

# Time Delay Relays – Delay on Release

## R32 Series



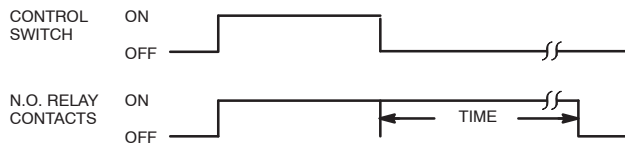
### Features

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



### OPERATION

**DELAY ON RELEASE**– Input voltage must be applied continuously to operate the internal relay. When the control switch is closed, the relay energizes. When the control switch is opened, timing begins. When timing is complete, the relay will deenergize. Time may be reset to zero during timing by closing the control switch.



### AC OPERATED

NTE Type No.	Nom. Voltage	Contact Arr.	Input Cur. Nom.	Max. Contact Cur. @ 28VDC or 120VAC	Diag No.
R32-11A10-120K	120VAC/DC	DPDT	20mA	10A	D17A
R32-11A10-120L	120VAC/DC	DPDT	20mA	10A	D17A
R32-11A10-120M	120VAC/DC	DPDT	20mA	10A	D17A

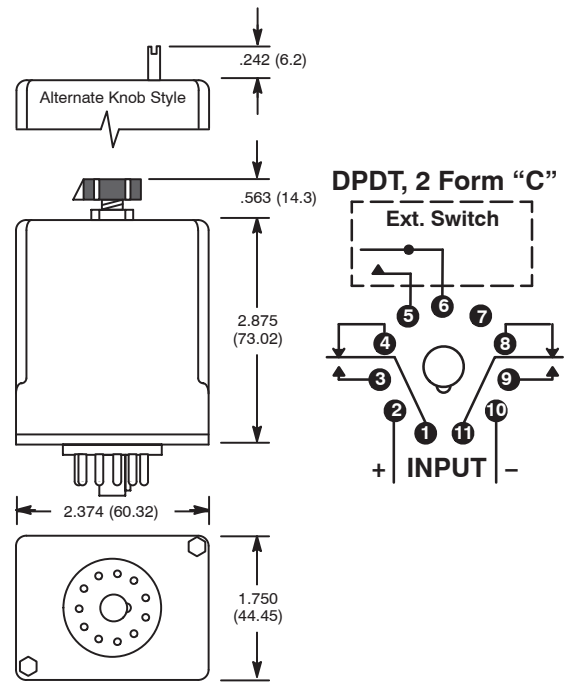
DC OPERATED					
NTE Type No.	Nom. Voltage	Contact Arr.	Input Cur. Nom.	Max. Contact Cur. @ 28VDC or 120VAC	Diag No.
R32-11D10-24K	24VDC/AC	DPDT	40mA	10A	D17A
R32-11D10-24L	24VDC/AC	DPDT	40mA	10A	D17A

### ACCESSORIES

MOUNTING STYLES	DESCRIPTION	NTE TYPE NO.
SURFACE MOUNT	11-PIN OCTAL	R95-104
PANEL MOUNT	11-PIN OCTAL	R95-119
DIN RAIL MOUNT	11-PIN OCTAL	R95-114
DIN RAIL MOUNT	11-PIN OCTAL	R95-182

DPDT, 10 Amp AC & DC Adjustable Slow Release (Delay On Release) Time Delay Relays.

D17



## 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:**  $-10^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$

**Storage:**  $-55^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$

### Weight

**Std:** 4 oz (115 gram) approx.