

WOUVT Series, Over/Undervoltage

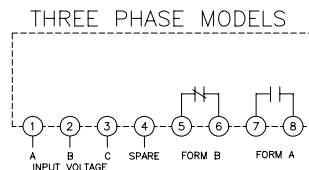
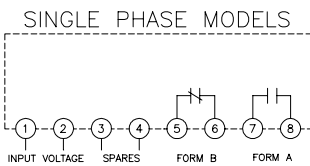
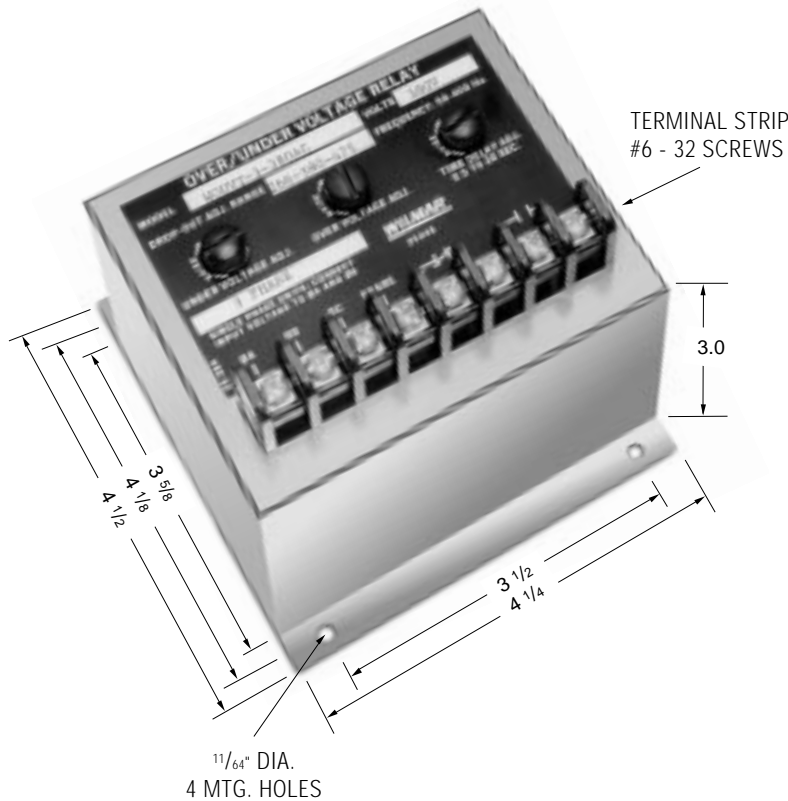
Function: 27/59

- 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.



PART NUMBER SELECTION

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

Type:

No. Phases:

Line Voltage VAC:

- 1 = Single
- 3 = Three (line to line)
- 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

See pages 30-38 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.