

# Time Delay Relays – Delay on Operate

## R34 Series



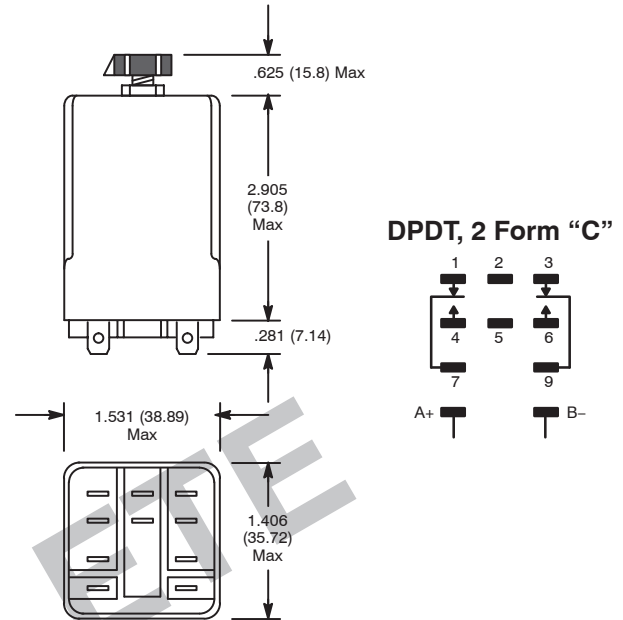
## DPDT, 12 Amp Adjustable Delay On Operate Time Delay Relay.

### Features

- $\pm 0.1\%$  Repeatability
- Socket Mount or Solderable
- .187" (4.75mm) Quick-Connect Terminals
- Knob with Calibrated Scale
- 2-Timing Ranges
- IC Hybrid Circuitry for Timing
- Impact Proof Dust Cover



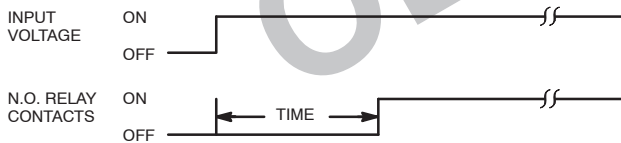
### D18



Note: Pin2 & Pin5 can be removed and have no electrical connection.

### 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.



## Electrical Specifications

### Contact

**Rating:** 12 Amps @ 120 VAC, 28 VDC Resistive  
 1/3 HP @ 120 VAC 1/2 @ 240 VAC  
**Life:** 300,000 operations @ 120 VAC, 12 Amp resistive  
 5,000,000 operations @ 32 VDC, 5 Amp resistive

### Input

**Nominal input voltage:** 120 VAC  
**Steady state input current:** 20mA @ 120 VAC

### Timing

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

### Repeat Accuracy

$\pm 0.1\% \pm 33$  mS AC 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:** Twice normal for 1 mS

### Dielectric Breakdown

**Contact To Coil:** 2000 VAC  
**Across Open Contact:** 1000 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 (96 grams) approx.

### AC OPERATED

NTE Type No.	Nom. Voltage	Contact Arr.	Input Cur. Nom.	Max. Contact Cur. @ 28VDC or 120VAC	Diag No.
R34-11A12-120K	120VAC	DPDT	20mA	12A	D18A
R34-11A12-120L	120VAC	DPDT	20mA	12A	D18A

### ACCESSORIES

MOUNTING STYLES	DESCRIPTION	NTE TYPE NO.
SURFACE MOUNT	11-PIN BLADE	R95-105
PANEL MOUNT SOLDER TERM	11-PIN BLADE	R95-116
PANEL MOUNT QUICK CONNECT	11-PIN BLADE	R95-124
DIN RAIL MOUNT	11-PIN BLADE	R95-115
PC MOUNT	11-PIN BLADE	R95-123