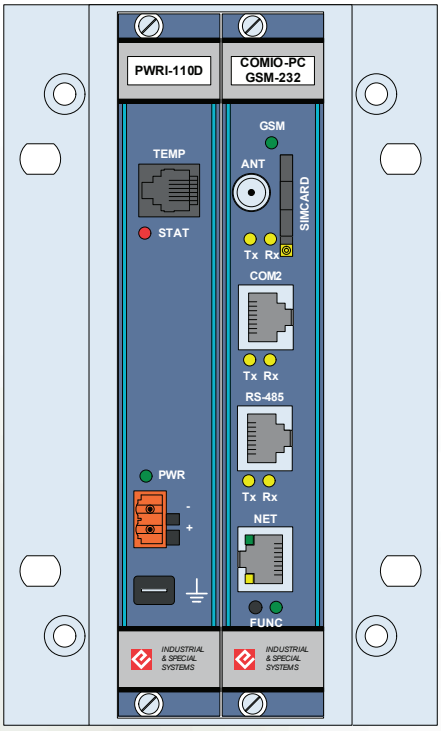
Sample sets of modular units

RTU 7MC – communication converter



Description of the converter

The RTU 7MC communication converter completes the portfolio for successful and well established RTU units from ELVAC IPC s.r.o., which have been implemented for several years in applications for the control and monitoring of electric stations and networks and in other areas with high requirements for the reliability and robust character of the delivered solution. The RTU 7MC communication converter is primarily designated as the converter between various communication protocols and various physical interfaces. It can find its application as a converter of protocols IEC 60870-5-101 and IEC 60870-5-103, which communicate through the serial interface (RS-232 or RS-485), to the protocol IEC 60870-5-104, which is used by transport protocol TCP for the transfer of data. Today the (E)GPRS network is often used for data transfer. In this area the communication converter RTU 7MC uses the extensive experience of ELVAC IPC s.r.o. with this type of network. The RTU 7MC can also be used in the role of communication and data concentrator. It is possible to perform the parameterization using the User center RTU application, or through the web interface. For advanced administration and configuration it is possible to use telnet, ftp
The RTU 7MC communication converter offers a highly effective and price acceptable solution into applications, not only in the energy sector.

Communication interface of converter

- 1x interface RS-232 galvanically separated,
- 1x interface RS-485 galvanically separated,
- 1x Ethernet,
- 1x exchangeable communication module (GSM/(E) GPRS, Bluetooth, RS-232, RS-485, optics).

Converter supply

The supply voltage is optional by selection of the integrated galvanic separated supply source within the range 9 VDC to 230 VDC.

Supported communication protocols

- IEC 60870-5-101,
- IEC 60870-5-104,
- IEC 60870-5-103,
- HioCom2,
- Modbus
- other protocols supported by clients.

Modification and expansion of unit (greater chassis)

- AC supply source with charging and testing of accumulator,
- cards for digital galvanically separated inputs and outputs,
- cards for galvanically separated measurements of DC and AC currents and voltages,
- GPS card for exact time synchronizing.

Typical configuration of the set:

1,00	Chassis of the unit	RTU7M CASE-2
1,00	Bus	RTU7M BUS-2
1,00	Supply source	RTU7M PWRI-24D
1,00	Communication card	RTU7M COMIO-PC / GSM-232