

WUVT/WOVT Series

Product Facts

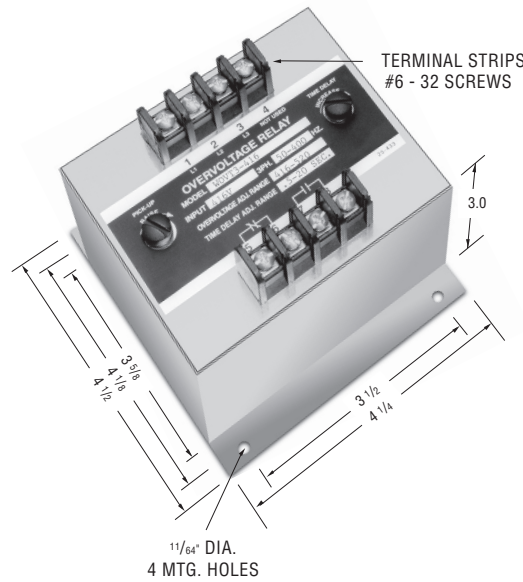
- Function 27/59
- ANSI/IEEE C37.90-1978
- UL File No. E58048
- CSA File No. LR61158

Undervoltage Models

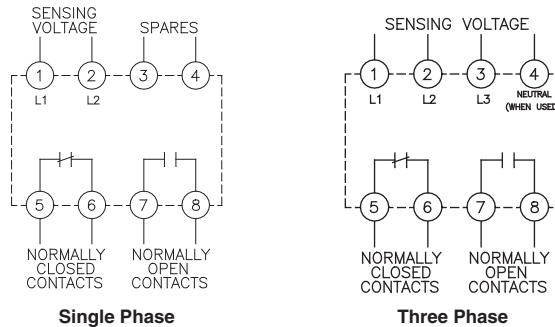
The relay is energized at normal voltage, N.C. contacts will open and N.O. contacts will close. The relay will de-energize when the voltage drops and remains below the U/V set point for the duration of the set time delay.

Overvoltage Models

The relay is de-energized at normal voltages, N.C. contacts are closed and N.O. contacts are open. The relay will energize, when the voltage rises and remains above the O/V set point for the duration of the set time delay.



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



Product Specifications

- Nominal Voltage** — 100 VAC to 575 VAC
- Phase** — Single or Three
- Line Frequency** — 50-400 Hz
- Pick-up to Drop-out Differential** — 1% typical
- 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** — -40°C to +70°C
- Power Consumption** — 3 VA maximum
- Time Delay** — 0.5 to 20 seconds, screwdriver adjustable
- Voltage Reset** — The reset is automatic when voltage returns to normal.

Notes:

1. Remove black screws for access to the voltage and time delay adjustment potentiometer.
2. Clockwise rotation of the voltage adjust potentiometer will raise the voltage trip point.
3. Clockwise rotation of the time adjust potentiometer will increase the time delay (Pick-up time for O/V models, drop-out time for U/V models).
4. The adjustments are single turn potentiometers, use a small screwdriver and do not force beyond the limit stops.
5. On U/V models, when the voltage falls to approximately 33% of nominal or below, the relay will drop out in 0.150 to 0.300 seconds, regardless of the time delay setting.

Ordering Information

Sample Part Number ▶ **WUVT -1 -120**

Type: _____
WUVT - Undervoltage
WOVT - Overvoltage

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

Line Voltage VAC _____
100 240
115 380
120 416
150 440
200 460
208 480
220 525
230 575

Options:

- Blank - Standard
- A = 2 Form A Contacts
- B = 2 Form B Contacts
- H = 125VDC 3A Contacts
- P = Transient Protection

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.