EBUF

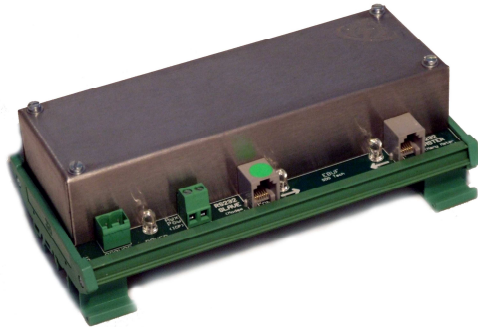**The EBUF is an amplifier for RS323:**

- **Increases the quantity of RS232 terminals on a RS232 buss.**
- **Supplies a voltage on the input line to comply with the Elster standard in RS232.**

Overview

The EBUF forms part of the SDG Technologies range of power metering, control and communication products.

It is essential for large communications networks, where multiple meters need to be installed in a single cabinet and only one communications device is used to reduce cost.

Specifications

RS232 input/output

The EBUF is a modified Special RS232 output unit, used to amplify the RS232 signal so that more than 10 Elster Electrical meters can be multi-dropped with RJ12 splitters. This will ease the installation of the Elster Electrical meters communicating with Plug and Play Scada

Maximum number of RS232 devices per EBUF 100

Indicators

Power (green) ....100VAC - 240VAC
Local Comms (red) ....RJ12 Rx indicator
Local Comms (red) ....RJ12 Tx indicator

Aux Power Connector

Voltage output 12VDC

Power supply

Voltage input 100-250VAC
Consumption..<6VA

Plug and Play
SCADA

Pin-out of RS232 connectors

The **RS232 SLAVE (Modem Side)** connector is a RJ12 connector. The pin-out is such that a simple 1 to 1 flat cable can be constructed. The Connector can be used to connect a Kocos or BOL Modem directly to the EBUF. The pin-out of the RJ12 connector is as follows:
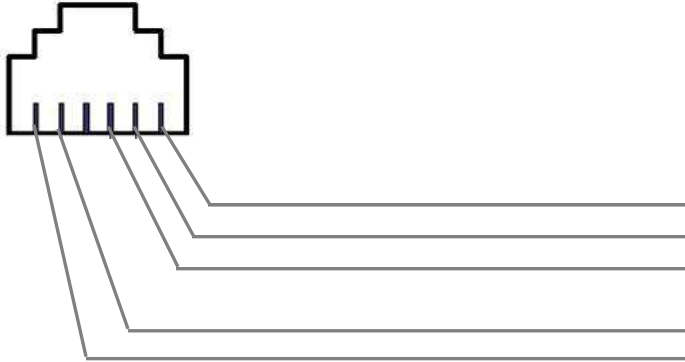
Pin no	EBUF
1	Rx, connected to pin 3
2	Tx, transmit data
3	Rx, receive data
4	NC (Not connected)
5	0V
6	12V DC

The **RS232 MASTER (Many Meter Side)** connector is a RJ12 connector. The pin-out is such that a simple 1 to 1 flat cable can be constructed. The Connector can be used to connect an Elster Meter Multidrop Network directly to the EBUF. The pin-out of the RJ12 connector is as follows:
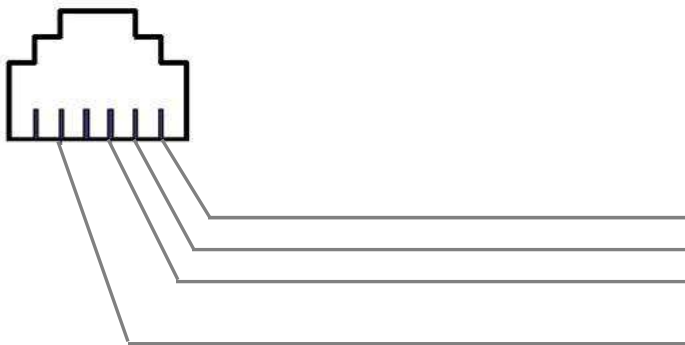
Pin no	EBUF
1	Tx, connected to pin 3
2	Rx, receive data
3	Tx, transmit data
4	NC (Not connected)
5	0V
6	NC (Not connected)