

Time Delay Relays – Interval On

R30 Series



DPDT, 10 Amp AC & DC Adjustable Interval Time Delay Relay.

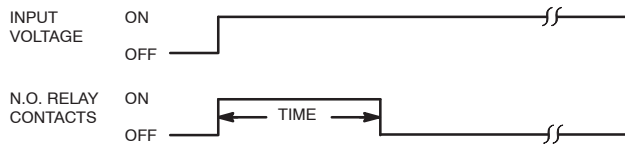
Features

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



OPERATION

INTERVAL ON– The relay will operate immediately when the input voltage is applied. At the end of an adjustable interval the relay will release and remain in this state until re-application of the input voltage.



AC OPERATED

NTE Type No.	Nom. Voltage	Contact Arr.	Input Cur. Nom.	Max. Contact Cur. @ 28VDC or 120VAC	Diag No.
R30-11A10-120K	120VAC	DPDT	20mA	10A	D16
R30-11A10-120L	120VAC	DPDT	20mA	10A	D16
R30-11A10-120M	120VAC	DPDT	20mA	10A	D16

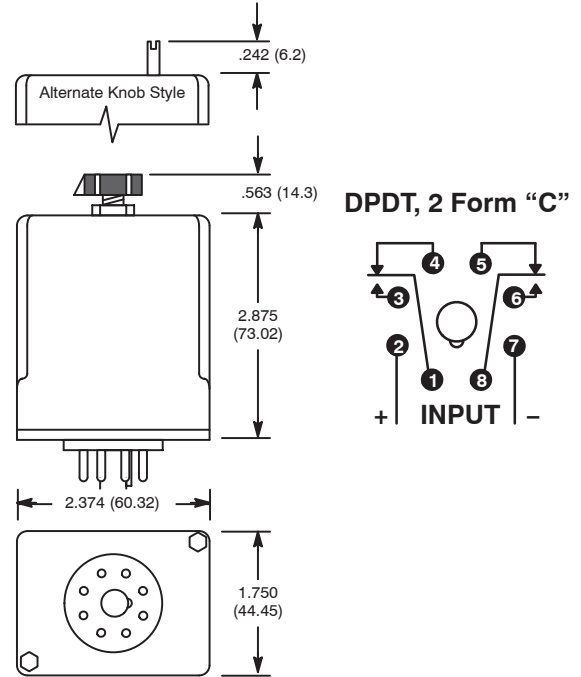
DC OPERATED

R30-11D10-24K	24VDC	DPDT	40mA	10A	D16
R30-11D10-24L	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

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

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°C

Storage: –55°C to +85°C

Weight

Std: 4 oz (115 gram) approx.