

## LSRX / LSRX-C SERIES

Self-powered load sensor, low-cost proof relay



### Description

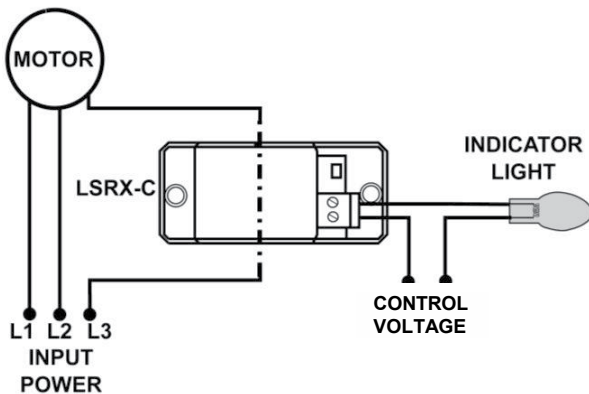
The LSRX/LSRX-C Series are AC current sensors designed to energize the output contact whenever 4.5 Amps or greater is present. The LSRX/LSRX-C Series is used commonly as an AC current proof relay to indicate if a motor is operating. It can also be used to interlock fans, compressors and motors; to indicate equipment status such as feed rates, tool wear, loss of prime on pumps, mixer viscosity and all types of current sensing conditions or to stage pump motors, chillers, or other machinery.

This device combines a current transformer (CT), transducer and high current output relay together to switch alarm circuits, contactors and most resistive or inductive loads. The LSRX/LSRX-C Series can perform the function of an auxiliary contact, yet has the advantages of universal application and isolation.

### Features & Benefits

FEATURES	BENEFITS
<b>Self-powered</b>	Eliminates need for separate control voltage. Draws power from wire being monitored
<b>Quick-connect terminals</b>	Saves time at installation
<b>LED indication</b>	Visual indication of relay status
<b>Built in current sensor will monitor up to 200A loads</b>	Eliminates the need for a stand alone current transformer and also provides isolation between the monitored and control circuits

### Wiring Diagram



### Accessories



**Informer IR Kit-36 (36" infrared adapter cable)**  
Attaches to the face of the unit to provide remote diagnostics without opening the panel.

### Ordering Information

MODEL	DESCRIPTION
LSRX	Fast-on terminal
LSRX-C	Depluggable screw terminals
LSRX-OEM	Fast-on terminals, 10 pack

### Specifications

<b>Input Characteristics</b>	
<b>Operating Current</b>	5-200A Continuous
<b>Minimum Pull-in Current</b>	4.5A (typical), 7.0A (max)*
<b>Power</b>	Induced from AC conductor
<b>Output Characteristics</b>	
<b>Relay Output Rating (SPST - Form A)</b>	
<b>Pilot Duty</b>	480VA @ 240VAC, B300
<b>General Purpose</b>	5A @ 240VAC
<b>Electrical Life</b>	1x10 <sup>5</sup>
<b>Mechanical Life</b>	1x10 <sup>7</sup>
<b>Maximum Conductor Diameter</b>	0.7 in.
<b>Output Terminals</b>	
<b>LSRX</b>	0.25" quick-connect fast-ons
<b>LSRX-C</b>	depluggable screw terminals
<b>Torque Rating</b>	3.0 in.-lbs.

## LSRX / LSRX-C SERIES

### General Characteristics

#### Temperature Range:

**Operating** -20° to 70°C (-4° to 158°F)

**Storage** -40° to 80°C (-40° to 176°F)

**Hole Size** 0.72" diameter

**Wire Size** 12-26 AWG

**Output Relay Status Indicator** LED

**Relative Humidity** 10-95%, non-condensing per IEC 68-2-3

### Standards Passed

**Electrostatic Discharge (ESD)** IEC 61000-4-2, Level 2, 4kV contact, 4kV air

**Fast Transient Burst** IEC 61000-4-4, Level 3, 2kV power,  
1kV input/output

### Surge

**IEC** 61000-4-5, Level 3, 2kV line-to-line;  
2kV line-to-ground

### Safety Marks

**UL** UL508 Recognized (File #E68520)

**CE** IEC 60947

**Dimensions** **H** 68.58 mm (2.7"); **W** 28.7 mm (1.13");  
**D** 63.5 mm (2.5")

**Weight** 0.3 lb. (4.8 oz., 136.08 g)

**Mounting Method** Surface Mount

\*Conductors may be looped for smaller motor applications.

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