**BD|SIMEX**
a division of BD|SENSORS

# PMT-U/4-Z45

- converter module USB / RS 485
- 3 signalling diods
- galvanic isolation between
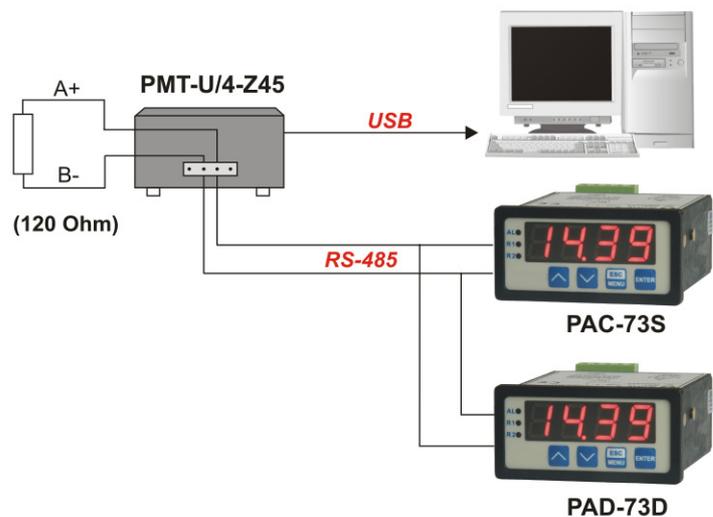- USB interface and RS 485 lines

The PMT-U/4-Z45 converter module is used to connect MASTER devices with na USB port to a RS-485 bus. For example, a suitably programmed PC computer can function as the system MASTER device. The module provides galvanic isolation (optoisolation) between an USB interface and RS-485 lines. The module supports any BD SIMEX devices equipped with a RS-485 standard port. The module also supports transmission (e.g. MODBUS standard) between any devices equipped with a RS 485 interface and a master device with built-in USB controller.

- transmission rate control using RTS signal,
- power supply voltage connection signalling,
- programming mode signalling,
- RS-485 transmitter activation signalling,
- operation set-up signalling,
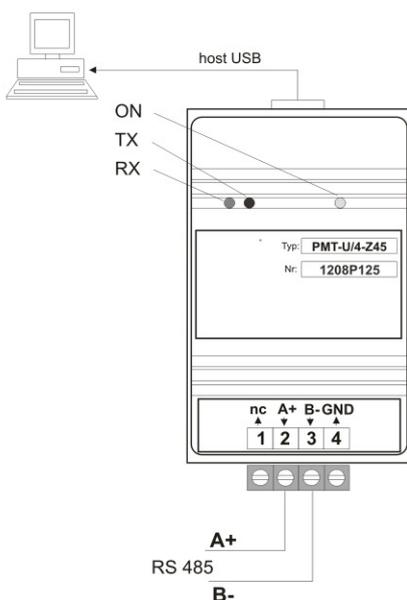- transmit and receive signalling.

## Typical applications

Communication with a network of devices equipped with an RS-485.



## Examplary pin assignment



## Technical data

**Power supply voltage**: from USB interface (4,4...5,25V DC)
**Power consumption**: max. 150 mA
**Galvanic separation:** separation between USB interface and RS 485 lines
**USB interface port:** 1 x type B USB, A to B type cable, length about 3 m
**Transmission speed:** 300 - 115200 bit/sec.
**Operating temperature:** 0...50°C
**Storage temperature:** -10...70°C
**Humidity:** 5% up to 90% without condensation
**Housing dimensions:** 40 x 55 x 100 mm
**Weight:** 170 g

## Ordering

**PMT-U/4-Z45-005-N1**

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