

Features

Compact design saves on precious panel space.

A multi-turn potentiometer is used to set the trip point anywhere from 2 - 135 A.

Sensor power and output status LEDs.

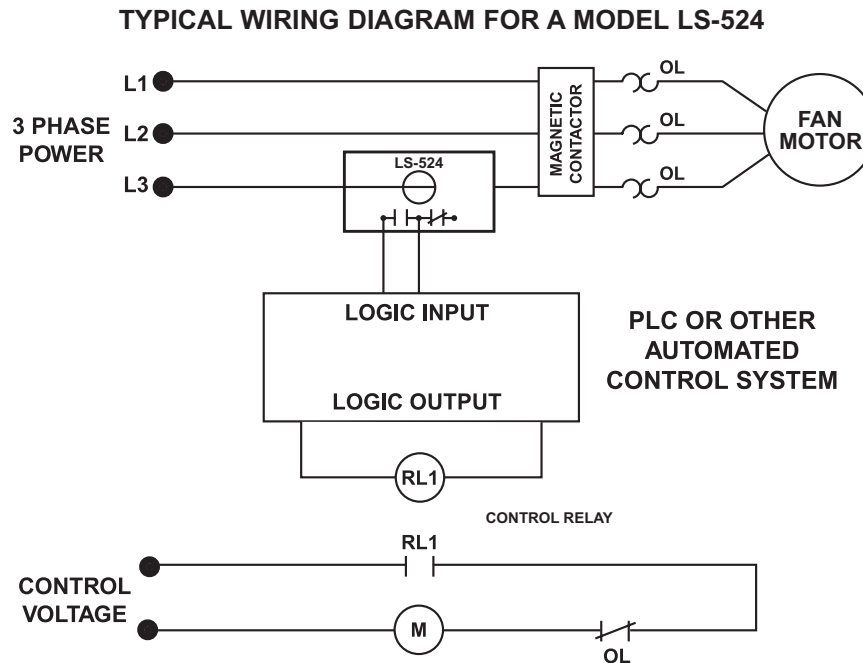
Contacts can switch 0.5A @ 30 VAC/DC.

Screw terminals eliminate messy pigtail connections.

Requires no external power because power is induced from the motor conductor.



Model LS-524 Load Sensor uses current levels to accurately indicate load loss on fans, pumps, conveyors, or any electrical circuit for building automation systems. Since current typically drops 50% to 70% on many load loss situations, the Model LS-524 device can easily be set to indicate this condition. One simple screwdriver adjustment will calibrate this model for all single phase or three phase applications up to 135 Amps.



Motorsaver
THREE-PHASE ELECTRIC
MOTOR PROTECTOR

**Model
LS-524
Load Sensors**

**Engineered
Protection**

Features:

- CSA and CSA-NRTL/C
- 2 Year Warranty
- Made in USA
- Standard Surface Mount
- Screw Terminal Connections
- Adjustable Multi-turn Potentiometer

Critical applications include:

- Fan Motors
- Scroll Compressors
- Grinders
- Conveyor Systems
- Elevators
- Escalators

Switches loads based on current level changes associated with:

- Motor Failure
- Belt Loss
- Broken Shaft
- Bearing Failure
- Heating Element Failure
- Load Loss on Fans or Pumps
- Replaces Differential Pressure Switch



Motorsaver[®] Model LS-524

THREE-PHASE ELECTRIC MOTOR PROTECTOR

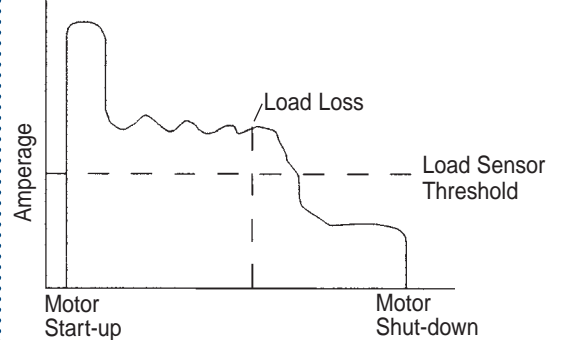
Load Sensor

Specifications

Operating Points

Special Options

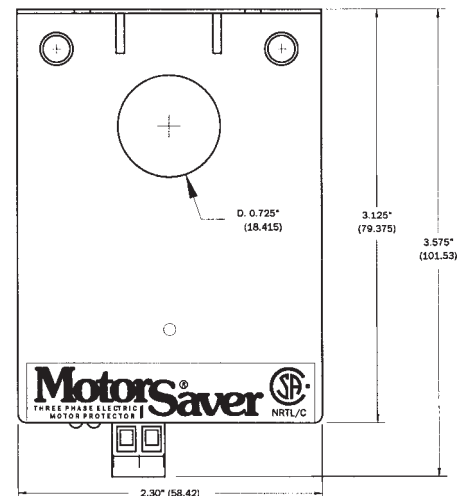
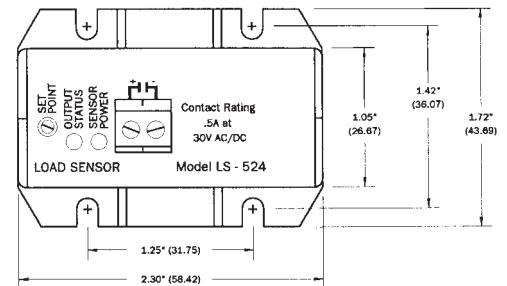
Typical Load Curve for a Fan or Pump



Specifications

- Amperage Rating.....0 to 135A continuous
- Horsepower (hp) Rating0 to 100 hp
- Sensor Supply Voltage.....Induced from monitored conductor
- Supply Current.....Induced from monitored conductor
(min. conductor current required = 2A)
- Isolation.....600 VAC rms
- Trip Set-point.....Adjustable to $\pm 1\%$ of range
- Sensor Hole Size.....0.725" diameter
- Solid State Contact Rating..... 0.5A at 30 VAC/DC
(polarized if using DC, see diagrams)

Caution: This product should not be relied upon solely in life or safety applications.



SymCom warrants its microcontroller-based products against defects in material or workmanship for a period of five (5) years from the date of manufacture. All other products manufactured by SymCom shall be warranted against defects in material and workmanship for a period of two (2) years from the date of manufacture. For complete information on warranty, liability, terms, returns, and cancellations, please refer to the SymCom Terms and Conditions of Sale document.

