

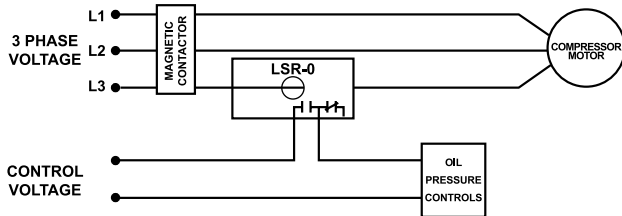
# LSR-0

Self-powered load sensor/low-cost proof relay

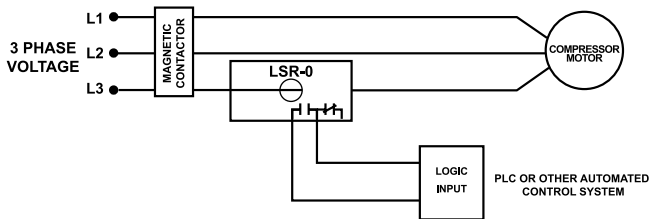


## Wiring Diagram

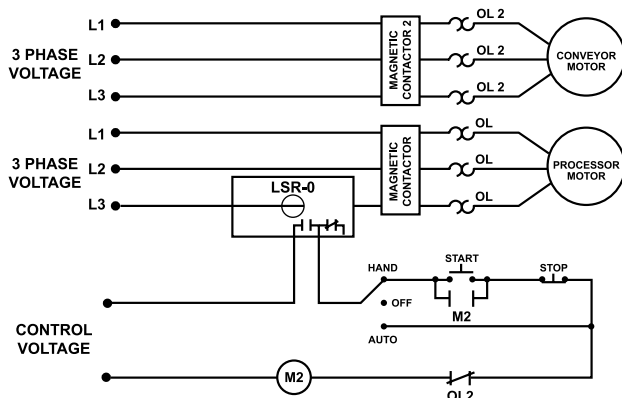
TYPICAL WIRING DIAGRAM FOR REFRIGERATION AND OIL FAILURE CONTROL



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.