

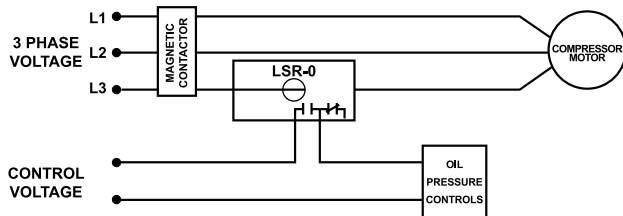
LSR-0

Self-powered load sensor/low-cost proof relay

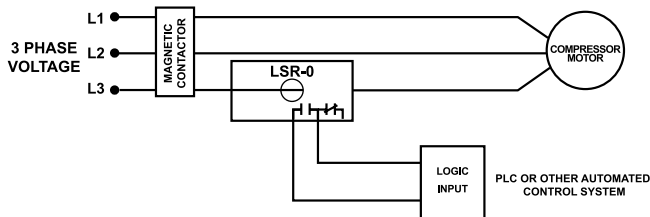


Wiring Diagram

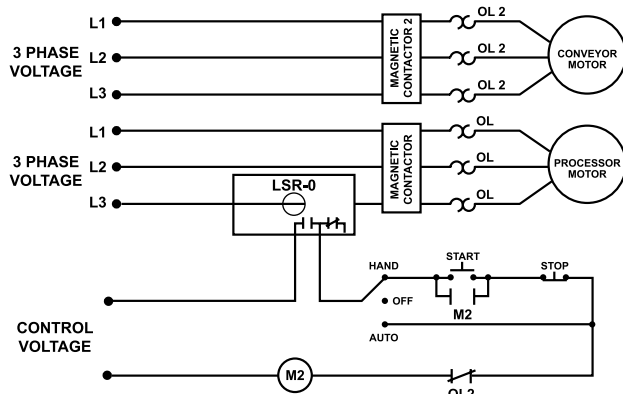
TYPICAL WIRING DIAGRAM FOR REFRIGERATION AND OIL FAILURE CONTROL



TYPICAL WIRING DIAGRAM FOR BUILDING AUTOMATION



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Description

The LSR-0 is a self-powered load sensor intended for use as a proof relay. It is used to verify that current is flowing as intended. It has a guaranteed 15A pull-in current and 2.5A drop-out current. Proof relays are typically used to interlock fans, compressors, motors, heating elements and other devices. The LSR-0 is self-powered, that is, it draws its power from the wire being monitored so it does not require separate control power wiring.

Features

- Self-powered
- Low cost proof relay
- Can monitor up to 135A loads

Specifications

Max Current Ratings

135A continuous

Functional Characteristics

Turn-on Threshold

Fixed, 15A (max.)*

Turn-off Threshold

2.5A (min.)

Power

Induced from conductor

Isolation

600VAC rms

Output Characteristics

Relay Output Rating:

480VA @ 240VAC

Pilot Duty

10A

General Purpose

General Characteristics

Temperature Range

-20° to 70°C (-4° to 158°F)

Wire Size

#12-24AWG

Hole Size

0.725" diameter

Terminal Torque

7 in.-lbs.

Safety Marks

CSA, CSA-NRTL/C

CE

Dimensions

H 42.42 mm (1.67"); W 58.42 mm (2.3");

D 90.43 mm (3.56")

Weight

0.35 lb. (5.6 oz., 158.76 g)

Mounting Method

Four #6 screws 3/4" in length

*Conductors may be looped for smaller motor applications.

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