

# Special Function – Voltage Monitoring

## R67 Series



### Features

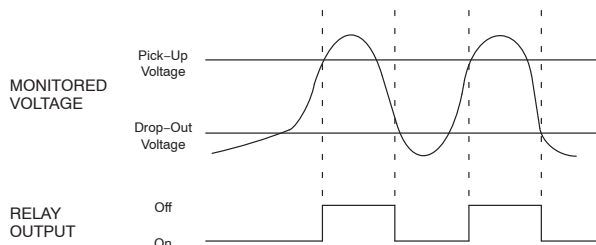
- Monitors AC Single Phase and DC Voltages
- Wide Range of User-Adjustable Pick-Up and Drop-Out Settings
- LED Indicates Output Relay Status
- Compact 8-Pin Octal Plug-In Case



### OPERATION

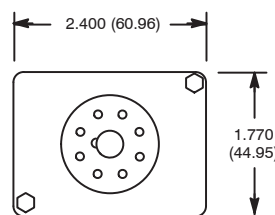
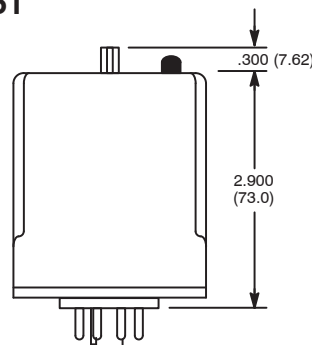
Voltage Monitor Relays provide protection to equipment where an over or under voltage condition is potentially damaging. They monitor either AC single phase (50–400Hz) or DC voltages. No supply (input) voltage is required.

The pick-up voltage setting is user-adjustable from 85–115% of the nominal voltage rating. As standard, the drop-out voltage setting is fixed at 3% below the pick-up voltage setting. The relay is energized when the monitored voltage is above the pick-up setting. The relay de-energizes when the monitored voltage is below the drop-out setting.

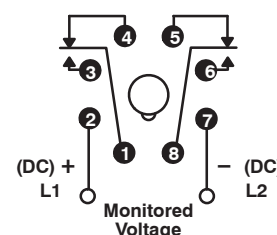


## Voltage Monitoring, DPDT, 10 Amp, AC & DC Relay.

### D61



### DPDT, 2 Form "C"



## Electrical Specifications

### Contact

**Rating:** 10 Amps resistive at 240VAC, 1/2 HP at 240VAC,

10 Amps resistive at 30VDC

**Life:** 500,000 operations at full load

**Mechanical Life:** 7,000,000 operations at no load

### Operational Characteristics

**Voltage Settings:** . . . **Pick-up:** Adjustable from 85–115% of nom

**Drop-out:** Fixed at 3% below pick-up setting

**Setting Accuracy:** +0%, -5% min; +5%, -0% max

**Timing Values:** . . . . **Operate Time:** 50 mS

**Release Time:** 50 mS

**Power Required:** 3VA

### Protection

**Transient:** 10,000V for 20 $\mu$ s

**Indicator LED:** Red LED on when relay is energized

**Reset:** Automatic

### Environmental Characteristics

**Operating:** -28°C to +65°C

### AC OPERATED

NTE Type No.	Nom. Voltage	Contact Arr.	Pick-up Voltage Range	Drop-out Voltage Range*	Max. Contact Cur. @ 30VDC or 240VAC	Diag No.
R67-11A10-24	24VAC	DPDT	21-27V	20-26V	10A	D61
R67-11A10-120	120VAC	DPDT	102-138V	99-134V	10A	D61
DC OPERATED						
R67-11D10-24	24VDC	DPDT	21-27V	20-26V	10A	D61

\* Fixed at 3% below the pick-up setting.

### 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