

250 Series, Over/Undervoltage

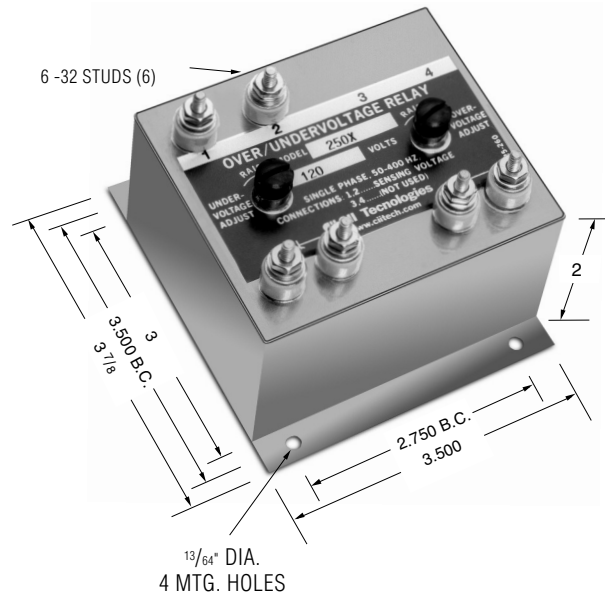
Product Facts

- Function 27/59
- ANSI/IEEE C37.90-1978

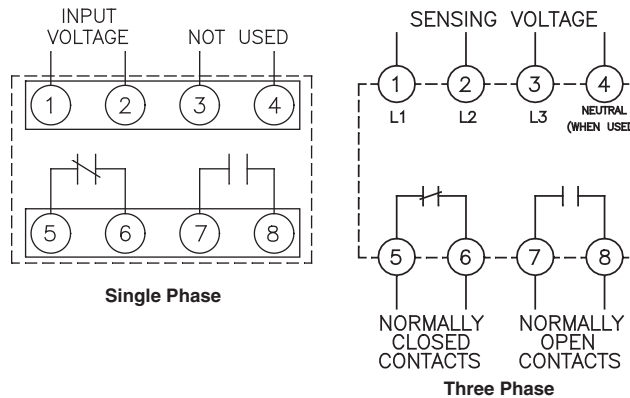
The 250 series relays provide combined Overvoltage and Undervoltage protection in a single compact unit.

Models are available for single phase or three phase applications, and are suitable for either 50 Hz, 60 Hz, or 400 Hz operation. The trip point is adjustable.

A transistorized circuit provides a sharp and accurate response at the preset tripping voltage; unaffected by temperature or frequency variations.



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



Ordering Information

Sample Part Number

Model: L-L Volts

250X = 120 VAC, 1 Phase, 50-400 Hz
 251X = 120/208 VAC, 3 Phase, 4 Wire, 50-400 Hz
 252X = 115 VAC, 3 Phase, 3 Wire, 50-400 Hz
 253X* = 230 VAC, 3 Phase, 3 Wire, 50-400 Hz
 254X* = 380 VAC, 3 Phase, 3 Wire, 50-400 Hz
 255X* = 460 VAC, 3 Phase, 3 Wire, 50-400 Hz
 256X* = 575 VAC, 3 Phase, 3 Wire, 50-400 Hz

Mounting

Blank = Stud
 X = Flange

* Enclosure height is 3.835"

Product Specifications

Nominal Voltage — See Ordering Information

Undervoltage Trip — 70-100% of nominal voltage, screwdriver adjustable

Overvoltage Trip — 100-125% of nominal voltage, screwdriver adjustable

Pick-up to Drop-out Differential — 3% maximum

Contact Ratings — 5 amp resistive at 120 VAC or 28 VDC

Contact Form — One set N.O., one set N.C.

Operating Temperature Range — -20°C to +85°C

Notes:

1. Remove screws for access the overvoltage or undervoltage trip adjustments. Clockwise rotation of the adjustment potentiometer will raise the trip point.

Contact Arrangements

NC — Open at nominal voltage. Closed at Overvoltage and Undervoltage

NO — Closed at nominal voltage. Open at Overvoltage and Undervoltage