

25-000 Series

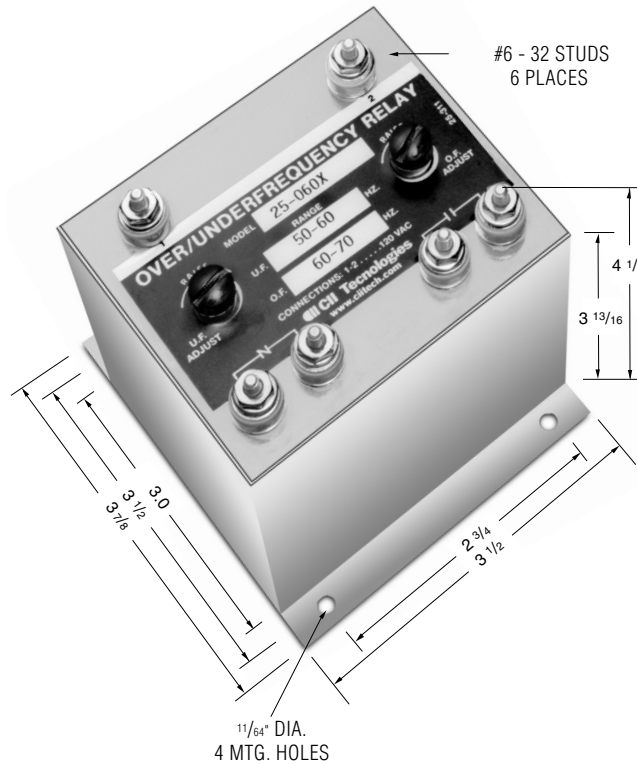
Product Facts

- 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.



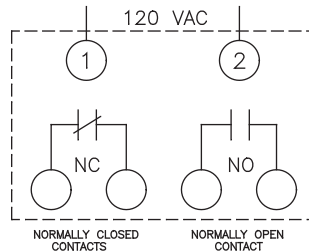
Product Specifications

- Input Voltage ($\pm 10\%$)** — 120 VAC
- Frequency Range (adjustable)** — See Ordering Information
- Trip Points** — Screwdriver adjustable
- Temperature Range** — -20°C to $+85^{\circ}\text{C}$
- Temperature Drift** — $\pm 1\%$ frequency error over temperature range
- Voltage Drift** — $\pm 1\%$ frequency error input voltage variation of $\pm 10\%$
- 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.

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



Ordering Information

Sample Part Number ▶ **25 -050 X**

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.

Protective Relays