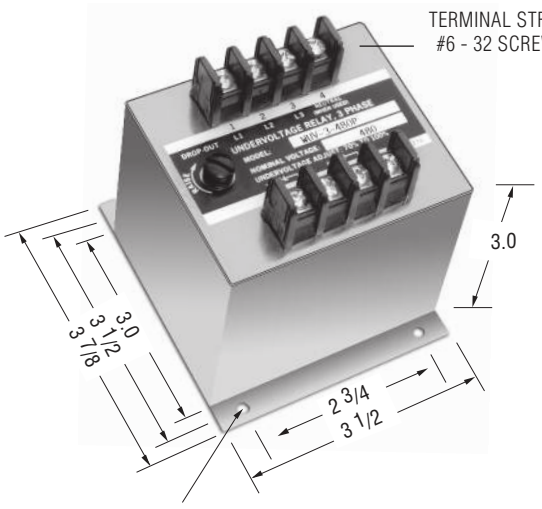
WUV/WOV Series

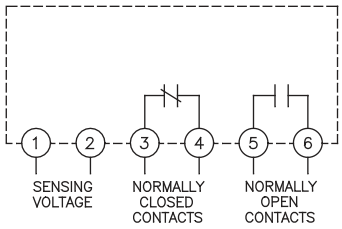
Product Facts

- **Function 27/59**
- **ANSI/IEEE C37.90-1978**
- **UL File No. E58048**
- **CSA File No. LR61158**

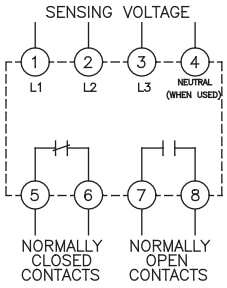
Voltage sensitive relays are available for both AC and DC applications for over/undervoltage protection. Combination over/undervoltage relays provide bandpass capabilities. AC relays are either single or three-phase type. Three phase models are designed to sense the average of the three phases or the 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.



Single Phase



Three Phase

Product Specifications

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

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.

Ordering Information

Sample Part Number ▶ **WUV -1 -120**

Type:
WUV - Undervoltage
WOV - Overvoltage

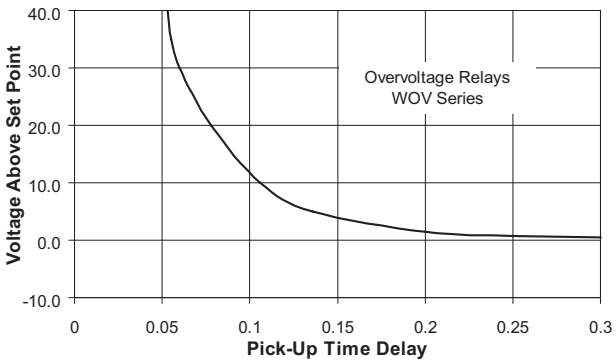
No. Phases
1 = Single
3 = Three

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

Typical Time Curve



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.

Catalog 5-1773450-5
Revised 3-13

www.te.com

Dimensions are shown for reference purposes only. Specifications subject to change.

Dimensions are in millimeters unless otherwise specified.

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For additional support numbers please visit www.te.com