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Connecting. Converting. Leading!

Serial Redundancy Switch, Model SRS 201M



Many applications in Industrial PLC or SCADA communication require multiple Slave devices to be shared with 2 (two) Masters. Alternatively, Single Master wants to communicate with multiple slave devices.

Serial Redundancy Switch (SRS) has been designed to cater to this specific requirement. It is Protocol independent & has different operating modes. The Serial communication parameters are field selectable using DIP switch. All ports of this product are RS485 2 Wire with built in termination resistor.

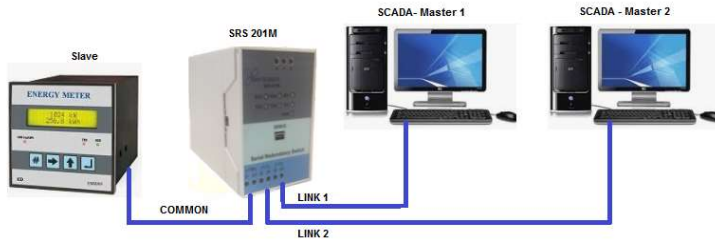
This product does not act as protocol converter gateway. It acts as Hub or Splitter switch for RS485 ports.

Technical Specifications

Communication Port	: Each port can be connected RS485 2 Wire
No. of Ports	: 3. (Common, Link 1 and Link 2)
Interface	: RS485 2 Wire, Termination enable / disable for all 3 ports
Protection	: Opto Isolation 3KV ESD Protection 5KV Surge Protection 600W
Modes of Operation	: 3 (Auto Slave, Auto Master, Manual), selection by DIP switch
Baud Rate	: 9600, 19200, 38400, 115200
Data bits	: 8 (fixed)
Protocols	: Protocol Independent. Supports all RS485 based protocols
Poll Delay	: Poll delay (delay between 2 queries) should be more than 500 msec
Power Supply	: 24V DC. Range: 18 to 72V DC
Indications	: 2 LED's per port for Transmit (Tx) and Receive (Rx) signals : 1 LED for indicating Power Supply
DIP Switch	: 10 way. Selection for Baud rate, Stop Bit, Parity, Mode and Termination
Connectors	: RS485 Ports : 6 Pin Terminal block : Debug Port : Mini USB : 24V DC : 3 Pin Terminal block
Enclosure	: Phoenix Bopla, ABS, DIN Rail Mounting : 55 x 110 x 75 mm (L D H)
Weight Approx.	: Approx. 150 g
Operating Temperature	: 0°C to 65°C
Storage Temperature	: -20°C to 75°C
Relative Humidity	: 0 to 95%rh Non Condensing

Application

Auto Slave Mode



It can enable 2 SCADA Masters talk to common Slaves

Auto Master Mode



It can enable SCADA Master to talk to redundant Slaves on field.