



FREQUENCY SENSOR

7000

DESCRIPTION:

The Series 7000 Frequency Sensor utilizes an integrated circuit digital logic design to determine, cycle by cycle, whether a given input signal is within a predetermined frequency pass band.

ELECTRICAL SPECIFICATIONS

Input Voltage: 95 to 135 VAC

Frequency Range: 320 to 480 Hz

Accuracy: $\pm 2\%$

Contact: SPDT or DPDT

Contact Rating:

4 A at 30 VDC Res.

2 A at 115 VAC 400 Hz Res.

Current Drain: 150 mA maximum

Hysteresis: .5% from Trip Point

ENVIRONMENTAL SPECIFICATIONS:

Temperature Range: -55°C to $+85^{\circ}\text{C}$

Vibration: 20 G's, 10 to 2000 Hz.

Shock: 50 G's, 11 ± 1 milliseconds duration.

Insulation Resistance: 1000 megohms, minimum at 500 volts DC, all terminals to case.

Dielectric Strength: 1000 volts RMS, 60 Hz, all terminals to case.

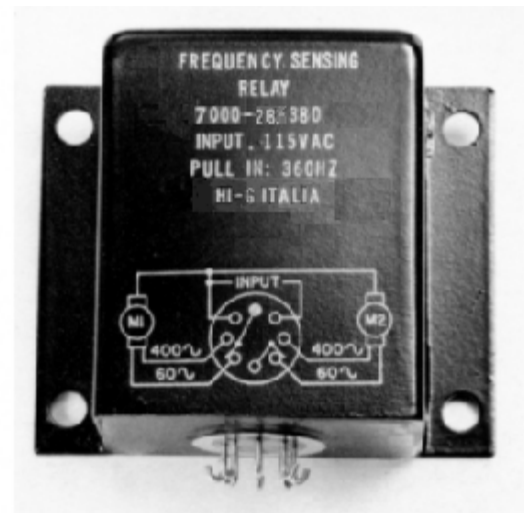
Sealing: Hermetic, 1.3 inches of mercury.

Life: 100,000 operations minimum.

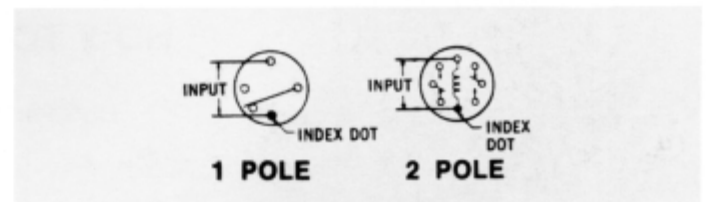
Weight: 8.5 oz. max.

OPTIONS:

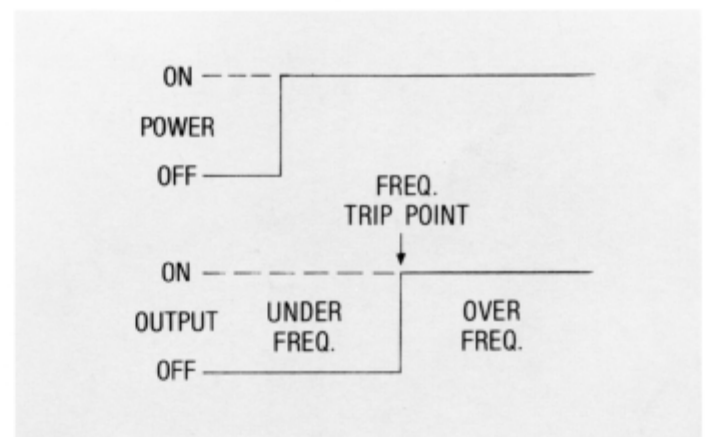
- 60 Hz Sensing
- 50 Hz Sensing
- Dual Trip Points
- Tighter Accuracy
- Different Packages
- Higher Temperature Range
- Up to 4 PDT
- 10 A Contacts



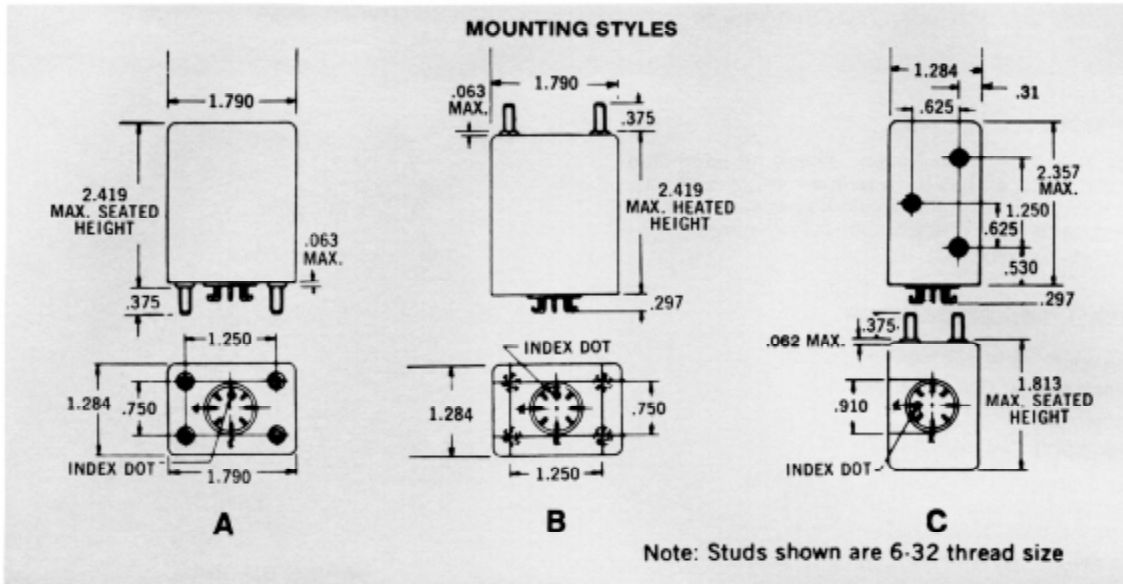
WIRING DIAGRAM



TIMING DIAGRAM



MECHANICAL SPECIFICATIONS



HOW TO ORDER:

Example:

Hi-G Part Number

7000 - 2 B - 380

MODEL

FREQUENCY TRIP POINT

CONTACT FORM

MOUNTING

A typical 7000-2B-380 consists of a DPDT contacts, mounting style B, 380 Hz trip point -55°C to 85°C.