SRL1 & SRL2 SMART RELAY

The SRL Smart Relay is a cost-effective, solid-state interruption switch designed to operate seamlessly with Mobiltex equipment. Together, these products provide precise interruption of cathodic protection rectifiers during corrosion field survey activities. The SRL continuously monitors load current, synchronization status and internal relay temperature to ensure safe and reliable performance.

FEATURES:

- Pairs with Mobiltex products to enable interruption of higher-current sources such as bonds or rectifier
- Continuously monitors load current
- Zero voltage loss real-time current sensing
- Built-in lightning, surge, and over-voltage protection
- Solid-state design for high reliability and long service life
- LED indicators provide real-time local status information
- Auto-resume after power disruption
- Auto shutdown with fault log recording for overload and over temperature conditions. Auto resumes after fault is corrected
- Flexible power options: rectifier taps, batteries, solar, or TEG sources
- Low power consumption. approx. 1 watt

SR L1 - AC/DC SMART RELAY:

Operating Temperature	-22°C to +60°C (-30°F to +140°F)
Storage Temperature	-40°C to +85°C (-40°F to +185° F)
Humidity	0 to 100% RH non-condensing
Maximum Altitude	5000 meters above sea level
Size	4.4” x 2.4” x 0.7” (110x62x18mm) with micro heatsink
Power input	AC Input: 6VAC to 36VAC DC Input: 8VDC to 52VDC
Load Monitoring	Continuously monitors AC and DC load current
Relay Type	Solid State
Resistance	10mΩ for low-loss, high-efficiency switching
Interruption Switch Capacity	0-90 VDC 0-70 VRMS AC
Current Switching Capacity	30 Amps with micro heatsink 50 Amps with medium heatsink 60 Amps with large heatsink

SRL2 - HIGH CURRENT DC SMART RELAY:

Operating Temperature	-22°C to +60°C (-30°F to +140°F)
Storage Temperature	-40°C to +85°C (-40°F to +185° F)
Humidity	0 to 100% RH non-condensing
Maximum Altitude	5000 meters above sea level
Size	Size 7.0” x 4.9” x 2.6” (178x125x66mm)
Power input	AC Input: 6VAC to 36VAC DC Input: 8VDC to 52VDC
Load Monitoring	Continuously monitors DC load current
Relay Type	Solid State
Resistance	5 mΩ for low-loss, high-efficiency switching.
Interruption Switch Capacity	0–100VDC
Current Switching Capacity	100ADC Max

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