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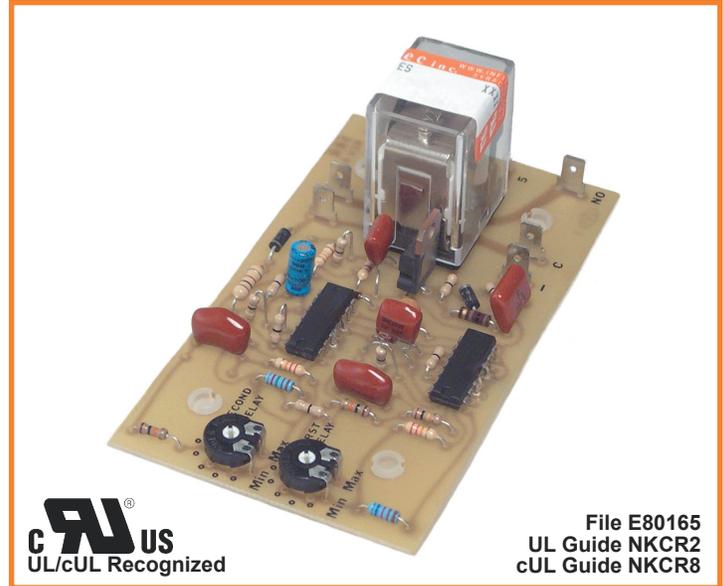
SRR SERIES OPEN BOARD RECYCLING TIME DELAY RELAY

FEATURES

- C/MOS Digital Circuitry
- Time Delays to 1000 Minutes
- No First Cycle Effect
- 0.5% Repeat Accuracy
- 2% Stability Over Voltage and Temperature
- DPDT, 10 Ampere Output Rating

SPECIFICATIONS

- 1. Time Delay**
 - 1.1 Type: C/MOS Digital Circuitry
 - 1.2 Range: From 0.05 Seconds to 1000 Minutes
Fixed Delays Available (See Time Delay Range Chart)
 - 1.3 Repeat Accuracy: $\pm 0.5\%$ Under Fixed Conditions
 - 1.4 Setting Accuracy: $\pm 10\%$
 - 1.5 Reset Time: 100 Milliseconds Maximum
 - 1.6 Recycle Time: 150 Milliseconds
 - 1.7 Time Delay vs. Voltage and Temperature: $\pm 2\%$
- 2. Input**
 - 2.1 Operating Voltage: 24, 120, & 230 VAC, 12, 24, & 110 VDC
 - 2.2 Tolerance: $\pm 20\%$ of Nominal
 - 2.3 Frequency: 50 - 60 Hertz
- 3. Output**
 - 3.1 Type: Electromechanical Relay
 - 3.2 Form: DPDT
 - 3.3 Rating: 10 Amperes Resistive at 30 VDC, 120/240 VAC
 - 3.4 Life: Electrical - Full Load - 1,000,000 Operations
Mechanical - 10,000,000 Operations
- 4. Protection**
 - 4.1 Transient: ± 1500 Volts for 150 Microseconds
 - 4.2 Polarity: DC Units Are Reverse Polarity Protected
 - 4.3 Dielectric Breakdown: 1500 Volts RMS Minimum
- 5. Mechanical**
 - 5.1 Mounting: #6 Screw Clearance (4 Places)
 - 5.2 Termination: 3/16" or 1/4" Quick Connect Terminals
 - 5.3 Style: Open Board/Surface Mount
- 6. Environmental**
 - 6.1 Operating Temperature: -20°C to $+80^{\circ}\text{C}$
 - 6.2 Storage Temperature: -30°C to $+85^{\circ}\text{C}$
 - 6.3 Humidity: 95% Relative, Non-Condensing



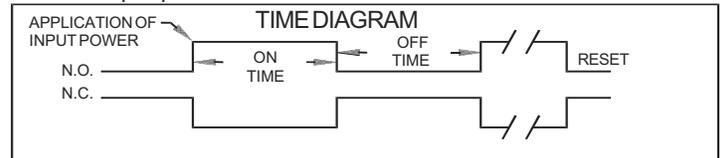
UL
 UL/cUL Recognized

File E80165
 UL Guide NKCR2
 cUL Guide NKCR8

MODE OF OPERATION ON/OFF RECYCLE

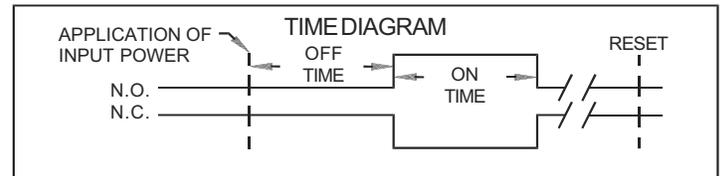
SERIES

Upon application of power to the input terminals, the ON delay begins and the output contacts transfer. Upon completion of the ON delay, the output contacts revert back to their original position and the OFF delay begins. Upon completion of the OFF delay, the output contacts again transfer and the cycle repeats. Reset is accomplished by removal of input power.

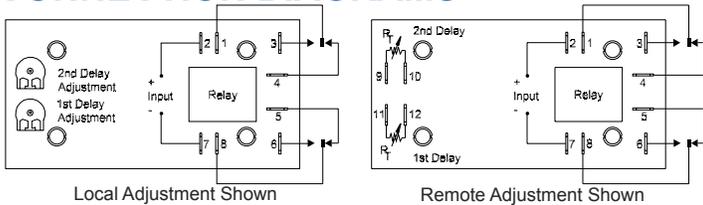


OFF/ON RECYCLE

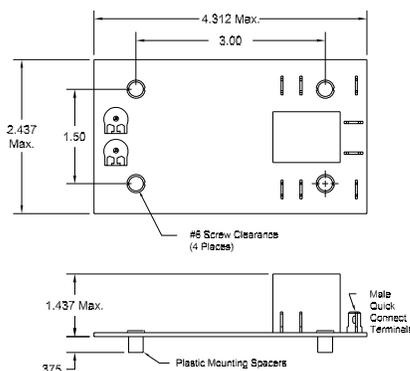
Upon application of power to the input terminals, the OFF delay begins. Upon completion of the OFF delay, the output contacts transfer and the ON delay begins. Upon completion of the ON delay, the output contacts revert to their original positions and the cycle repeats. Reset is accomplished by removal of input power.



CONNECTION DIAGRAMS



DIMENSIONS



ORDERING INFORMATION

| SERIES | TERMINATION | INPUT VOLTAGE | ADJUSTMENT | CYCLE | 1ST TIME RANGE | 2ND TIME RANGE |
|--------|---|--|--|---|----------------------------|----------------|
| SRR | 2 - 3/16" Quick Connect 3 - 1/4" Quick Connect | 1 - 12 VDC 2 - 24/28 VDC 3 - 5 VDC 4 - 24 VAC 5 - 120 VAC 6 - 230 VAC 9 - 36 VDC | 0 - Both Delays Local Adj. 0A- 1st Delay Fixed 2nd Delay Local Adj. 0B- 1st Delay Local Adj. 2nd Delay Fixed 0C- 1st Delay Ext. Adj. 2nd Delay Local Adj. 0D- 1st Delay Local Adj. 2nd Delay Ext. Adj. 1 - Both Delays Factory Fixed 1A- 1st Delay Fixed 2nd Delay Ext. Adj. 1B- 1st Delay Ext. Adj. 2nd Delay Fixed 2 - Both Delays Ext. Adj. | 1 - On Time First 2 - Off Time First | See Time Delay Range Chart | |