

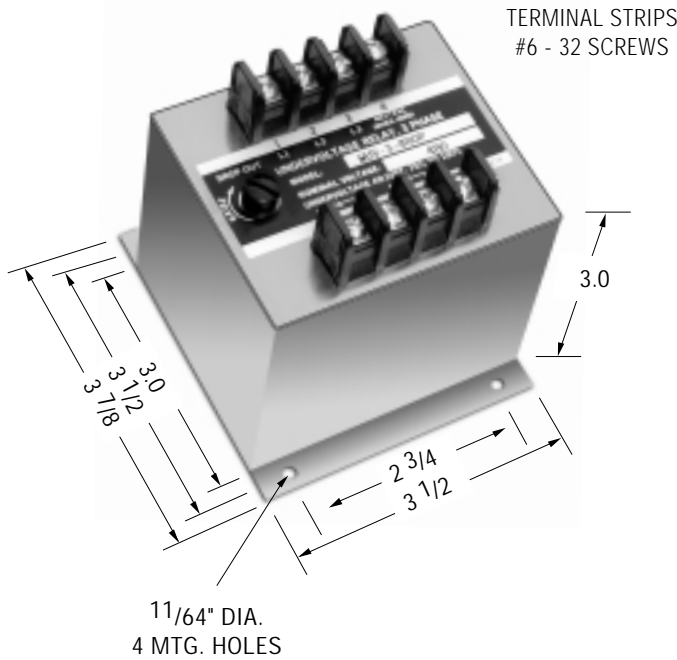
**WILMAR™ Protective Relays – WUV/WOV Series**

**Function:** 27/59

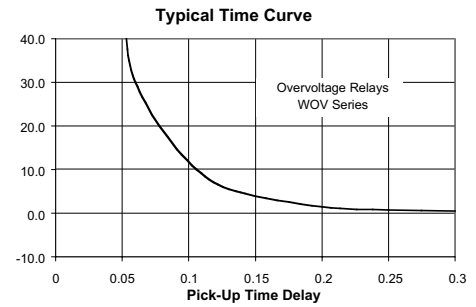
- ANSI/IEEE C37.90-1978
- UL file No. E58048
- CSA file No. LR61158



Voltage sensitive relays are available for both AC and DC applications for over/undervoltage protection. Combination over/undervoltage relays provide bandpass capabilities. AC relays are either single or three-phase type. Three phase models are designed to sense the average of the three phases or the highest single phase. Voltage trip points are screwdriver adjustable, and operation is time-delayed so that momentary voltage transients will not cause nuisance tripping.



**Note:** Dimensions in inches. Multiply values by 25.4 for dimensions in mm.



**PART NUMBER SELECTION**

Sample Part No. **WUV-1-120**

Type: \_\_\_\_\_  
WUV - Undervoltage  
WOV - Overvoltage

No. Phases \_\_\_\_\_  
1 = Single  
3 = Three

Line Voltage VAC \_\_\_\_\_  
120 416  
208 440  
220 460  
230 480  
240 525  
380 575

Options  
P - Transient Protection  
A - Two Normally Open Contacts  
B - Two Normally Closed Contacts  
H - 125VDC, 3A Contacts

PRODUCT SPECIFICATIONS	
Part Number	WUV/WOV
Nominal Voltage .....	120 VAC to 575 VAC
Phase .....	Single or Three
Line Frequency .....	50-400 Hz
Pick-up to Drop-out Differential .....	2.5% maximum
Drop-out Point (u/v models) .....	70-100% of nominal voltage, screwdriver adjustable
Pick-Up Point (o/v models) .....	100-125% of nominal voltage, screwdriver adjustable
Output Contacts .....	One set N.O., One set N.C.
Contact Ratings .....	5 amp resistive at 120 VAC or 28 VDC
Operating Temperature Range .....	-20°C to +65°C
Power Consumption .....	2 VA maximum
Time Delay .....	150-300 ms (UV Model)
Minimum Life .....	500,000 operations

**Transient Protection** - All voltage relays will withstand momentary voltage surges of twice the nominal rated input voltage (standard).

**Option "P"** provides additional transient protection which complies with the requirements of ANSI/IEEE C37.90-1978

Consult factory for additional models.

**Notes:**

1. Remove black screw for access to the voltage trip adjustment.
2. Clockwise rotation of the adjustment potentiometer will raise the voltage trip point.