

TMP102

TETRA Telemetry- and
Communication Module

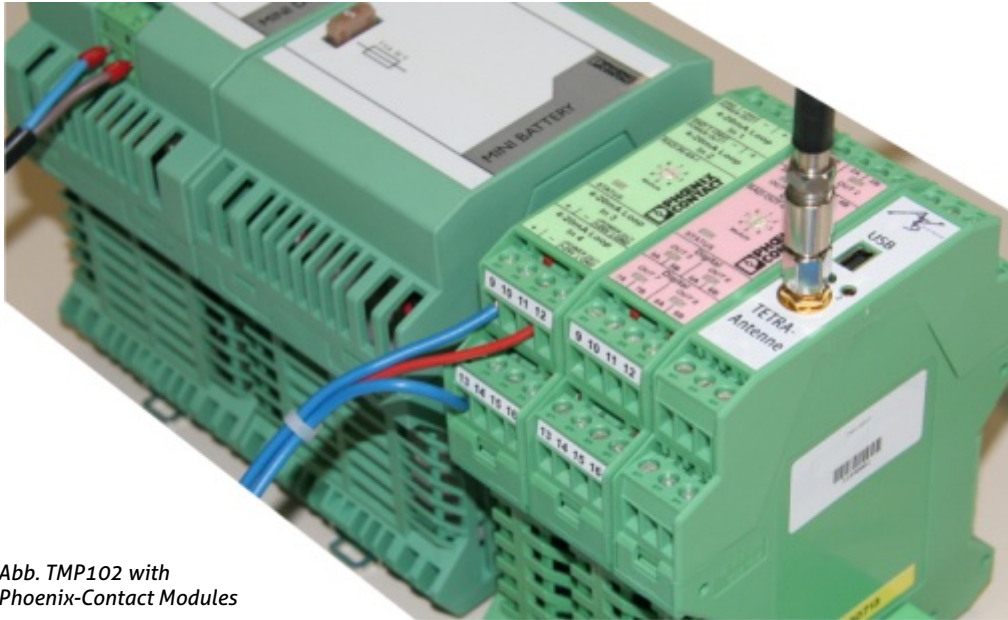


Abb. TMP102 with
Phoenix-Contact Modules

Application

The TETRA telemetry unit TMP102 is applied for automation of technical processes. The unit has four digital outputs (open Drain) and an internal TOM100 TETRA module.

The TMP102 can be connected with upto eight Phoenix-Contact modules type RAD-IN/OUT-Analog/Digital to a remote controlled terminal device. It transmits their input values and can control the outputs. Immediately after start of the TMP102, you will have complete control of the inputs and outputs. Within one radio system several remote-control terminal devices (one TMP102 with upto eight Phoenix-Contact modules each) can be operated and controlled by a central office, provided that all TMP102 are within the same TETRA network as the central office and that the TMP102 resp. its internal TOM100 TETRA module have been registered properly.

Phoenix-Contact Modules

The following Phoenix-Contact modules can be combined with the TMP102:

- RAD-IN-8D (8 digital inputs)
- RAD-IN-4A-I (4 analog inputs, 20 mA Loop)
- RAD-IN-2D-CNT (2 counters, pulse rate)
- RAD-OUT-8D-REL (8 relays outputs)
- RAD-OUT-4A-I (4 analog outputs)

Central Office

The TMP102 transmits the data of the Phoenix-Contact modules to a central office, which also may control the TMP102. The respective software is either already available in the company or has to be developed for particular purposes.

ATS Elektronik GmbH provides support for development of an appropriate software or interface - please contact us as and when required. The relevant interface protocol information is provided in a separate document. The central office can be connected via a radio subscriber but also be directly integrated in the radio system per network. Then the central office is addressable via an ISSI in the TETRA net.

Technical Data

- 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 upto 60°C non-condensing
- Max. 8 Phoenix-Contact modules can be connected



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