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FEATURES

- C/MOS Digital Circuitry
- Independent Timing Adjustments
- No First Cycle Effect
- 0.1% Repeat Accuracy
- Rocker Type Dip Switches For Positive Switch Settings
- Fully Solid State Construction
- UL/cUL Pending

SPECIFICATIONS

1. Time Delay.

- 1.1 Type: C/MOS Digital Circuitry
- 1.2 Range: Five ranges available. Delay time is set via a 10 position, binary dip switch. (see ordering information)
- 1.3 Repeat accuracy: ±0.1% under fixed conditions
- 1.4 Setting accuracy: ±1%
- 1.5 Reset time: 50 milliseconds maximum
- 1.6 Recycle time: 100 milliseconds during
- 1.7 Time delay vs. voltage and temperature: ±2%

2. Input.

- 2.1 Operating voltage: 24, 120 & 230 VAC, 12 & 24/28 VDC
- 2.2 Tolerance: ±20% of nominal
- 2.3 Frequency: 50 60 Hertz

3. Output.

- 3.1 Type: Solid state
- 3.2 Form: SPST, N.O.
- 3.3 Rating: 1 ampere maximum at 60°C
- 3.4 Life: 100,000,000 operations minimum under full load

- 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 (6 places)
- 5.2 Termination: 1/4" quick connect terminals
- 5.3 Style: Open board/surface mount, conformal coated

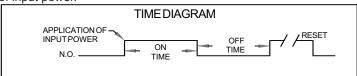
6. Environmental.

- 6.1 Operating temperature: -20°C to +80°C
- 6.2 Storage temperature: -30°C to +85°C
- 6.3 Humidity: 95% relative, non-condensing

MODE OF OPERATION

ON / OFF RECYCLE

Upon application of power to the input terminals, the ON delay begins and the output contact transfers. Upon completion of the **ON** delay, the output contact reverts back to its original position and the OFF delay begins. Upon completion of the OFF delay, the output contact again transfers and the cycle repeats. Reset is accomplished by removal of input power.

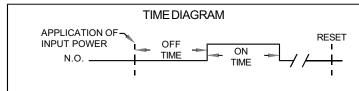


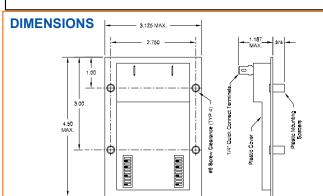
GRS SERIES OPEN BOARD, RECYCLING SOLID STATE TIMER

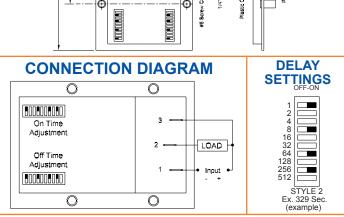


OFF/ON RECYCLE

Upon application of power to the input terminals, the **OFF** delay begins. Upon completion of the OFF delay, the output contact transfers and the ON delay begins. Upon completion of the ON delay, the output contact reverts to its original position and the cycle repeats. Reset is accomplished by removal of input power.







ORDERING INFORMATION				
SERIES	INPUT VOLTAGE	CYCLE	1ST TIME RANGE	2ND TIME RANGE
GRS	1 - 12 VDC 2 - 24/28 VDC 4 - 24 VAC 5 - 120 VAC 6 - 230 VAC	1 - On Time First 2 - Off Time First	1 - 0.1 - 102.3 Seconds 2 - 1 - 1023 Seconds 3 - 10 - 10230 Seconds 4 - 1 - 1023 Minutes 5 - 10 - 10230 Minutes	1 - 0.1 - 102.3 Seconds 2 - 1 - 1023 Seconds 3 - 10 - 10230 Seconds 4 - 1 - 1023 Minutes 5 - 10 - 10230 Minutes