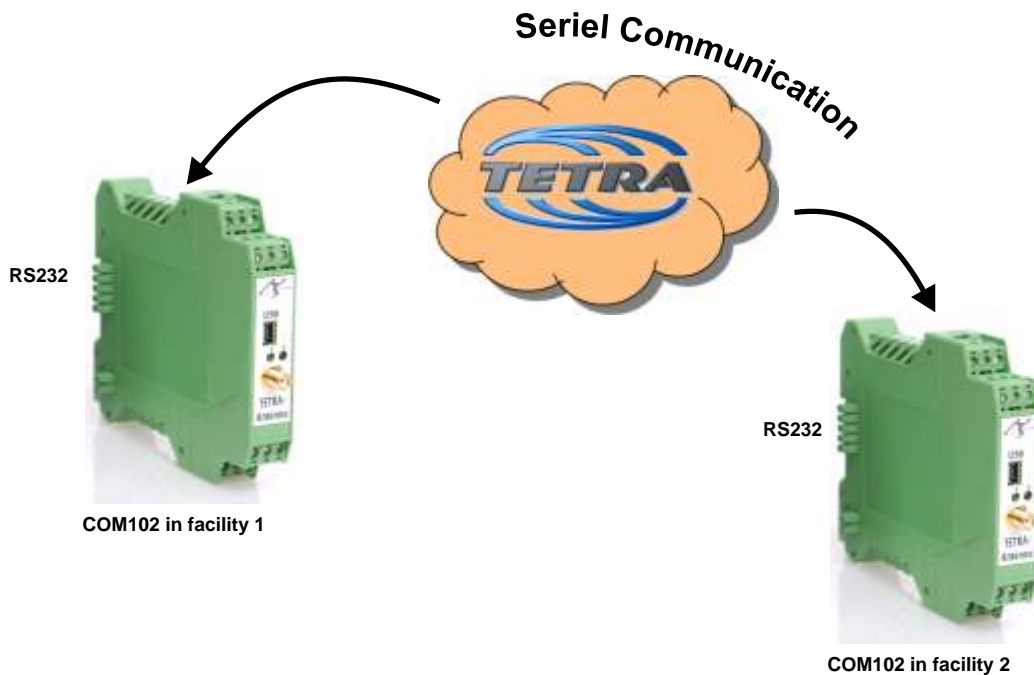


COM102

Serial Communication via
TETRA Network



Application

With the ETSI Standard TETRA a versatile radio system is available, improving existing applications or offering innovative applications. Automation engineering control systems frequently have to be interconnected at good distance of several kilometers. By means of TETRA these systems can be connected fast and simply in order to exchange brief data packages (SDS-Short Data Service). The SDS service admits to transmit data up to a quantity of 140 byte in one package.

The TETRA product COM102 allows a transparent serial communication via the TETRA network, using a TOM100 TETRA modem for access. In case two electronic systems, performing an exchange of data by means of a serial data link, have to be connected, the COM102 modem provides the opportunity to make this via the digital radio system TETRA.

The data link and the stipulated baud rate (4800, 9600, 19200, 38400) are adjusted via the radio system by means of the programming software COM1020. The terminal equipment is connected to the COM102 via the RS232 interface (RS485 on request). After having completed the data link the data may be exchanged. The TETRA system is used for data volume of up to 2kByte per minute.

Field of Application

- Pumping station monitoring and control system for supply/disposal contractors
- Fill level and equipment condition monitoring
- Leased line alternative with up to 38400 baud with low data volume

Technical Data and Functions

- Frequency range TOM100: 380 - 430 MHz
- RS232 interface (Rx/D, Tx/D, RTS, CTS)
- Air interface with SMA antenna terminal
- 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



ATS Elektronik GmbH · Albert-Einstein-Str. 3 · 31515 Wunstorf · Germany
Telefon: +49 (0) 50 31 / 95 48 – 0 · E-Mail: info@ATSONline.de · www.ATSONline.de

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