



Under Voltage and Frequency Monitor

SPECIFICATIONS

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| SUPPLY VOLTAGE | 120 VAC, 60 Hz, Nominal |
| TRIP FREQUENCY RANGE | 44 - 60.98 Hz, Adjustable |
| FACTORY SET POINT | 57 Hz |
| UNDER VOLTAGE | 50% - 90% of Nominal, Adjustable |
| TRIP TIME DELAY | 0.07 - 1.3 Seconds, Adjustable |
| OUTPUT | SPDT, 3 Amps @ 120 VAC, Resistive |
| TEMPERATURE | Operate -5° to 160°F (0° to +45°C) Storage -40° to 185°F (-40° to +60°C) |
| INDICATOR | LED Glows When Frequency & Voltages Are Above the Preset Trip Point |
| ENCLOSURE | Style "E" Surface Mounted, Lexan |
| TERMINATIONS | (12) #8-32 Screw Terminals |

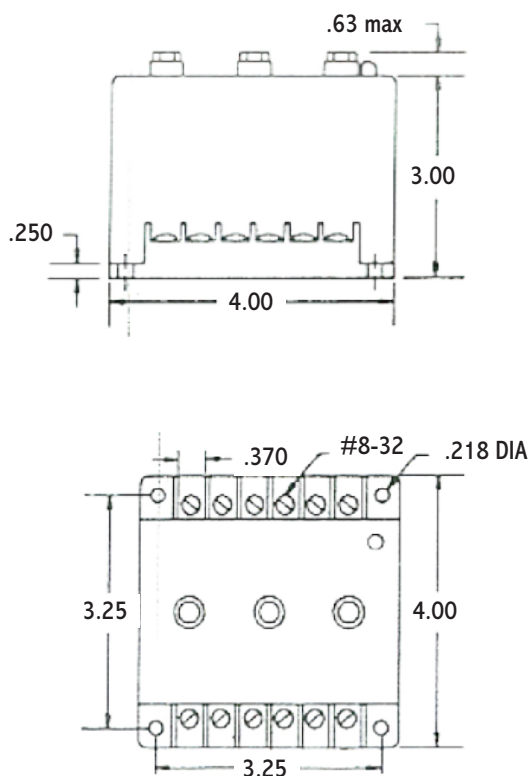
ORDERING INFORMATION

| MODEL NUMBER | DESCRIPTION |
|--------------|-------------------------------------|
| SP-0133 | Under Voltage and Frequency Monitor |

OPERATION

The SP-0133 is a frequency sensing monitor/relay used to detect when the monitor line frequency falls below a predetermined point. When the frequency falls below the under frequency limit for a period longer than the adjustable drop out delay (0.07 to 1.3 seconds), the internal relay de-energizes. When the frequency rises above the trip point, the relay energizes. There is also an under voltage feature to this model. When the voltage falls below the field adjustable setting, the relay de-energizes. When the voltage rises above the trip point, the relay energizes. The LED glows when power is applied to the input terminal and is above the under frequency and under voltage trip points.

DIMENSIONS (INCHES)



SUPPLY VOLTAGE

