



The resistance temperature transducers series **PL11** are designed for temperature measuring in exterior applications. Transducers are provided with the degree of protection IP 65. The concrete sensing element with the terminal board is located on the printed circuit board that is adjusted for the installation into appropriate installation box.. All kinds of common used sensing components can be used as a sensor e.g. Ni1000, Ni10000, Ni891, Pt100, Pt500, Pt1000, NTC 10k Ω , NTC 20k Ω , type KTY, SMT160, sensors DALLAS and others.

Summary

Type	PL11L	PL11S	PL11J	PL11H	PL11P	PL11PA	PL11PB	PL11LA	PL11SA
Sensor type	Ni1000 Tk = 5000	Ni1000 Tk = 6180	Ni1000 Tk = 6371	NTC 20k Ω	Pt100 Tk = 3850	Pt1000 Tk = 3850	Pt500 Tk = 3850	Ni10000 Tk = 5000	Ni10000 Tk = 6180

Basic technical parameters

Measuring range	-30 to 80 °C	Current load I _{max.}	0,5 mA
Accuracy	class B	Current load I _{max.} (Pt100)	2 mA
Ambient temperature	-30 to 80 °C	Degree of protection	IP 65
Relative humidity	< 80%	Cable recommended cross section	0,35 to 2 mm ²

Mounting the transducers

Screw out the small screws and remove the head cover. Then, connect the lead-in cables of the recommended cross section from 0,35 to 2 mm² and of the outer diameter 4 to 8 mm to the terminal board through the cable gland. Once the small screws are screwed in and the cover is placed back into its position, the mounting is terminated and the transducer is ready for operating.

Method of ordering

State the quantity of pieces and the transducer type in your order.
An order example: **5 pieces transducer PL11L**