

THE ENERGY CRISIS

can be deadly to your compressor.

Flash and flicker caused by power grid overload can:

- Cause voltage anomalies
- Kill an HVAC system
- Cause motor damage and burnout
- Cause compressor short cycle

Install the WAGNER DSP-1 Single Phase Line Voltage Monitor to help save your compressor.



WAGNER
MANUFACTURING
A Division of DiversiTech

A trusted name for over 25 years.



Residential Protection Kit

1) Digital Single Phase Line Voltage Monitor

Digital Single Phase Line Voltage Monitor

The **DSP-1** is an automatic digital voltage monitor and control system. By continuously measuring the incoming line voltage, this monitor will detect voltages outside of the tolerance that you set. If these limits are exceeded, the response timer is started. This timer may be set to a long time value to avoid nuisance tripping, or to a short time value to offer a higher level of load protection. If the voltage remains outside of the selected tolerance after the time has elapsed, the DSP-1 will turn off its output relay and protect your device. While the load is off, an additional lockout timer is activated to avoid rapid restarts.



FEATURES:

- Digital voltmeter displays instantaneous line voltage
- Automatic voltage tester adjusts from 90 to 300 volts
- Adjustable response timer (0.1 to 10 sec.) prevents nuisance tripping
- Adjustable delay on break (DOB) timer (1 to 720 sec.) prevents rapid re-starts
- Off, Auto, On settings for operation with or without control inputs
- Digital display makes for easy viewing and operation

FACTORY SETTINGS:

208 volts 12% tolerance
30 second DOB lockout 2 second response 0 second delay
Control: auto

SPECIFICATIONS:

Voltmeter: 90 to 300 Volts
Accuracy: \pm / - 2% of indicated average voltage
Tolerance Limits: 12 or 18%
Response Timer: 0.1 to 10 seconds
DOB Timer: 1 to 720 seconds
Output Relay: 10 Amps, 220 VAC resistive, single-pole/double-throw
Control Input: 18 to 250 VAC

Wagner's Single Phase Motor Protector should be used in addition to, and not as a replacement for lightning protection systems. Wagner warrants the Single Phase Motor Protector to be free of defects and to operate per our specifications. In case of product failure, Wagner Manufacturing will be liable for only the replacement cost of the Single Phase Motor Protector. Specifications and product improvements subject to change at the manufacturer's discretion.



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