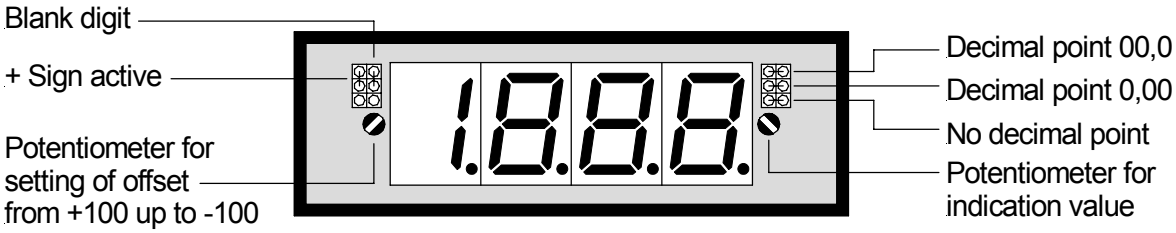
Direct voltage 60 mV – 150 mV – 300 mV – 1 V

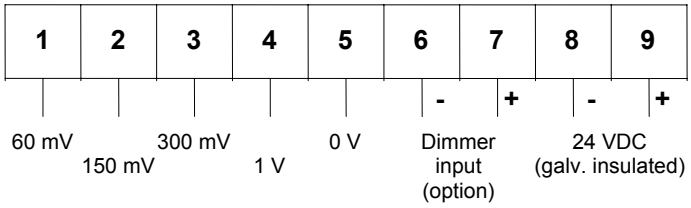
- Allows to be placed side by side in grid and mosaics systems
- Mounting into panels with thickness up to 50 mm

72x24

1888



ORDER NUMBER OF TYPE **DV 3.002.570B**



Options

- Protection IP54 – screw terminal standard
- Protection IP65 – screw terminal standard **(see reference)**
- Protection IP54 – plug in termial
- Protection IP65 – plug in terminal **(see reference)**

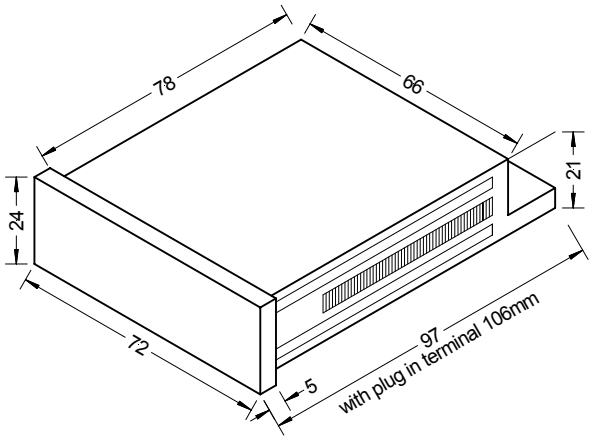
Reference: Decimal point, plus sign and blank digit have to be pretended!

- Brightness control with DIM device

Technical data, handling

Dimensions	Housing	72 x 24 x 99 mm (WxHxD), with screw terminal (D = 106 mm including plug in terminal)
	Assembly cut out	$68^{+0.7}$ x $22.2^{+0.3}$ mm (WxH)
	Fastening	special quick plastic clamp proper to fix in wall thickness up to 50 mm
	Housing material	PC/ABS-plastics blend, colour black, UL94V-0
	Protective system	at the front IP40 connection IP00
	Weight	approx. 110 g
	Connection	at the rear side via terminals up to 2.5 mm^2
Input	Measuring range	0-60 mV, 150 mV, 300 mV, 1 V all ranges are selectable via connection terminal / offset adjustment supported by offset potentiometer
	Input resistance	Ri with 60 mV = 15 KΩ 300 mV = 75 KΩ 150 mV = 39 KΩ 1 V = 220 KΩ
	Indication control	brightness control with DIM device (option)
Accuracy	Resolution	+/- 1999 Digit
	Measuring fault	+/-0.1% of measuring value, +/- 1 digit
	Temp. drift	150 ppm/K
	Measuring principle	Dual-Slope-Integration
Power unit	Supply voltage	24 VDC +/-10 % galvanic insulated
	Power consumption	approx. 2 VA
Indication	Display	7-Segment-LED, 14 mm high, red 3½ digits = indication 1999
	Overflow	by showing of „**1“** on the fourth digit
	Decimal point	adjustable by bridging on front side
	Blanking	blanking out of first digit (selectable by bridge)
	Plus sign	adjustable by bridging on front side
	Indication time	1 second
Ambient conditions	Working temperature	0 up to + 60 °C
	Storing temperature	- 20 up to + 80°C

Housing:



CE-sign
For unlimited use of the instrument within the directives for electromagnetic compatibility 89/336/EC analogue input wires have to be used with shielded cable and cable's shield connected to earth ground at one end only.

Setting

1. Connect the instrument according to the wiring diagram and turn power on.
2. Setting of indication value: Remove the front pane using the eject gap.
3. Set the maximum input voltage and adjust the desired indication value by means of the potentiometer.
4. In order to achieve maximum value indication of 1999, the following minimum input voltages are required at the various measuring inputs:

Measuring input	60 mV	150 mV	300 mV	1 V
U min	30 mV	60 mV	150 mV	300 mV
U max	80 mV	180 mV	360 mV	1.2 V

5. With input voltages smaller than U_{min}, maximum value indication is not available!