

# PC Mount Relays

## R48 Series



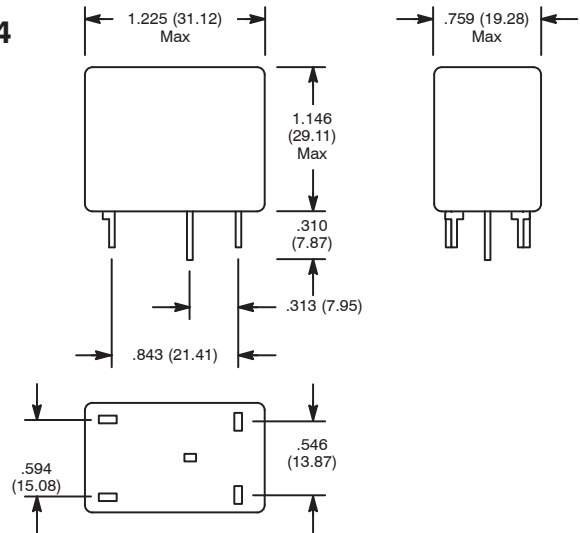
### Features

- PC Mountable
- Only 1.1 Cubic Inches
- Long Life
- Low Power Coil Types (L-suffix)



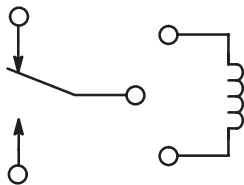
Miniature, General Purpose, 5 Amp & 10 Amp, DC, SPDT Relays for TV Remote Control, Burglar Alarms, Timers, Garage Door Openers.

D24



All terminals are .056 (1.42) x .025 (0.64)  
Recommended PC Board holes are .067 (1.7) Dia.

SPDT, 1 Form "C"



## Electrical Specifications

### Contact

**Rating:** 5 Amp 120/240 VAC  
10 Amp 28 VDC resistive load  
**Material:** Silver, gold plated  
(R48-5D5-12L, R48-5D5-24L, R48-5D10-24)  
Silver alloy  
(R48-5D5-6L, R48-5D10-6, R48-5D10-12)

### Coil

**Coil Voltages:** See Chart  
**Pick-up Voltages:** 80% of nominal Coil Vltg.  
**Drop-out Voltages:** 10% of actual pick-up (min.)  
**Resistance:** See Chart

### Operational Characteristics

**Timing Value** . . . . . **Operate Time:** 25 mS  
**Release Time:** 3 mS typ.

### Insulation Characteristics

**Dielectric Strength**  
**Contact To Coil Voltages:** 1500 VRMS  
**Across Open Contacts:** 500 VRMS  
**Coil To Frame:** 1500 VRMS  
**Resistance:** 1000 megohms min.  
@ 500 VDC

### Environmental Characteristics

**Operating:** -55°C to +85°C  
**Soldering:** 270°C (518°) max

### Life

**Mechanical:** 10,000,000 operations

### Weight

**Std:** 1.5 oz (42 grams) approx

DC OPERATED						
NTE Type No.	Nom. Volt.	Contact Arr.	Coil Res. Ohms (Typ)	Nom. Power	Max. Contact Cur. @ 28VDC or 120VAC	Diag No.
R48-5D5-6L	5/6VDC	SPDT	340	110mW	5A	D24
R48-5D5-12L	12VDC	SPDT	1350	100mW	5A	D24
R48-5D5-24L	24VDC	SPDT	5400	100mW	5A	D24
R48-5D10-6	5VDC	SPDT	100	110mW	10A	D24
R48-5D10-12	12VDC	SPDT	600	110mW	10A	D24
R48-5D10-24	24VDC	SPDT	2400	250mW	10A	D24