BD|SIMEX
a division of BD|SENSORS

PAD-N118D

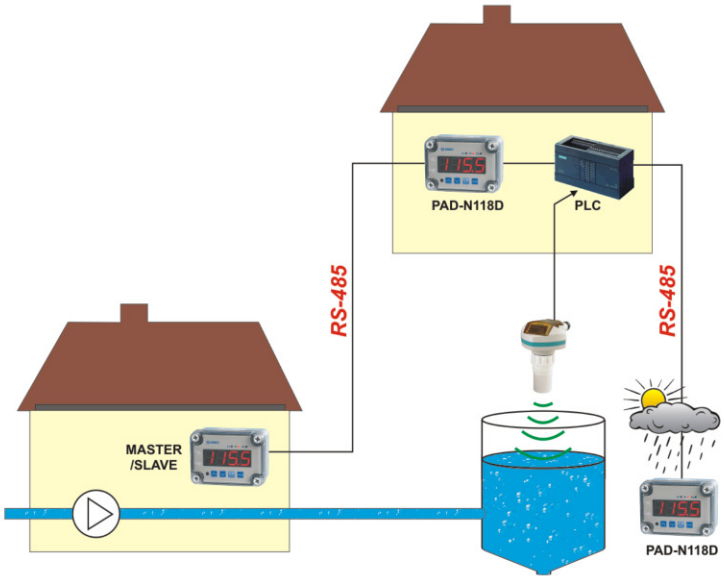
- wall-mounted IP65 indicator
- no analog input
- power supply output: 24V DC
- RS-485 / Modbus RTU
- MASTER / SLAVE

The PAD-N118D is a simple digital panel indicator intended for displaying any numerical values and characters defined by user (in SLAVE mode only) sent from the master device over the RS-485 serial interface link. The displayed value may be collected from other device (in MASTER mode). The display brightness can be adjusted in 8 steps.
Device PAD-N118D is equipped with RS-485 / Modbus RTU communication interface and sensor supply output. The meter can be ordered in 3 power supply versions.
The device has 4 buttons being used for main presets programming. To get high protection level, the keyboard is mounted under transparent cover. To allow user to changepresets without opening the cover, an IR sensor is mounted. Remote controller keyboard is equivalent to the device keyboard (Note, that remote controller is not a part of the PAD-N118D set - it is an additional equipment).

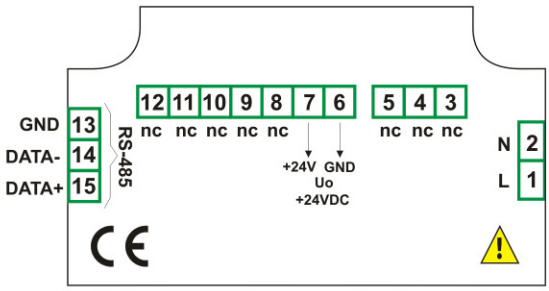
- password protected,
- display brightness adjustable in 8 steps,
- trasmission speed adjustable: 1200...115200 bit/sek.
- protection class IP65.

Typical applications

1. Retransmition of a measuring signal.
2. Indication of current values of any parameters.
3. Duplication of measured value.



Examplary pin assignment



Technical data

Power supply: 110V AC ± 5%, 230V AC ± 10% or 24V DC ± 5%(non separated)
Power consumption: for 110V AC and 230V AC: max. 2,6 VA; for 24V DC: max. 4,5 W
Display: LED, red, 4 x 20 mm high, display brightness adjustable in 8 steps
Data memory: non-volatile memory, EEPROM type
Displayed values range: 4 digits (-999...9999 plus decimal point) or any of character indication in range of 7-segments display
Accuracy (25 °C): ± 0,1 % FSO
Tolerance band (0...50°C): max. 0,25 % FSO
Sensor power supply output: 24V DC, non-stabilized, not insulated from measuring inputs; for 230V and 110V AC power supply: ± 3V max. 25 mA; for 24V DC power supply: ± 15% max. 100 mA
Communication interface: RS-485 (Modbus RTU), not galvanically isolated
Transmission speed: adjustable in range from 1200...115200 bit/s
Transmission parameters: 8N1 and 8N2
Operating temperature: 0...50°C or -20...50°C (on special request)
Storage temperature: -10...70°C
Protection class: IP 65
Case: wall-mounted
Case material: ABS + glass fibre
Case dimensions: without glands: 110 x 80 x 67 mm; with glands: 110 x 105 x 67 mm

Ordering

PAD-N118D-0000-1-X-XX5-N1

options:
00 : no options
08 : operating temp. -20...50°C

power supply:
1 : 24V DC
2 : 230V AC
8 : 110V AC

Accessories

IR programmer PMT-15

V.01.2010

BD SENSORS GmbH, BD-Sensors-Str. 1, D-95199 Thierstein, Phone: +49/9235/9811-2099, Fax: +49/9235/9811-860, info@bdsimex.de