

- Input 0-20, 4-20mA, 0-5, 1-5, 0-10, 2-10VDC, Pt-100, Pt500, Pt1000 or serial data RS485
- 4-digit LED 13mm height
- Programmable measuring range
- Root, square or 20 point linearization
- Programmable digital filter
- Configuration via IR remote controller or RS485 interface
- RS485 MODBUS RTU
- IR programmer as accessory

**DESCRIPTION**

The BDI74 efficiency indicators are low-cost and affordable panel-mounted digital indicators. They are available in three versions: current/voltage, temperature and without analog input, only with serial input. The 16-bit A/D converters used in them ensure very high stability and measurement precision. Parameters can be programmed freely through an infrared link or through the RS-485 interface, built-in as a standard. Configuration of the device can also be programmed to the customer's order. The RS-485 interface makes it easy to set up measurement networks in production process monitoring systems, and also to use the indicators as smart, programmable, digital converters of input signals for computer systems. An additional advantage of the device is that its dimensions are small and it can be easily mounted.

TECHNICAL SPECIFICATIONS

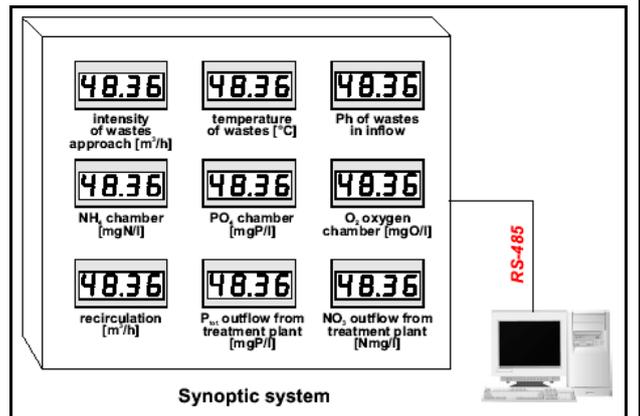
Construction : Panel design to standard DIN 72 x 36mm
Wiring : Screw terminals at rear panel
Housing : NORYL UL94V-0
Isolation : Input to supply for 230 and 110VAC
Indication : Red LED 4-digit height, 13mm.

INPUT

Pt-100-500-1000 : -100 – 600°C 3 or 4-wire
Voltage : 0-5, 1-5, 0-10 or 2-10VDC
Current : 0-20, 4-20mA
Seriell data : RS485
Indication : -999 till +9999

OUTPUT

Communication : RS485 MODBUS RTU

**INSTALLATION**

Supply : 230, 110VAC isolated or 24VDC (not separated)
Ambient temp : -10 to +50°C, RH 0 to 85%
Storage temp : -10 to +70°C
Mounting : Panel with bracket
Protection class : IP40, IP20 rear
Dimension : B72 x H36 x D78mm 24VDC D94mm 230VAC
Weight : 180g

PERFORMANCE

Accuracy error : < ±0.15% FS
Display : Red LED 4-digit height, 13
Power consumption : 1.5VA 230, 110VAC (1W 24VDC)

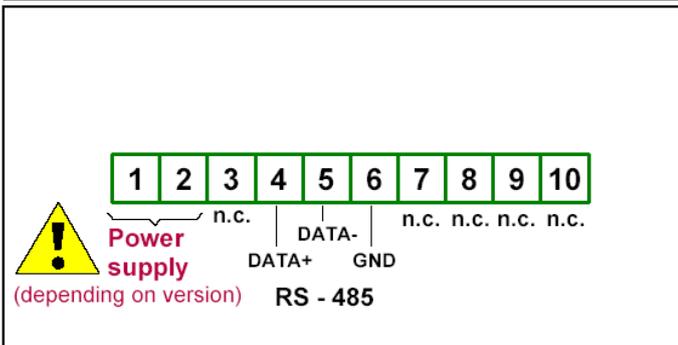
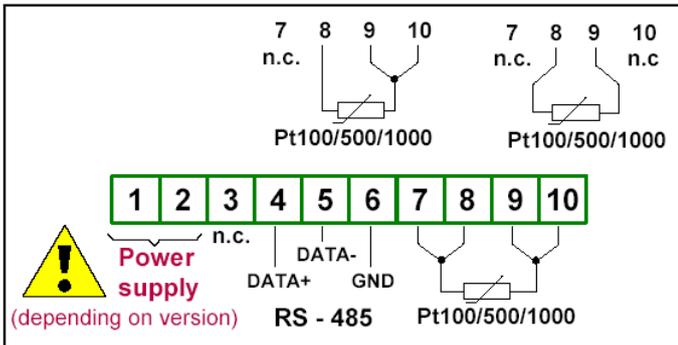
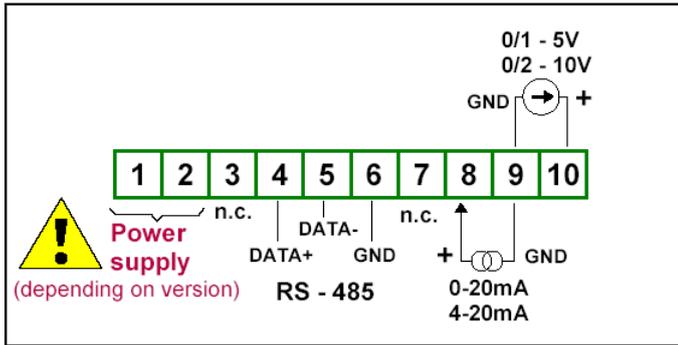
Isolation : Input/output to supply 2300VDC/AC peak (230VAC version)

EMC : EN 50081-1, EN 50082-2, EN 61010-1 EN 61010-1/A2:1999

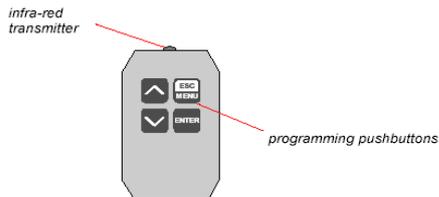
**REMOTE CONTROLLER****ORDER INFORMATION**

BDI74	SUPPLY	OPTION
INPUT		
A mA/V	1 24VDC	0 No option
T RTD	2 230VAC	RC IR remote controller
S RS485	3 110VAC	
L Loop input		
4-20mA		

CONNECTION



DESCRIPTION OF IR REMOTE CONTROLLER AND CONTROL SOFTWARE PUSHBUTTONS



Symbols and functions of pushbuttons



Symbol used in the manual: [ESC/MENU]

Functions:

- Enter to main menu (press and hold by at least 2 sec.)
- Exit the current level and Enter to previous menu (or measure mode)
- Cancel the changes made in parameter being edited



Symbol used in the manual: [ENTER]

Functions:

- Start to edit the parameter
- Enter to the sub-menu,
- Confirmation of changes made in parameter being edited



Symbol used in the manual: [^] [v]

Functions:

- Change of the present menu,
- Modification of the parameter value,
- Change of the display mode.