Technical specification	Autor: Ing. Vladimír Povolný	Date: 20. October 2003

KOTEL

The device KOTEL works as concentrator of communications. It is equipped with four serial channels or three serial channels and GSM modem channel, servis port a ETHERNET channel 10Mbps.

Technical parameters:

- dimensions   436 x 190 x 46 mm (for 19'' frame)
- operating temperature   -10 to 45 °C
- protection   IP 20
- power supply   18 - 36V DC
- consumption   max. 5VA
- serial interfaces COM   RS 232 (TxD, RxD, GND)
- GSM interface   VF connector

Front panel verzion A (4x COM):

Front panel verzion B (GSM modem + 3x COM):

Description of signalization:

- ➤ POWER:
  - U in   – power supply voltage 24 V
  - U out   – 5 V

- ➤ ETHERNET:
  - Rx   – reception of packet
  - Tx   – transmition of packet
  - LNK   – connection level
  - COL   – collision of packets

- ➤ COM:
  - Rx   – telegram reception
  - Tx   – telegram transmition
  - Err   – communication error

SW equipment:

The device KOTEL is equipped with boot program, operational system Embedded Linux and application programs.

Application programs can solve conversion and concentration of communication protocols (e.g. IEC870-5-101, IEC870-5-103, IEC870-5-104, SPA-BUS, EBERLE ASCII, TG065 etc.) or work as terminal server for tunneling the serial protocols to Ethernet. Configuration WEB server for on-line configuration or off-line generator of parameters for MS Windows is also available. Firmware can be updated remotely.