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SAN TELEQUIP

Connecting. Converting. Leading !

ISOLATED SERIAL REDUNDANCY SWITCH, Model SAM 201I

SAM 201I has been designed to cater to the requirement of Sharing / offering Redundancy for the Serial Ports. It is Protocol independent with all the 3 Ports are RS232. All the 3 Serial ports are 3KV Optically Isolated

APPLICATION

It can enable 2 Masters talk to a common RTU or a single Master to talk to Redundant RTU's on field. During Power On, whichever Master sends a query, is connected to the Output (Slave). Incase your Master Port fails or Cable from your Primary Master to our Port has failed then SAM senses "No Communication" between the Primary Master & the Slave & seamlessly switches communication to your Secondary Master. Time Out is selectable from 1 Sec. to 1 min. This timeout is factory set. SAM will wait upto the Time Out in order to establish other connection.

Manual selection of the Primary & Secondary Master is also provided for easy diagnostics.

It is expected that during the failure of Primary Master connection, your Secondary master will start sending the queries. 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 are Redundant.

TECHNICAL SPECIFICATIONS

Communication Ports	: 3. RS232, RxD, TxD, GND
Protocols	: MODBUS, ASCII, IEC 101, IEC 103 etc
Connector – Input	: DB9 Female
Connector – Output	: DB9 Male
Connector – Power	: 3 Pin screw type Terminals
Baud Rate	: Upto 115kbps
Isolation	: 3 KV
Indications	: TX, RX, LED's for the 3 Ports, PWR.
Mode Selection	: Auto / Manual through Membrane Key
Time Out	: Default : 1 sec.
	: Can be hard coded over a wide range for PLCC or PSTN Modems
Power Supply	: 230 V AC. Range 90 to 270V AC
	: 24V or 48V DC options are also available
	: No external adapters
Power Consumption	: Less than 3 watt
Dimensions	: 159(h) x 128(d) x 36(w) mm
Mounting	: Panel Mounting or DIN Rail
Operating Temperature	: 0°C to 55°C
Relative Humidity	: 10 to 90 % Rh. Non Condensing

Model Code	: SAM 201I X YYY
SAM 201I	**: Isolated RS232 Sharing Switch**
X	**: D for DC, A for AC Inbuilt Supply**
YYY	**: 48 or 24 for 48 or 24V DC, 230 for 230V AC. Range 90 to 270V AC**