

WUVT/WOVT Series

Product Facts

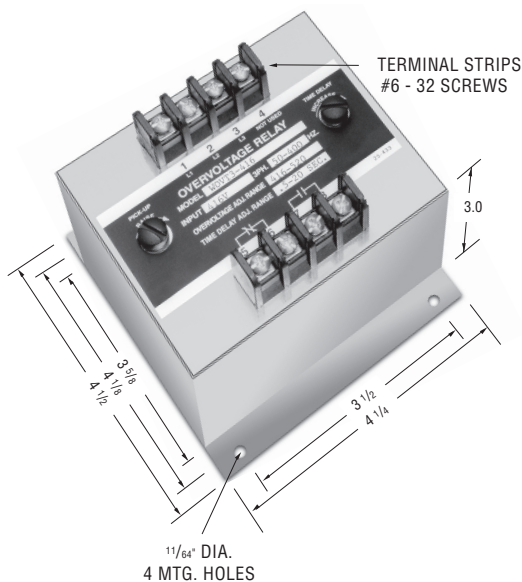
- Function 27/59
- ANSI/IEEE C37.90-1978
- UL File No. E58048
- CSA File No. LR61158

Undervoltage Models

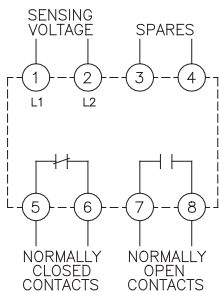
The relay is energized at normal voltage, N.C. contacts will open and N.O. contacts will close. The relay will de-energize when the voltage drops and remains below the U/V set point for the duration of the set time delay.

Overvoltage Models

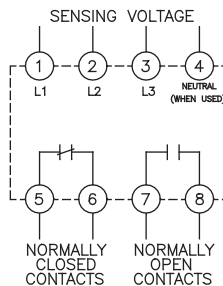
The relay is de-energized at normal voltages, N.C. contacts are closed and N.O. contacts are open. The relay will energize, when the voltage rises and remains above the O/V set point for the duration of the set time delay.



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



Single Phase



Three Phase

Ordering Information

Sample Part Number ►

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

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.

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.