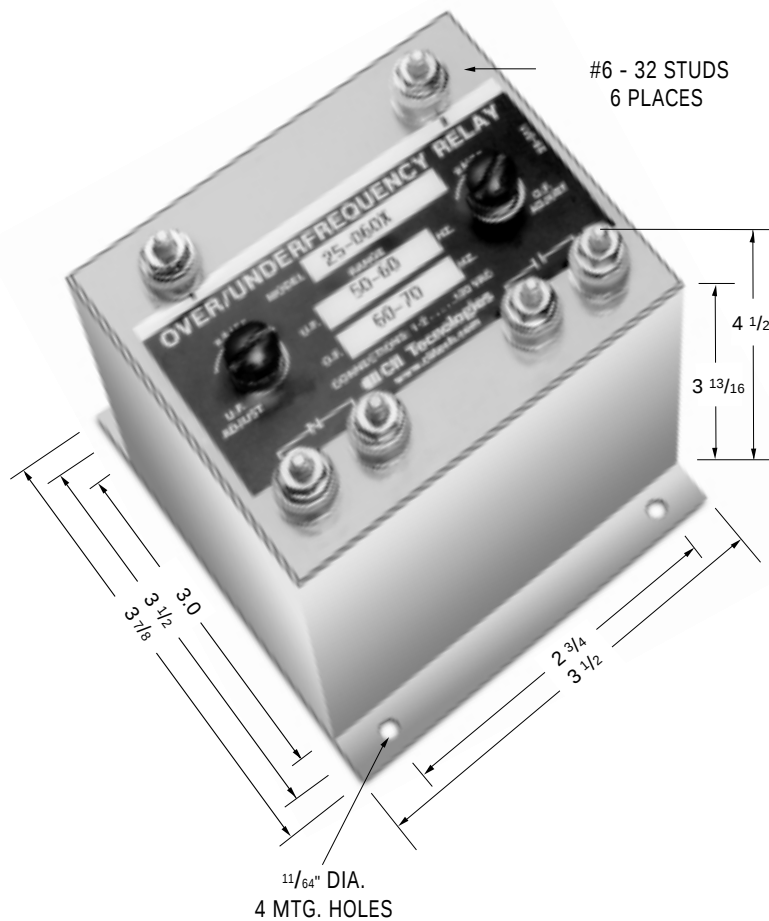


WILMAR™ Protective Relays – 25-000 Series



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

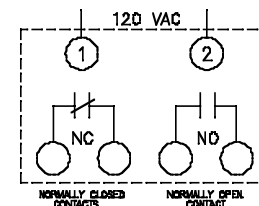
Function: 81 O/U

• ANSI/IEEE C37.90-1978

The output contacts of frequency relays are energized when the frequency exceeds the adjustable set point. Overfrequency and underfrequency relays are available in 50, 60 and 400Hz. Combination over/underfrequency "band pass" relays are also available. These are energized at rated frequency and de-energized during overfrequency or underfrequency conditions. Frequency Differential relays are energized above the preset frequency. The pick-up and drop-out frequency settings are independently adjustable.

Operation:

The normally open contacts close, and the normally closed contacts open, at nominal frequency. The contacts are de-energize at underfrequency, overfrequency or no input voltage.



PRODUCT SPECIFICATIONS

Part Number	25-000 Series
Input Voltage (±10%)	120 VAC
Frequency Range (adjustable)	See Part Number Selection
Trip Points	Screwdriver adjustable
Temperature Range	-20°C to +85°C
Temperature Drift	± 1% frequency error over temperature range
Voltage Drift	± 1% frequency error input voltage variation of ± 10%
Contact Ratings	5 Amp resistive at 120 VAC or 28VDC
Output Contacts	One set N.O., One set N.C.

Notes:

1. The contacts are shown in the de-energized position.
2. Remove screws for access to the underfrequency and overfrequency trip adjustments.
3. Clockwise rotation of the adjustment potentiometer will raise the frequency trip points.

PART NUMBER SELECTION

Sample Part No. 25-050X

Type:

25 - Over/Underfrequency

Frequency Range	Under	Over
050 =	40-50 Hz	50-60 Hz
060 =	50- 60 Hz	60-70Hz
400 =	350- 400 Hz	400-450Hz

Mounting Options

X = Flange

blank = Stud

Consult factory for additional models.