to 3 sec. B - .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 - 6 to 180 cycles L - .33 to 10 min. M - .5 to 15 min. N - 1 to 30 min. P - .1 to 10 sec. | Timing Range On-Time A - .1 to 3 sec. B - .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 - 6 to 180 cycles L - .33 to 10 min. M - .5 to 15 min. N - 1 to 30 min. P - .1 to 10 sec. | Timing Adjustment A - Dual knob |