Self-powered load sensor/low-cost proof relay

**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
  - **General Purpose**: 10A
- **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 80.43 mm (3.15”)
  - **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.