

**WILMAR™ Protective Relays – WOUVT Series, Over/Undervoltage**

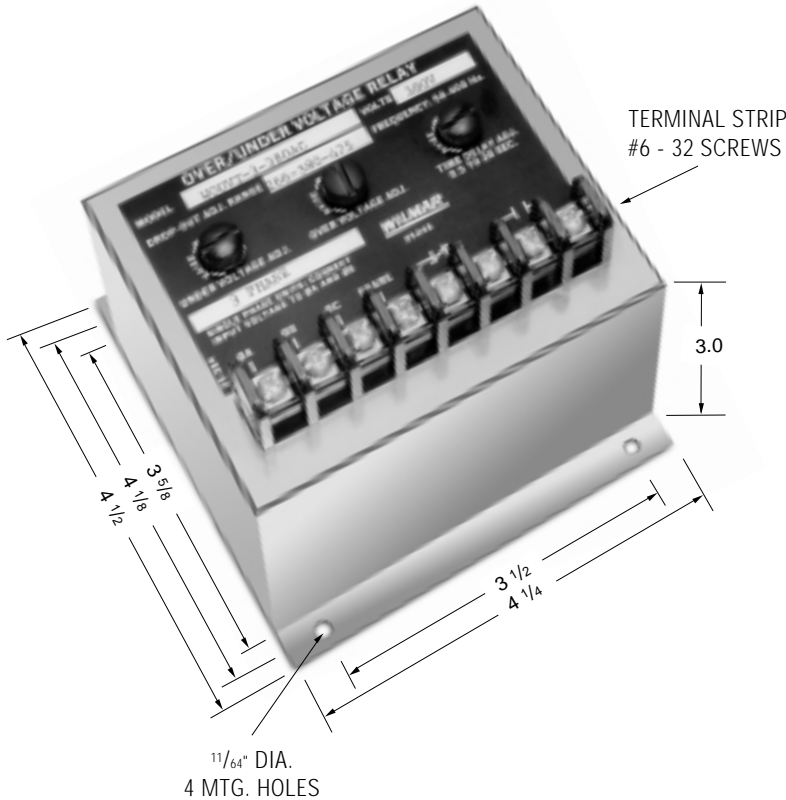
**Function:** 27/59

- ANSI/IEEE C37.90-1978

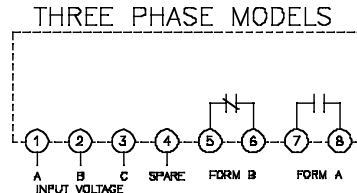
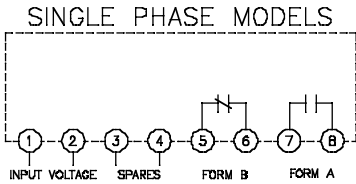
Voltage sensitive relays are available for both AC and DC applications for overvoltage and undervoltage protection. Combination over/undervoltage relays provide band-pass capabilities. AC relays are either single or three-phase type. Three phase relays are designed to sense the average of the three phases.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

**Operation:**

The relay will energize at normal voltage condition. The normally closed contact (Form B) will open and the normally open (Form A) will close. The relay will de-energize after time delay when over or undervoltage condition is reached.



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



**PART NUMBER SELECTION**

Sample Part No. **WOUVT -1-120AC**

Type: WOUVT - Over/Undervoltage

No. Phases: 1 = Single  
3 = Three (line to line)

Line Voltage VAC: 115 400  
120 416  
200 440  
208 460  
220 480  
230 525  
240 575  
380

**Options:**

- Blank - Standard
- A = 2 Form A Contacts
- B = 2 Form B Contacts
- H = 125 VDC Contacts
- P = Transient Protection

Option "H" provides for contacts rating of 3 amps @ 125VDC.

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

Consult factory for additional models.

**PRODUCT SPECIFICATIONS**

Part Number	WOUVT
Nominal Voltage .....	120 VAC to 575 VAC
Phase .....	Single or Three
Line Frequency .....	50-400 Hz
Type of Sensing .....	Average of all three phases
Undervoltage Trip .....	70-100% of nominal voltage, screwdriver adjustable
Overvoltage Trip .....	100-125% of nominal voltage, screwdriver adjustable
Drop-out Time Delay .....	0.5 to 20 seconds, screwdriver adjustable
Pick-up to Drop-out Differential .....	2% maximum
Output Contacts .....	One set N.O., One set N.C.
Contact Ratings .....	5 amp resistive at 120 VAC or 28 VDC
Operating Temperature Range .....	-40°C to +70°C
Power Consumption .....	4 VA maximum

**Notes:**

1. Remove black screw for access to the voltage trip and time delay adjustment potentiometer.
2. Clockwise rotation of the voltage adjustment potentiometer will raise the voltage trip point.
3. Clockwise rotation of the time adjustment potentiometer will increase the drop-out time delay.