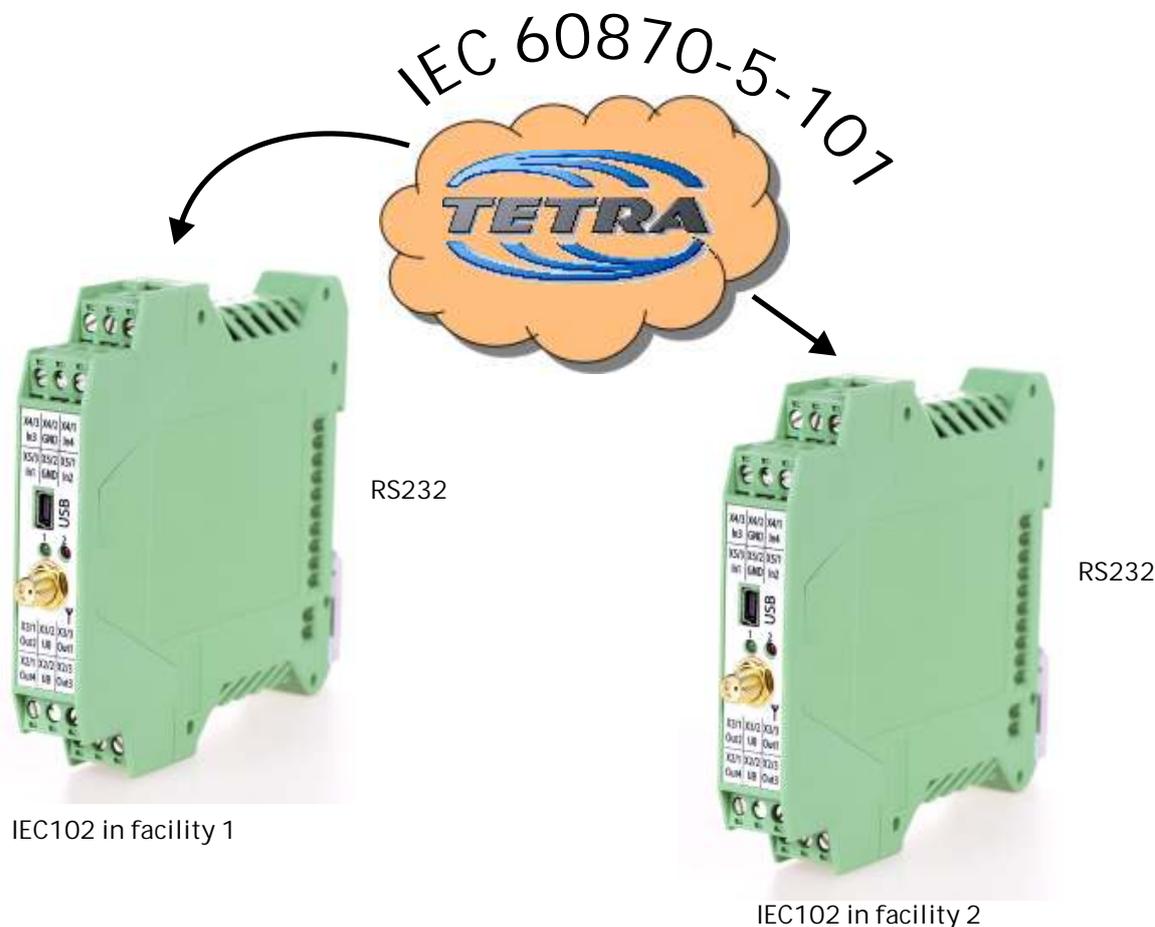


IEC102

Communication via TETRA Network
IEC 60870-5-101



Application

The TETRA product IEC102 is applied for serial communication according to IEC 60870-5-101 protocol via the TETRA network, using a TOM100 TETRA modem for access.

The telemetry unit IEC102 connects two electronic systems exchanging data via a serial data link with IEC60870-5-101 protocol, using the digital radio system TETRA as transmission path.

The terminal equipment is connected to the IEC102 via the RS232 interface - the baud rate is determined to be 9600 baud, 8 bit, even parity, no handshake. After having completed parameter setting of the IEC102 and start of the IEC-101 service by means of AT commands, the data may be exchanged via the IEC 60870-5-101 protocol. The TETRA system is used for data volume of up to 2kByte per minute.

Technical Data and Functions

- Serial connection in IEC 60870-5-101 protocol
- Frequency range TOM100: 380 - 430 MHz
- RS232 interface (RxD, TxD, RTS, CTS)
- Radio interface with SMA aerial input
- Dimensions: 18 x 99 x 123 mm (LxBxH)
- Electric power supply: 12-24 V DC
- Current consumption. max. power input 12 W
- Ambient temperature: -20°C bis 60°C non-condensing
- DIN rail assembly according to DIN EN 50022



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All technical data and functions serve as orientation and may be modified without previous notice.