



Description:

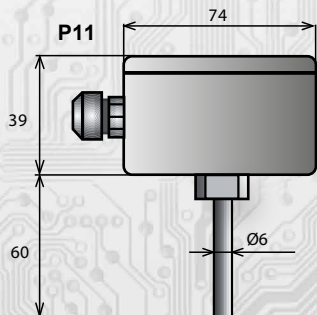
The temperature sensors are designed for general-purpose application in control and regulation systems for the measuring, signaling and registration of outside temperature. The sensor head is made of a plastic material, the stem is made of stainless steel (DIN 1.4301). The converter temperature - current or temperature - voltage, which is positioned in the transducer head, is not provided with a galvanic separation. The operation conditions are met by conventional, chemically non-aggressive environment, in which neither attendance nor maintenance is required by the transducers.

Basic technical parameters

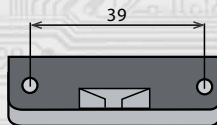
Sensor	Pt1000	
Measurement error	< 0,6 %	
	(P11I)	(P11U)
Output signal	4 ÷ 20 mA	0 ÷ 10 V
Power supply U _{cc}	11 ÷ 35 VDC	18 ÷ 30 VDC
Load resistance	R _z < (U _{cc} -11) x 50 [Ω]	R _z > 50 kΩ
Sensing element break	I _z > 24 mA	U _v > 12 V
Sensing element short	I _z < 3 mA	U _v ~ 0 V
Ambient temperature	-30 ÷ 80 °C	
Relative humidity	< 80%	
Material	polycarbonat, grey colour (on request white)	
Protection type	IP 30	
Terminal board	COB5/2, diameter 0,35 ÷ 2,5 mm ²	

Version: P11I.....with the plastic holder to the attaching to a wall
P11II....direct mounting to a wall

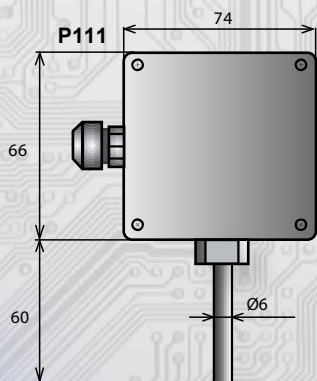
Dimensions and accessories



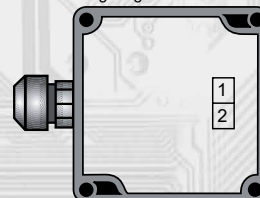
plastic holder A - for P11x



2 holes Ø 4,5 mm

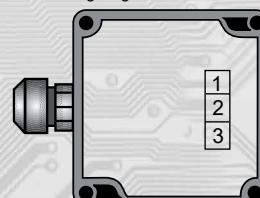


Wiring diagram - P11I, P11II



1,2: current loop arbitrary polarity

Wiring diagram - P11IU, P11IUI



1: positive pole of the supply source
2: negative pole of the supply source
3: 0 to 10 V output

Temperature ranges

-30 ÷ 60 °C
0 ÷ 35 °C
0 ÷ 50 °C
0 ÷ 100 °C