ELECTROSWITCH

SLSR
Serial Latching Switch Relay

'Automation That Keeps A Handle On System Protection And Control'

The Series 24 Serial Latching Switch Relay (SLSR) with/without LEDs and Certified DNP 3.00 expands the functionality of the field proven remotely operated Series 24 Latching Switch Relay.

An addressable network device, the SLSR provides Sequence of Events (SOE) Reporting, Battery Monitoring, and Self-Diagnostic Reporting, while maintaining traditional local control operability.

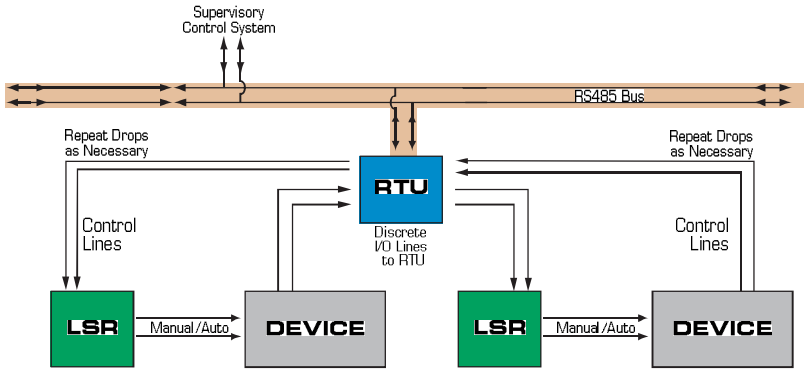
Additional Features

- Construction and Contacting Based on the Field Proven LSR Device
- Manual Operation
- Serial Bus Xmit/Rec LED
- Local/Remote Mode Control with LED Status Indication
- Additional Status LEDs for Switch Operation
- 3 Spare Inputs

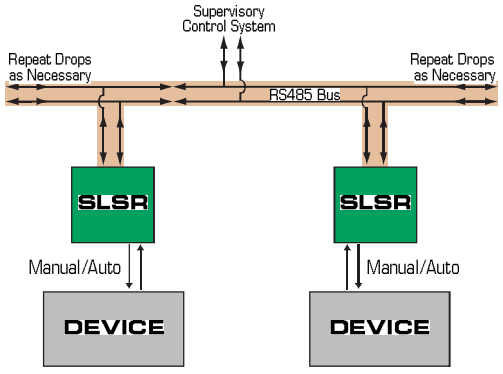
Cost-Saving Benefits

- Free up RTU Points
- Reduce Point to Point Wiring
- Simplified Testing for Easier Commissioning
- Minimize Training
- Precise Sequence of Events Log with IRIG-B Input

Traditional LSR Installation



New Simplified SLSR Installation



The SLSR installation provides cost savings associated with wiring (wiring errors), testing, and commissioning.

Additional Serial Control Devices from Electroswitch

180 King Avenue • Weymouth, Massachusetts 02188 • TEL: (781) 335-5200
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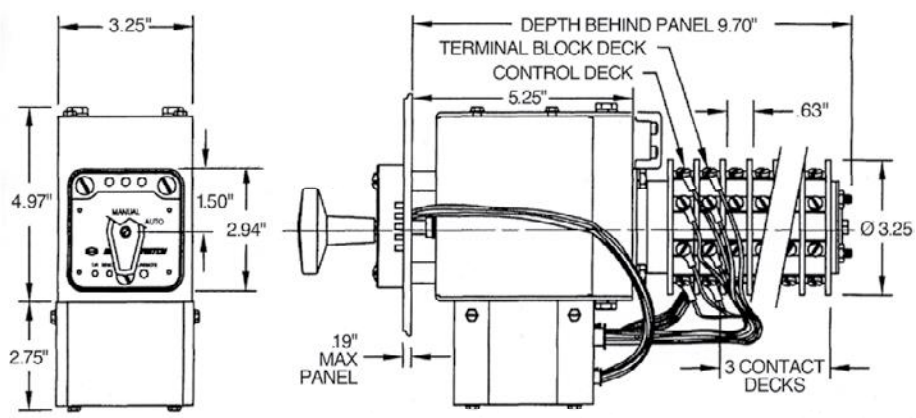
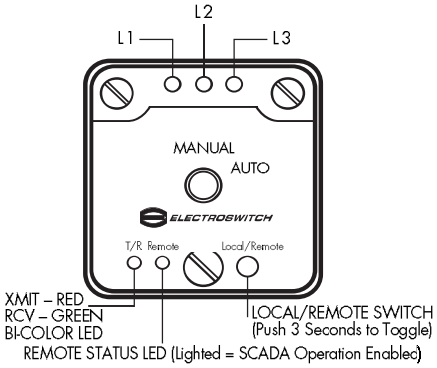


