

# Power Relays

## R18 Series

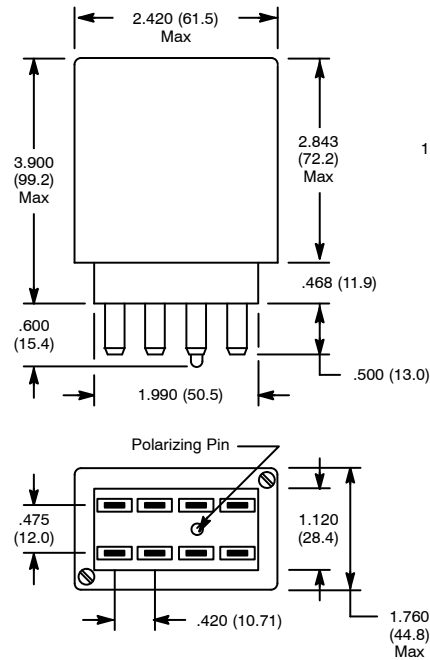
### Features

- Rectified Type Coil
- Clear, Tough Polycarbonate Plastic Cover
- Jones Plug Terminals
- Suitable for Domestic Switching of Tungsten Lamp Loads of 1000 Watts @ 120 VAC
- Polarizing Pin

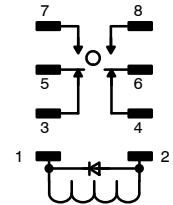


**Enclosed Style, 20 Amp AC Power DPDT Relay designed to Switch Tungsten Lamp Loads for the Traffic Control Industry.**

### D13



### DPDT, 2 Form "C"



## Electrical Specifications

### Contact

**Ratings:** 20 Amp, 28VDC (Resistive)  
 1 1/2 HP, 120VAC (Motor); 2 HP, 240VAC (Motor)  
 20 Amp, 120VAC (Tungsten Lamp)  
 10 Amp, 240VAC (Tungsten Lamp)

**Contact Arrangement:** DPDT

**Contact Material:** 3/8" dia Silver alloy

### Coil

**Coil Voltages:** See Chart

**Pull-in Voltage:** 70% of nominal AC @ 20°C or less

**Dropout Voltage:** 10% of nominal voltage or more

**Power:** 4.0 VA nominal

### Insulation Characteristics

#### Dielectric Strength

**Across Open Contacts:** 500 VRMS

**Contact To Coil:** 1500 VRMS

**Contact to Frame:** 1500 VRMS

### Environmental Characteristics

**Operating:** -40°C to +84°C

### Life Expectancy

**Mechanical:** 5 million operations min (No Load)

**Electrical:** 200,000 operations min. @ 20 Amps Tungsten, 120VAC

### Weight

**Std:** 7.2 ozs. (204.7 grams) approx.

AC OPERATED					
NTE Type No.	Nom. Voltage	Contact Arr.	Nom. Power	Max. Contact Cur. @ 28VDC or 120VAC	Diag No.
R18-11A20-120	120VAC	DPDT	4.0VA	20A	D13

ACCESSORIES		
MOUNTING STYLES	DESCRIPTION	NTE TYPE NO.
PANEL MOUNT	8-PIN JONES PLUG	R95-112