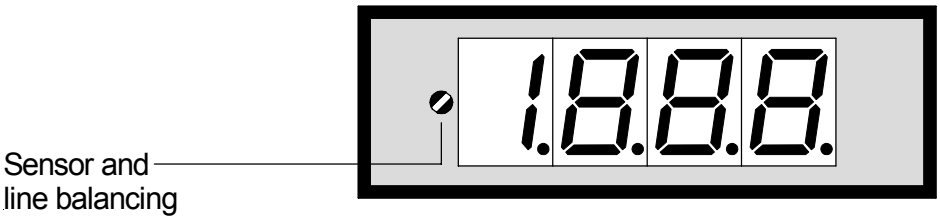
Temperature metering thermocouple

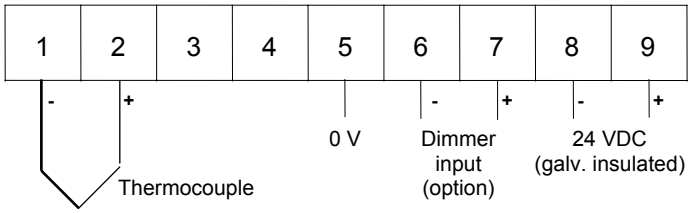
- Allows to be placed side by side in grid and mosaics systems
- Mounting into panels with thickness up to 50 mm

72x24

1888



ORDER NUMBER OF TYPE **DT 3.40x.570B**



DT 3.4x**L**.5xx	FeCuNi (DIN)	-50 up to + 500°C
DT 3.4x**J**.5xx	FeCuNI (amerik.)	-50 up to + 500°C
DT 3.4x**K**.5xx	NiCrNi	-100 up to + 800°C

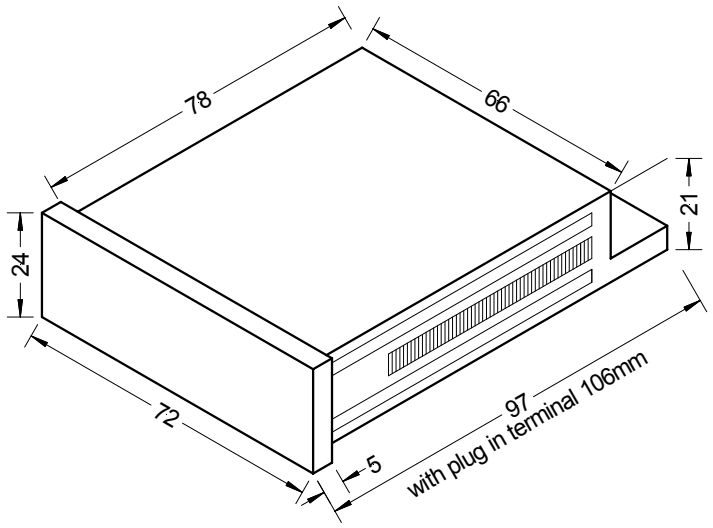
Options

- Protection IP54 – screw terminal standard
- Protection IP65 – screw terminal standard
- Protection IP54 – plug in termial
- Protection IP65 – plug in terminal
- Brightness control with DIM device

Technical data, handling

Dimensions	Housing	72 x 24 x 99 mm (BxHxT), with screw terminal (T = 106 mm including plug in terminal)
	Assembly cut out	$68^{+0.7}$ x $22.2^{+0.3}$ mm (BxH)
	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	**L** FeCuNi (DIN)	-50 up to + 500°C
	J FeCuNi (americ.)	-50 up to + 500°C
	K NiCrNi	-100 up to + 800°C
	Indication control	brightness control with DIM device (option)
Accuracy	Resolution	1°C
	Measuring fault	+/-1% of measuring value, +/-1 digit
	Temp. drift	100 ppm/K
	Measuring principle	Dual-Slope-Integration
Power unit	Supply voltage	24 VDC +/-10 % galvanic insulated
	Power consumption	approx. 2 VA
Indication	Display	LED with 7 segments, 14 mm high, red 3½ digits = indication 1999
	Indication time	1 second
	Line break	by showing „**1**“ on the fourth digit
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

The unit is adjusted ex works. Later adjustments are necessary in applications with long distance wiring only.

1. Connect the instrument according to the wiring diagram and turn power on.
2. Adjusting of line balancing: Remove the front pane by using the eject gap.
3. Connect thermocouple simulator and adjust 0°C.
4. If necessary deviations on the display have to be corrected with potentiometer for line balancing.