Nameplate Configuration



Specifications

Electrical

Continuous Ratings:	30A–600V
UL Interrupt Ratings:	20A–120VAC, 15A–240VAC, 6A–600VAC, 3A–125VDC
Overload Current (50 Ops):	60A–125VAC Resistive
Insulation Resistance:	.01Ohms Maximum
Making Ability for CB Coils:	95A–125VDC

Electronic

Baud Rate:	9600 Std. 1200, 4800, 19200 Selectable
Transient Protection:	Meets IEEE C37.90.1 and IEC 61000–4–4
Signal Hold Time:	1 Sec. Standard, 1-3 Seconds Serially Selectable

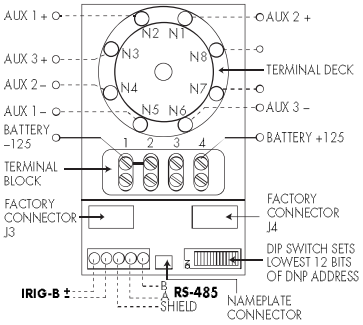
Mechanical

Sections	1 to 10
Poles	1 to 40
Contacts	2 N/O, 2 N/C per Deck 45° Positive Detent Indexing
Mounting	3–Hole Panel Mounting,
Panel Thickness	3/16" Max. Standard – Others Available
Rotor Contacts	Silver Plated Phosphor–Bronze, Double Grip
Stationary Contacts	Silver Plated Copper, with Integral Screw–Type Terminals
Construction	Contacts Enclosed in Molded–Phenolic Disks

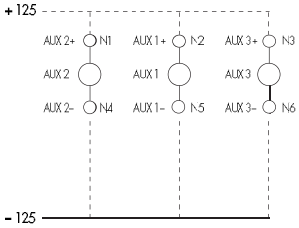
Operational and Burden Voltage Data

Coil	Rated Voltage	Voltage Range	Coil Circuit DC Ohms @ 25°C	Burden (Amps) at Rated Voltage
C	48VDC	38–56VDC	4.83	9.7
D	125VDC	100–140VDC	30.49	4.1

Installation Connections (Rear View)

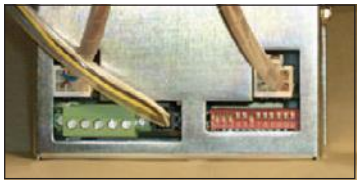


Typical System Connections



Use of Inputs

DNP POINTS - See Table on Page 1 for LED Function	
POSITION 1 (Manual) SETS Object 1 Point 1	The inputs are polarity sensitive. Reverse polarity causes no damage, but input will not be sensed.
POSITION 2 (Auto) SETS Object 1 Point 2	
AUXILIARY 1, SETS DNP Object 1 Point 3	Consult Technical Bulletin ES-SLSR-1 for further information on DNP3 usage, including system battery voltage measurement, time stamping of events, and sensing of switch position.
AUXILIARY 2, SETS DNP Object 1 Point 4	
AUXILIARY 3, SETS DNP Object 1 Point 5	



Note: All features and configurations currently available on the LSR are available on the Serial Latching SLSR.

Required Ordering Information

- Protocol: DNP 3.00 Std.
- Baud Rate: 9600 Std.
- Handle: Pistol Grip Std.
- Voltage: 125VDC or 48VDC
- Engraving
- Contact Configuration
- L1, L2, L3 (Replaceable LED Colors – Amber, Red, Green, Blue, White, Orange)

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