PANEL DIGITAL READOUTS SERIES VD3 VCC

Versions: VD 30Vcc - VD31 Vcc - VD300 Vcc VD30TF Vcc VD31TF Vcc

Digital readouts series **VD3 Vcc** and **VD3TF Vcc** can be coupled to transducers which provide a direct voltage proportional to the electrical quantity to be measured:

They can display direct voltages ranging from 1 to 250 Vdc: the measuring range can be adjusted according to the maximum voltage supplied by the transducer.

The number of decimal digits can be selected by means of internal bridges. All instruments are provided with extractable terminal board

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Specifications:

Power supply	24 Vac or 115/230 Vac ±10% 50/60Hz
Absorption	3 VA
Display	7-segment LED display h. 12.7 mm
Display range	**VD30** -999 ÷ 999 **VD31** -1999 ÷1999 **VD300** 0 ÷ 9990 (less significative digit fixed at zero)
Decimal digits	0, 1, 2, 3
Signal inputs	0 ÷ ±5Vdc 0 ÷ ±25Vdc 0 ÷ ±250Vdc
Polarity	**VD31** automatic with ± sign indication **VD30** and **VD300** automatic without ± sign indication
Resolution	**VD31** 0.05% of the display range **VD30** and **VD300** 0.1% of the display range
Accuracy	± 0.05% of the calibration
Operating temperature	0 ÷ 45°
Connections	8-pin extractable terminal board
Weight	0.7 Kg ca.
Panel cut off dimensions	92 x 45 mm
Instrument dimensions	48 x 96 x 99 mm

Installation Instructions

Connections

Connect the instrument as described in the enclosed diagram; check that the power supply corresponds to the one shown in the label.

Choose the input terminal according to the voltage to be measured, following the indications of the enclosed diagram.

Configuration

To configurate the instrument it is necessary to: cut the power supply off, extract the terminal board, remove the rear frame and take the circuit from the box completely off. Select the jumpers as shown in the enclosed diagram. Close the instrument before suppling it again.

Calibration

Set the input voltage to its maximum value and adjust the display at the requested value by means of the display range trimmer. In the TF versions the trimmer is placed under the front case: use a small plate screwdriver to remove the front case.

Maintainance:

Check the terminals fixing periodically.

