

## LSRU SERIES

### Load Sensor



### Description

The LSRU Series is a microcontroller-based family of load sensors. The LSRU family of products employ three basic types of control logic: motor control logic, alarm logic and feed control logic.

#### Motor Control Logic

Several combinations of functions are available in the LSRU, including overcurrent and undercurrent or either overcurrent or undercurrent with variable trip, restart or extended restart delay settings. These various versions of the LSRU trip on the respective fault and then automatically reset after the restart delay expires, in preparation for the next motor start. LSRUs do not trip on undercurrent when the load turns off, this is recognized as a normal condition.

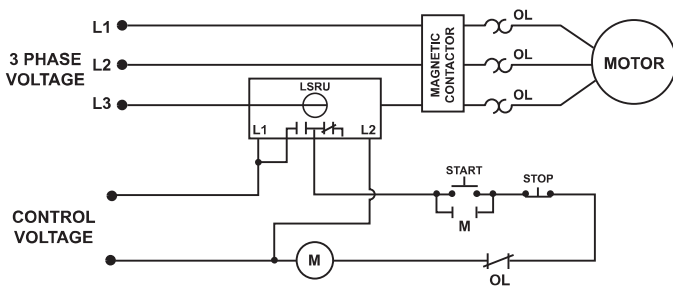
#### Alarm Logic

The LSRU-AL simply indicates whether the current is between the setpoints or outside of the setpoints. This product is best used with a PLC or other controller where status indication is desired.

#### Feed Control

The LSRU-FC is a load monitor intended to control feeder mechanisms in a variety of applications. It stops the feeder when the grinder, chipper, saw, auger, etc. nears overload. When the load is reduced to a preset level, the feeder is restarted.

### Wiring Diagram



For dimensional drawing see: Appendix, page 511, Figure 14.

### Features & Benefits

FEATURES	BENEFITS
<b>LED indicator</b>	Visual indication of relay status
<b>Built in current sensor</b>	Eliminates the need for a stand alone current transformer and also provides isolation between the monitored and control circuits
<b>Adjustable current sensing range</b>	Provides ability to precisely set the current trip point for any application

9

AC SYSTEM MONITORS/LOAD SENSORS

### Ordering Information

See next page.