

# Room transmitter with display 0-10 V

Article number: 801110 2013

Our room transmitter has a 0-10 V voltage output and can be mounted using screws. The room transmitter with 0-10 V display has a Baldur 1 plastic housing with a two-line display and is suitable for measuring the temperature in indoor areas such as offices, supermarkets and schools.



Supply and output	
Output	0 - 10 V
Power consumption	< 1,0 VA / 24 V DC; < 2,2 VA / 24 V AC
Voltage supply	24 V AC / DC (± 10 %)
Connection type	3-Wire

General information	
Measuring range	0 °C to +50 °C
Sensor	Pt1000, DIN EN 60751, Class B
Temperature deviation	typically ± 0.2 K at +25 °C
Load resistance	RI > 5 kOhm
Process connection	by screws

Housing	
Material	Plastic Material ABS
Dimensions (L/W/H) (mm)	85 x 85 x 27
Color	Pure white (similar to RAL 9010)
Electrical connection	0.14 - 1.5 mm <sup>2</sup> , via screw terminals on circuit board

Display	
Display	Two lines, lighted For display of actual temperature and self-diagnostics (overrange, underrange, probe break, probe short-circuit)
Cut-out Display (B/H) (mm)	ca. 36 x 15

Ambient conditions	
Ambient temperature	-30 °C to +70 °C
Permissible air humidity	< 95 % r. H., non-precipitating air

Certifications / Standards	
Protection class	III (nach EN 60 730)
Protection type	IP 30 according to EN 60 529
Standards	CE conformity electromagnetic compatibility according to EN 61326 according to EMC Directive 2014/ 30/ EU

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## Testo Sensor GmbH

Testo-Straße 1  
D-79853 Lenzkirch

+49 7653 96597-0  
+49 7653 96597-99

info@testo-sensor.de  
www.testo-sensor.de

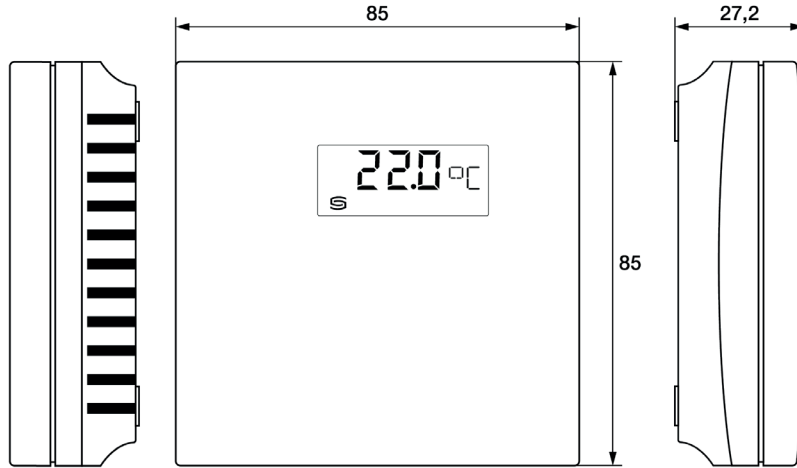
Unser Standard-Portfolio finden Sie in unserem  
Webshop unter: [www.testo-sensor.shop](http://www.testo-sensor.shop)

**Delivery and Packing**

Delivery	Transmitter, Operating instructions
Packing	individually packed in cardboard box
Article number	801110 2013

**Technical drawing**

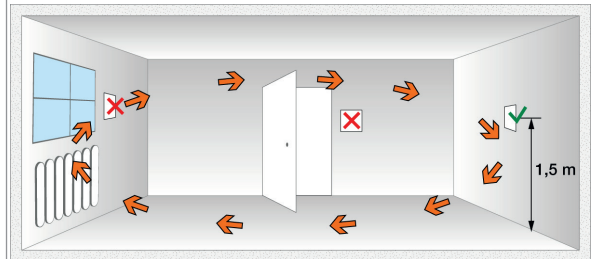
All dimensions in mm



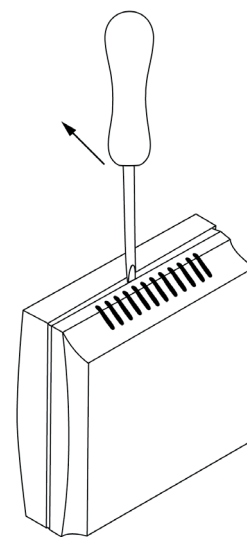
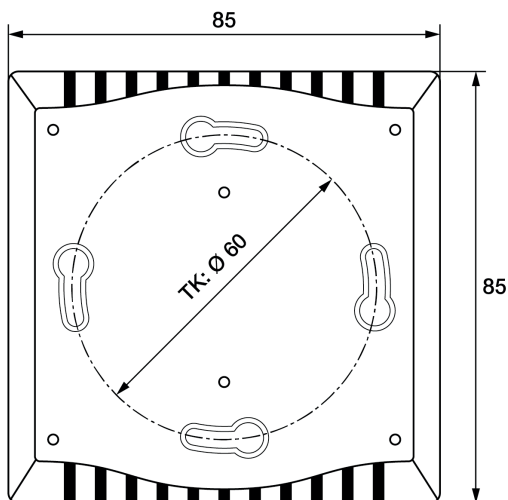
**Important assembly instructions**

For an accurate measurement of the room temperature, it is important to consider the temperature dynamics in the room. Air circulation should only take place through the openings in the housing cover. Therefore, the transmitter should be installed away from objects or obstacles that shield air movement. Please also be sure to avoid uncontrolled air currents (draughts) by installing near doors or windows. In addition, the transmitter should not be mounted on the colder outside wall.

Wall mounting or on flush-mounted box, Ø 55 mm, bottom part with 4-hole, for mounting on vertically or horizontally installed flush-mounted boxes for cable entry at the rear, with predetermined breaking point for cable entry at the top/ bottom for surface-mounted units.



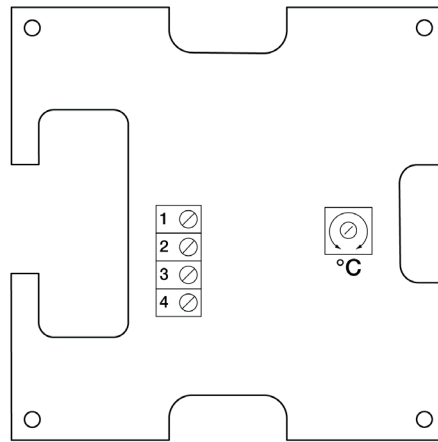
**Drilling template**



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**Circuit diagrams and assignment (Please also read the operating instructions before connecting the transmitter)**

**Wiring diagram**



**Assignment**

- 1 = +UB
- 2 = Output temperature (°C)
- 3 = n.c.
- 4 = GND (Background lighting)

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