INOR

The Transmitter Company

User instructions

5 YEAR WARRANTY

I^PAQ-4L ™

Inor
Intelligence ™

Intelligent universal 4-wire transmitter

INOR
PROCESS AB

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Measuring is our business

General information

IPAQ-4L is a 4 wire transmitter intended to be used in industrial environment.

The transmitter is configured from a standard IBM compatible PC by using the IPRO software version 3.06 or later. When the transmitter is set from a PC no calibration is needed.

Configuration

The IPAQ-4L must be powered, when you confiugre the transmitter, see figure 13.

NOTE: The label on the transmitter indicate allowed power supply to the transmitter. By connecting false power supply the transmitter may be damaged.

If IPRO (the IPAQ software) isn't installed in your PC, install the software (follow the instructions in "IPRO User instructions").

Configuration from PC is "on-line", that is, the transmitter can be installed in the process with input connected during configuration. The output is frozen while transmission from PC to IPAQ take place. When transfer is done the transmitter uses the new parameters.

Connections

1. Power supply is connected according to figure 13. Use the power supply indicated on the transmitter.
2. Input signal is connected according to figure 1-10.
3. Output signal is connected according to figure 11-12.

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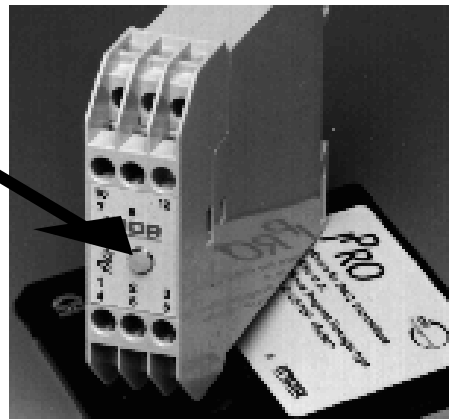
INPUTS

RESISTANCE THERMOMETERS

Pt100, Pt1000, Ni100, Ni1000

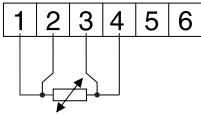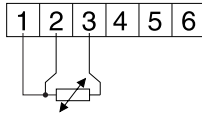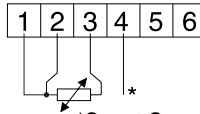| 4-sensor wires	3-sensor wires	Pt100 3-sensor wires	Pt100 Diff temperature $T_1 > T_2$

1	2	3	4	5	6

Fig 1

1	2	3	4	5	6

Fig 2

1	2	3	4	5	6

*Smart Sense wire

Fig 3

1	2	3	4	5	6

T_2 T_1
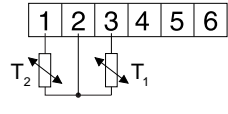
Fig 4

THERMO COUPLE

AE,B,E,J,K,L,N,R,S,T,U or custom specified

1	2	3	4	5	6

- +   *
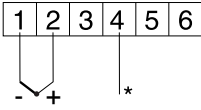
*Smart Sense wire

Fig 5

POTENTIOMETER

4-sensor wires	3-sensor wires
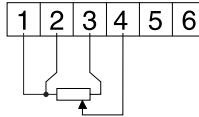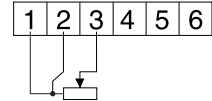
1	2	3	4	5	6

Fig 6

1	2	3	4	5	6

Fig 7

VOLTAGE

millivolt	volt
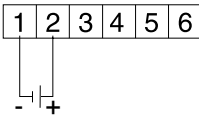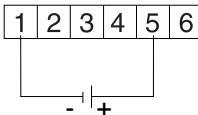
1	2	3	4	5	6

-   +

Fig 8

1	2	3	4	5	6

-   +

Fig 9

CURRENT

mA

1	2	3	4	5	6

-   +

Fig 10

OUTPUTS

Voltage

7	8

+ -

Fig 11

Current

7	8

+ -

Fig 12

POWER SUPPLY

10	12

$\simeq$ 0
(+) (-)

Fig 13

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Extensible holder for wall mounting

35

82

99

10 12
7 8

80 90

1 2 3
4 5 6

22,5
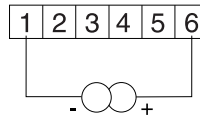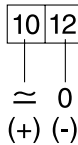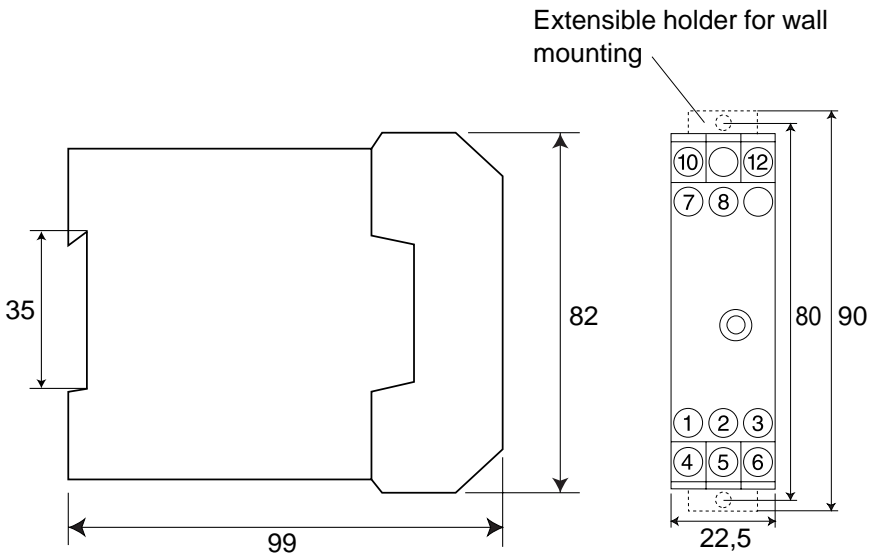
Fig 14

Fig 15   mm

Short form data:

Power supply: 90-250 VAC or 20-30 VDC
                           (allowed power is indicated
                           on the transmitter).
Ambient temperature: -20 - 70°C
Isolation /input/ouput/power   4000 VAC
Typical accuracy   0.2 %
Mounting   Rail, DIN50022

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All information subject
to change without
notice.