

**WILMART™ Protective Relays – 25-000 Series**

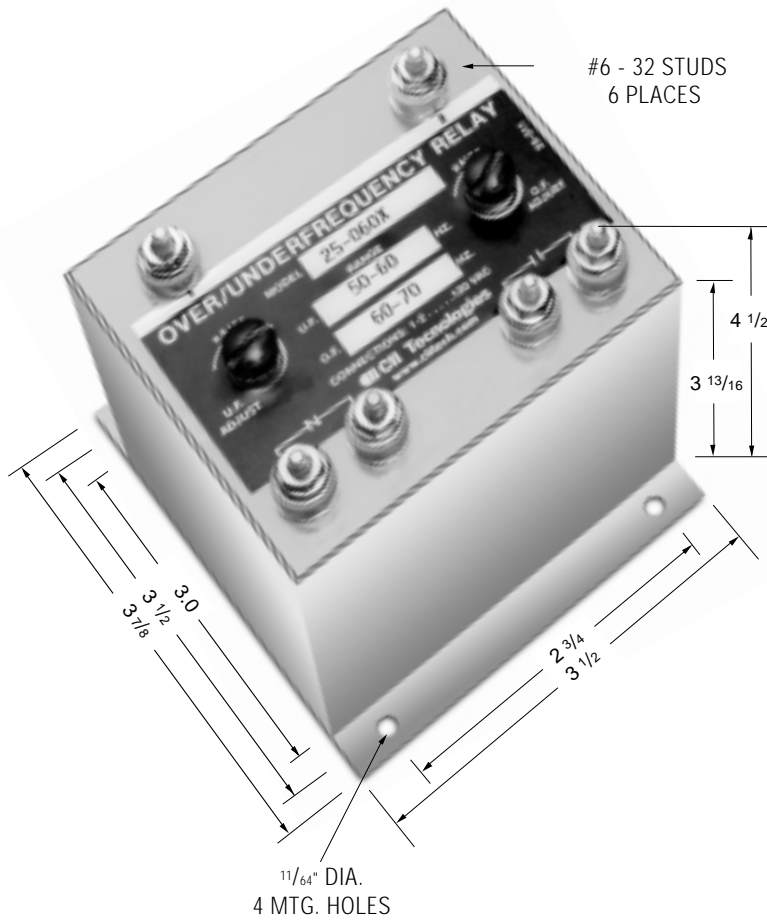
**Function:** 81 O/U

- ANSI/IEEE C37.90-1978

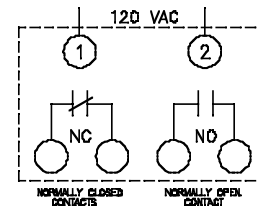
The output contacts of frequency relays are energized when the frequency exceeds the adjustable set point. Overfrequency and underfrequency relays are available in 50, 60 and 400Hz. Combination over/underfrequency “band pass” relays are also available. These are energized at rated frequency and de-energized 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.



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



PRODUCT SPECIFICATIONS	
<b>Part Number</b>	<b>25-000 Series</b>
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.

**PART NUMBER SELECTION**

Sample Part No.	25-050X	
Type:	25 - Over/Underfrequency	
<b>Frequency Range</b>	<b>Under</b>	<b>Over</b>
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.

**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.