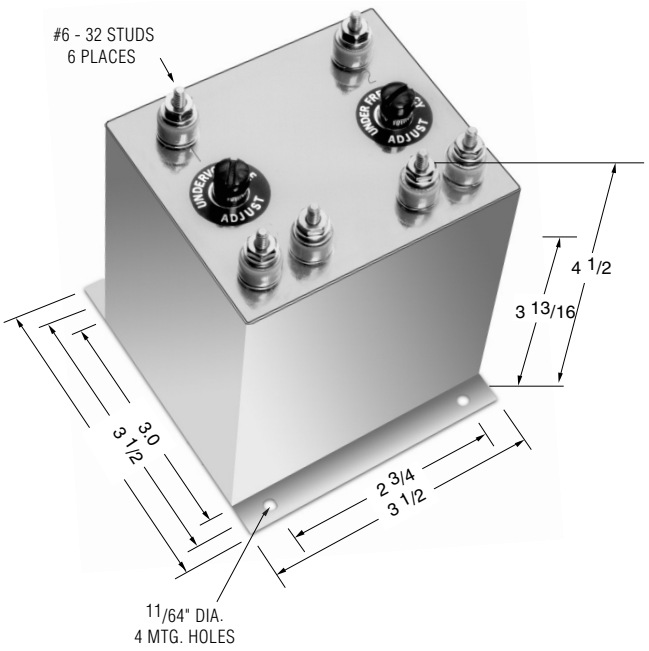
20-050-19 Series (Voltage/Frequency)

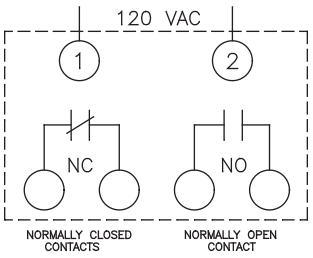
Product Facts

- **Function 27/81**
- **ANSI/IEEE C37.90-1978**
- **UL file No. E58048**
- **CSA file No. LR61158**

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.



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



Product Specifications

Nominal Voltage (±20%) — 120 VAC, Single Phase

Nominal Frequency — 60 Hz.

Voltage Adjustment Range (PU) — 85 to 120 VAC

Frequency Adjustment Range (PU) — 45 to 60 Hz

Output Contacts — One set N.O., one set N.C.

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

Notes:
1. Remove black screws for access to the voltage and frequency and the time adjustments.
2. Clockwise rotation of the voltage adjustment potentiometer will raise the voltage trip point.
3. Clockwise rotation of the frequency adjustment will raise the frequency time point.

Ordering Information

Sample Part Number ▶ **20-050-19X**

Type:
20-050-19 = Voltage/Frequency

Mounting Options
Blank = stud
X = Flange

Options:
P = Surge Suppression

Consult factory for additional models.

Catalog 5-1773450-5
Revised 3-13

www.te.com

Dimensions are shown for reference purposes only. Specifications subject to change.

Dimensions are in millimeters unless otherwise specified.

USA: +1 800 522 6752
Asia Pacific: +86 0 400 820 6015
UK: +44 800 267 666

For additional support numbers please visit www.te.com