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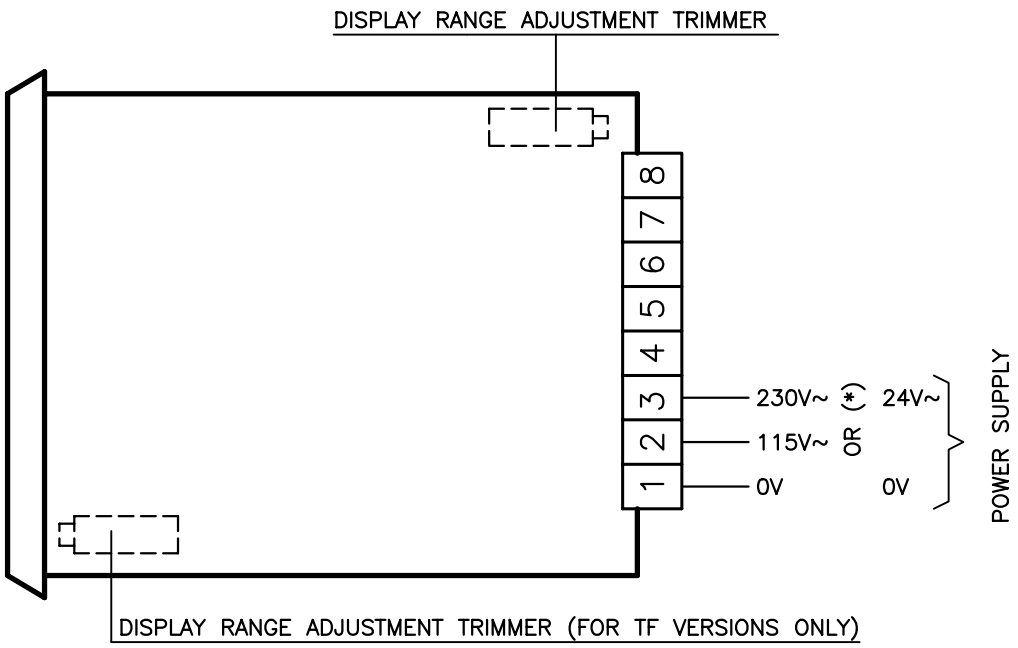
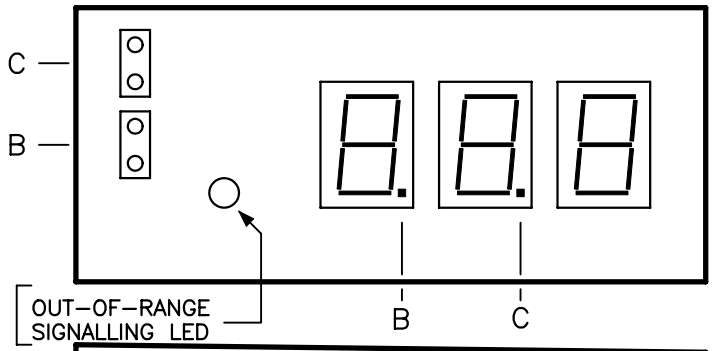
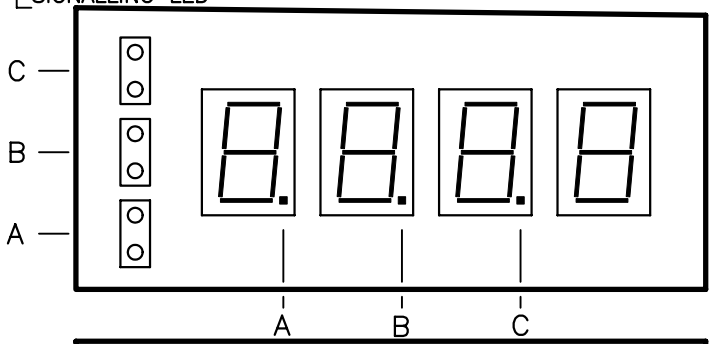
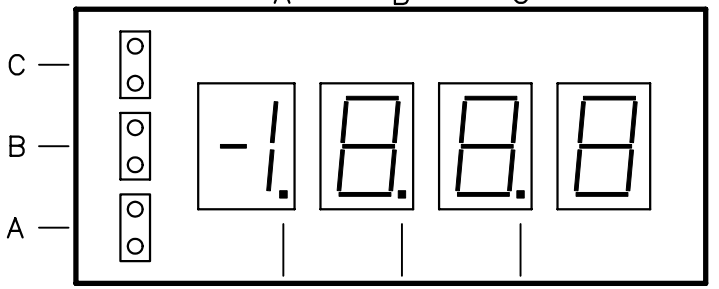
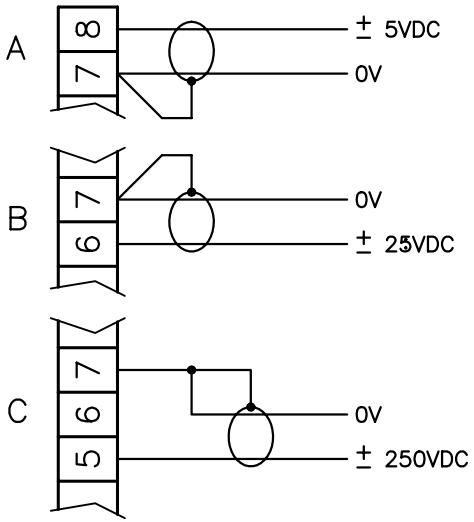








(*) SEE THE SUPPLY LABEL
A: CONNECTION FOR INPUT VOLTAGE RANGING BETWEEN 0 AND ±5VDC
B: CONNECTION FOR INPUT VOLTAGE RANGING BETWEEN 0 AND ±25VDC
C: CONNECTION FOR INPUT VOLTAGE RANGING BETWEEN 0 AND ±250VDC



DECIMAL POINT SELECTION BY JUMPER

DISEGNO N.	CODICE	SCALA	FOGLIO	SOSTITUITO DA	DATA	FIRMA	DISEGNATO	DATA	SOFTWARE
C2483			1 di 1				T.R.	18.10.01	

DENOMINAZIONE	TOLL.	MATER.	SOSTITUISCE	DATA	FIRMA	VISTO	FILE
CONNECTION DIAGRAM VD 30-31-VDC VD 30-31-TF VDC							C2483.DWG

NOTE	MODIFICHE	DESCRIZIONE	DATA	FIRMA
		Power supply	13.7.05	TR

CLIENTE

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