

Time Delay Relays – Delay on Operate

R28 Series



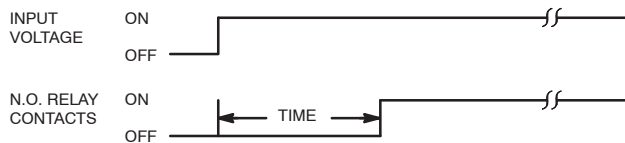
Features

- $\pm 0.1\%$ Repeatability
- 8-Pin Octal Base
- Knob with Calibrated Scale
- 3-Timing Ranges
- Impact Proof Dust Cover
- IC Hybrid Circuitry for Timing



OPERATION

DELAY ON OPERATE– The delay period begins when input voltage is applied. At the end of the delay period, the relay will operate and will not release until input voltage is removed. Reset occurs when input voltage is reapplied.



AC OPERATED

NTE Type No.	Nom. Voltage	Contact Arr.	Input Cur. Nom.	Max. Contact Cur. @ 28VDC or 120VAC	Diag No.
R28-11A10-120K	120VAC	DPDT	20mA	10A	D16
R28-11A10-120L	120VAC	DPDT	20mA	10A	D16
R28-11A10-120M	120VAC	DPDT	20mA	10A	D16

DC OPERATED

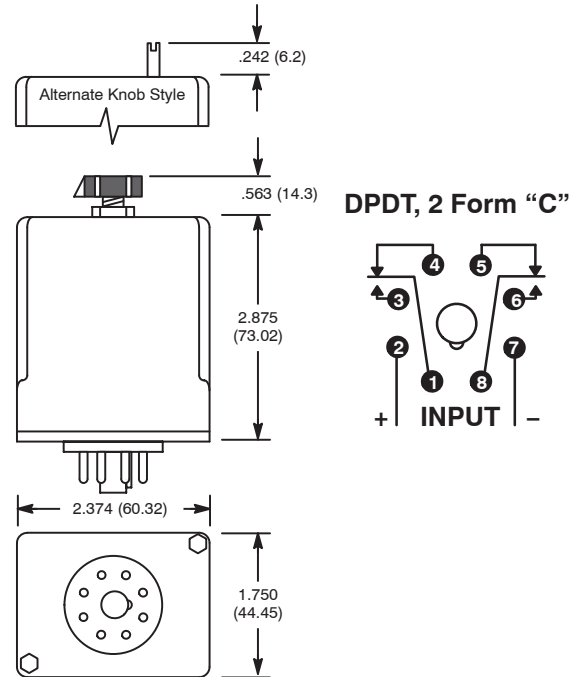
R28-11D10-24K	24VDC	DPDT	40mA	10A	D16
R28-11D10-24L	24VDC	DPDT	40mA	10A	D16

ACCESSORIES

MOUNTING STYLES	DESCRIPTION	NTE TYPE NO.
SURFACE MOUNT	8-PIN OCTAL	R95-101
PANEL MOUNT	8-PIN OCTAL	R95-118
DIN RAIL MOUNT	8-PIN OCTAL	R95-113
DIN RAIL MOUNT	8-PIN OCTAL	R95-181

DPDT, 10 Amp AC & DC Adjustable Delay On Operate Time Delay Relays.

D16



Electrical Specifications

Contact

Rating: 10 Amps 120 VAC, 30 VDC–8 Amp, 1/2 HP @ 240 VAC, 1/3 HP @ 120 VAC
Life: 500,000 ops @ 120 VAC, 10A resistive
 1,000,000 ops @ 120 VAC, 5A resistive
 2,000,000 ops @ 120 VAC, 2A resistive
Mechanical Life: 50,000,000 operations

Input

Nominal Input voltage: See Chart
Steady state input current: See Chart

Timing

Timing adjustment modes available:
 0.1 to 10 sec (K-suffix)
 1.8 to 180 sec (L-suffix)
 3.0 to 300 sec (M-suffix)

Repeat Accuracy

$\pm 0.1\%$ – constant voltage & temperature
Percent Timing change over temperature & voltage range:
 $\pm 10\%$

Timing tolerance at high end of range: $-0, +40\%$
Timing tolerance at low end of range: $+0, -40\%$

Reset Time: 100 mS max
Release Time: 100 mS max

Protection

Transient: UL508 surge test 5000V for 50 mS
Dielectric Breakdown

Coil To Contact: 1500 VAC
Across Open Contact: 1000 VAC
Noise Immunity: NEMA ICS 2-230
 2500 VAC

Environmental Characteristics

Operating: -10°C to $+55^{\circ}\text{C}$
Storage: -55°C to $+85^{\circ}\text{C}$

Weight

Std: 4 oz (115 gram) approx.