

# Single-Phase Voltage Monitor

Model 202-200-SP



## Features:

- Protects motor from:
  - High voltage
  - Low voltage
- Small compact size saves precious panel space
- Quick mounting with a single screw
- Standard ¼" quick connects
- Adjustable restart delay
- Diagnostic LED
- UL listed\*
- 5-year warranty
- Made in USA

The Model 202-200-SP is a voltage monitor designed to protect single-phase motors regardless of size. It is used on 190-240VAC, 50/60Hz motors to prevent damage caused by low voltage or high voltage.

A unique microcontroller-based voltage sensing circuit constantly monitors the single-phase voltage to detect harmful power line conditions. When a harmful condition is detected, the 202-200-SP's output relay is deactivated after a fixed trip delay. The output relay reactivates after power line conditions return to an acceptable level and a specified amount of time has elapsed (restart delay). The trip delay prevents nuisance tripping due to rapidly fluctuating power line conditions.

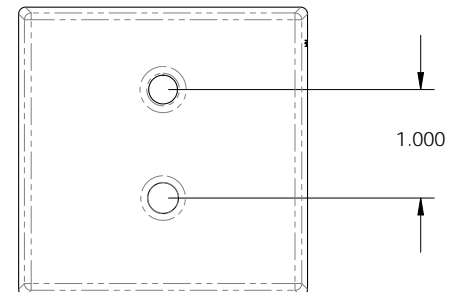
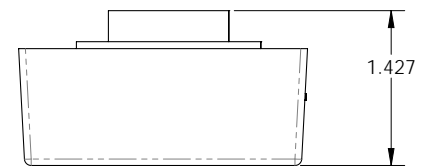
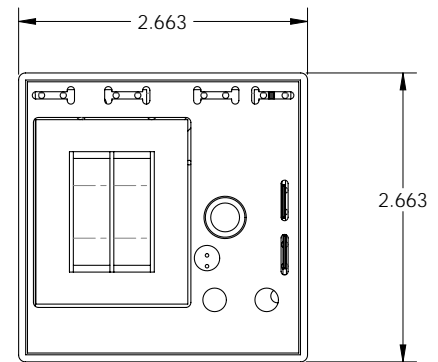
\* Note: To obtain UL listing for the 202-200-SP, use insulated ¼" UL recognized female quick connects.



## Specifications

Functional Specifications	
Low Voltage (% of setpoint)	
Trip	90%
Reset	93%
High Voltage (% of setpoint)	
Trip	110%
Reset	107%
Trip Delay Time	
High and Low Voltage	4 seconds
Restart Delay Time	
After a fault of complete power loss	Manual, 2-300 seconds (adjustable)
Input Characteristics	
Supply Voltage	190-240VAC ±10%
Frequency	50/60Hz (note: 50Hz will increase all delay timers by 20%)
Output Characteristics	
Output Contact Rating-SPDT	480VA@240VAC Pilot Duty 10A@240VAC General Purpose
General Characteristics	
Operating Temperature	
Ambient	-40° to 70° C (-40° to 158° F)
Maximum Input Power	5 W
Relative Humidity	95%, non-condensing
Standards Passed	
Electrostatic Discharge (ESD)	IEC 61000-4-2, ±4kV
Surge	IEC 61000-4-5
Safety Marks	
UL	UL508 (#E68520)
Dimensions	2.663" H x 2.663" W x 1.427" D
Weight	8 oz.
Mounting Method	Surface Mount (with #8 screw)

## Enclosure Dimensions



## How to order:

Part Number: 202-200-SP

