

# LSRX / LSRX-C SERIES

Self-Powered Load Sensor, Low-Cost Proof Relay



#### A Utuelove LSRX Raing Sa @ 240VAC. B300 Operating Current: 5-200 A Cont. Solido Hz Date Code: 2018/27 E-2050 US

#### **Wiring Diagram**



For dimensional drawing see: Appendix, page 511, Figure 13.

#### **Ordering Information**

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

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

#### Accessories



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

### **Specifications**

Input Characteristics Operating Current Minimum Pull-in Current Power

#### **Output Characteristics**

Relay Output Rating (SPST - Form A) Pilot Duty General Purpose Electrical Life Mechanical Life Maximum Conductor Diameter Output Terminals LSRX LSRX-C Torque Rating 5-200A Continuous 4.5A (typical), 7.0A (max)\* Induced from AC conductor

480VA @ 240VAC, B300 5A @ 240VAC 1x10<sup>5</sup> 1x10<sup>7</sup>

0.7 in.

0.25" quick-connect fast-ons depluggable screw terminals 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	<b>H</b> 68.58 mm (2.7"); <b>W</b> 28.7 mm (1.13");
	<b>D</b> 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.