

# '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

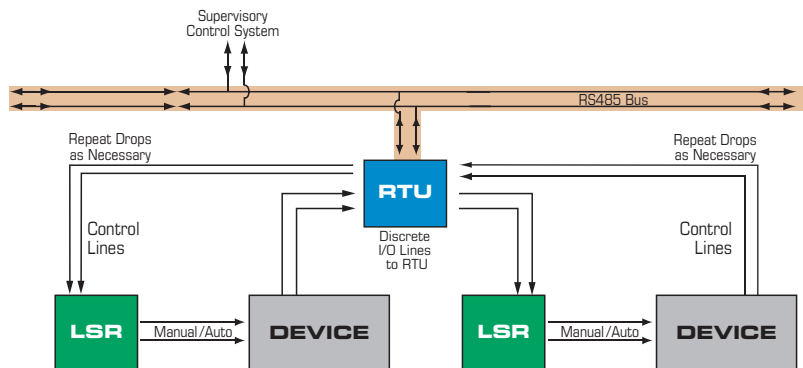
- Construction and Contacting Based on the Field Proven LSR Device
- Manual Operation
- Serial Bus Xmit/Rec LED
- Local/Remote Mode Control with LED Status Indication
- Additional Status LEDs for Switch Operation
- 3 Spare Inputs

## Cost-Saving Benefits

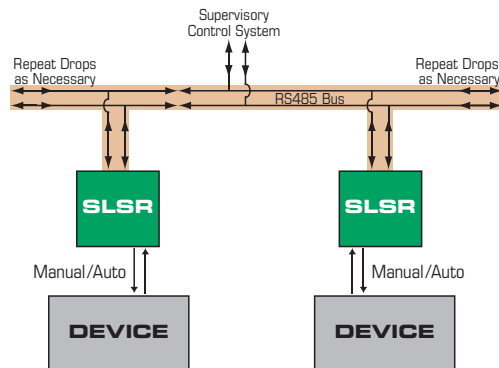
- Free up RTU Points
- Reduce Point to Point Wiring
- Simplified Testing for Easier Commissioning
- Minimize Training
- Precise Sequence of Events Log with IRIG-B Input



### 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



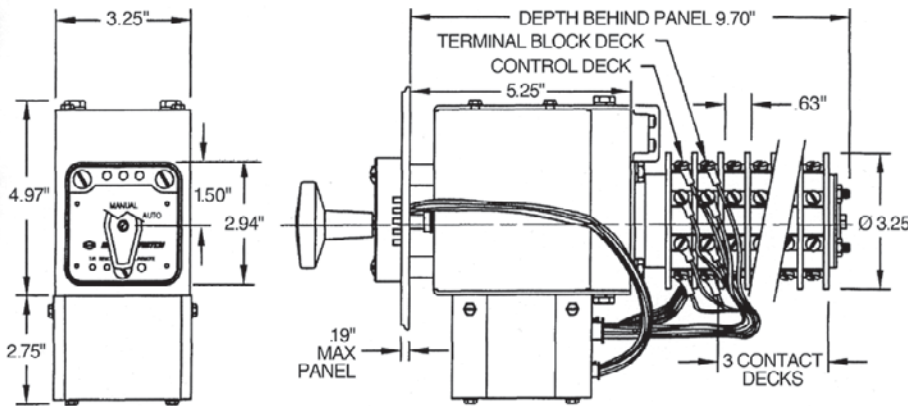
Series 24  
SLOR Serial  
Lock-Out Relay



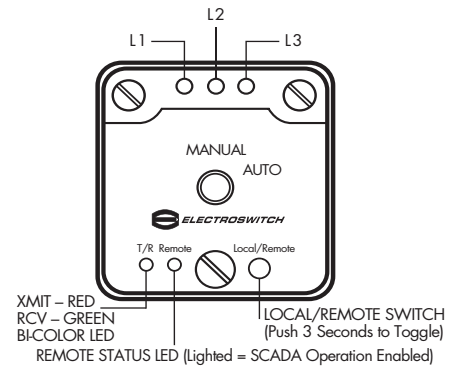
Series 31  
STR Serial  
Tagging Relay



Series 24  
SCSR Serial  
Control Switch  
Relay



### 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: .01 Ohms 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

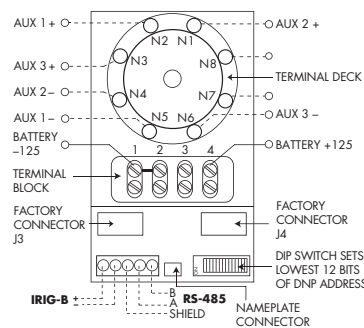
### Mechanical

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

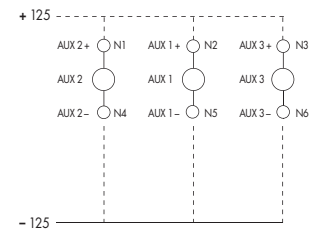
## Operational and Burden Voltage Data

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)

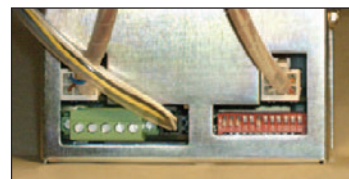


## Typical System Connections



## 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.  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.
POSITION 2 (Auto) SETS Object 1 Point 2	
AUXILIARY 1, SETS DNP Object 1 Point 3	
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 SLSR 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)