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CDIR SERIES DIGITAL PLUG-IN 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
- Wide Voltage Selection 24-230 VAC, 12-110 VDC
- UL/cUL Recognized

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 @ 30 VDC, 1250/240 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: Plug-in
- 5.2 Termination: Octal (8 Pin), Magnal (11 Pin), or 11 Pin Stab/Square Base Plug-in

6. Environmental

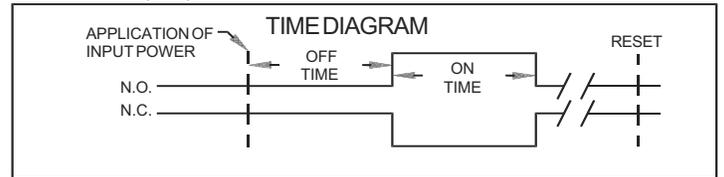
- 6.1 Operating Temperature: -20°C to $+80^{\circ}\text{C}$
- 6.2 Storage Temperature: -30°C to $+85^{\circ}\text{C}$
- 6.3 Humidity: 95% Relative, Non-Condensing



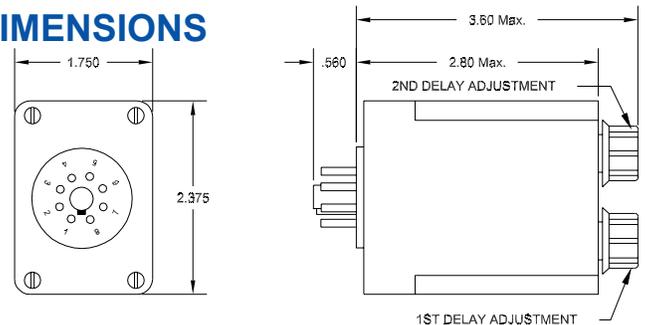
MODE OF OPERATION DELAYED INTERVAL

CDIR

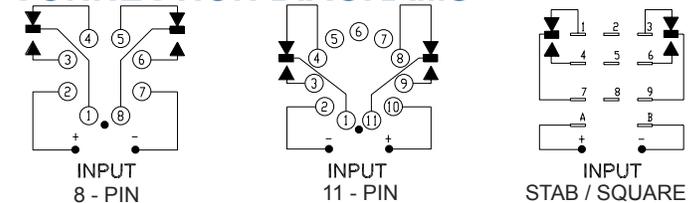
Upon application of power to the input terminals, the OFF delay begins. Upon completion of the OFF delay, the output contacts transfer and the ON delay begins. Upon completion of the ON delay, the output contacts revert to their original position. Reset is accomplished by removal of input power.



DIMENSIONS



CONNECTION DIAGRAMS



ORDERING INFORMATION

SERIES	BASE STYLE	INPUT VOLTAGE	ADJUSTMENT	1ST TIME RANGE	2ND TIME RANGE
CDIR	1 - Octal Plug-in (8 Pin) 2 - 11 Pin Plug-in 3 - 11 Pin Stab/Square Base	1 - 12 VDC 2 - 24/28 VDC 3 - 110 VDC 4 - 24 VAC 5 - 120 VAC 6 - 230 VAC	0 - Knob 1 - Fixed	See Time Delay Range Chart	See Time Delay Range Chart