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Connecting. Converting. Leading !

SERIAL REDUNDANCY SWITCH, Model SRS 201



Offering communication Redundancy has taken roots. There is a felt need to communicate SCADA PC / HMI / DCS etc with Redundant Controllers / PLC / RTU's / IED devices etc.

SRS has been designed to cater to this requirement of the industry. It is Protocol independent & all the 3 Ports are RS232 / RS485 / RS422 configurable.

APPLICATION

It can enable 2 SCADA Masters talk to a common RTU or a single SCADA master to talk to Redundant RTU's on field. It can also be connected through a PLCC modems etc

During Power On, whichever Master sends a query, is connected to the Output (Slave). In case your Master Port fails or Cable from your Primary Master to our Port has failed then SRS senses "No Communication" between the Primary Master & the Slave & bumplessly switches communication to your Secondary Master. Time Out is selectable from 1 Sec. to 9 Sec. SRS will wait upto the Time Out in order to establish other connection. Manual selection of the ports is provided for easy diagnostics.

Alternatively the Switch can also be used :

- ✓ For communication between 2 Slaves & 1 Master.
The query from a Master can be broadcasted to both the Slaves but only 1 Slave need to respond at a time. This is in cases where the Slaves cannot be multidropped.
- ✓ To create cable level redundancy for devices having only a Single Serial port.

TECHNICAL SPECIFICATIONS

Communication Ports : Each port can be independently selected as RS232 or RS485 2 / 4 Wire.

PROTOCOLS : MODBUS, ASCII, IEC 101, IEC 103 etc

No. of Ports : 3. COMMON, LINK1, LINK2 each for 232 & 485.

Signals : 3 signals for RS232 & 2 or 4 for RS485/RS422

Mode of Operation : Auto / Manual.

Indications : 2 LED's per port for Transmit (Tx) and Receive (Rx) signals.
: 2 LED's for indicating Auto / Manual Mode.
: 2 LED's for indicating Link1, Link2 selection in Manual Mode.

Time Out : User Programmable through Serial Port. Default : 1 sec.

Baud Rate : Upto 115kbps

Connectors : RS485 ports : 4 Pin Howder connectors.
: RS232 Common port : DB9 Male connector.
: RS232 LINK 1 & 2 ports : DB9 Female connectors.
: AC Mains : Moulded 3 Pin Plug.

Push Buttons : AUTO or MANUAL Selection & LINK 1 or LINK 2 Selection.

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Dimensions	: 170 * 122 * 33mm
Weight Approx.	: 500gms
Mounting	: Table-Top
Power Supply	: 230V AC SMPS. Range : 110V to 240VAC @ 50 Hz Input. : 24V DC
Power Consumption	: Less than 3 watt.
Operating Temperature	: 0°C to 55°C
Relative Humidity	: 10 to 90 % Rh. Non Condensing.

Ordering Information **SRS 201 A/D XXX**

Base Model	: SRS 201
A/D	: A for 230V AC Supply. D for 24V DC Supply
XXX	: 230 for AC and 24 for DC