

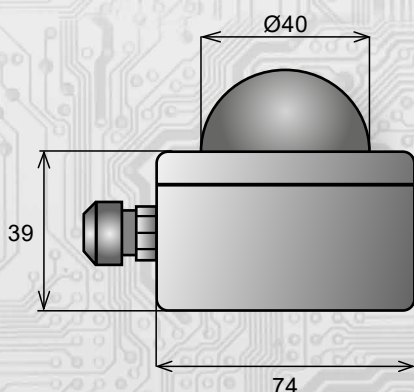


The radiation temperature sensors are designed for general-purpose application in control and regulation systems for temperature detection in larger room and halls. The radiation temperature sensor determines the effective part of active radiation respective the effectively radiant heat at the measured location. The temperature element is located under the black hemisphere. The head of sensor is made of polycarbonate, cover is provided with quick-locking screws,

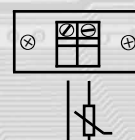
Technical parameters:

Measuring range	-30 ÷ 250 °C (Pt100, Pt500, Pt1000) -30 ÷ 200 °C (Ni1000, Ni10000, Ni891, Ni2226) -30 ÷ 150 °C (NTC 20kΩ)
Sensin element	see the table below
Connection	2 (on request 3 or 4) wiring
Accuracy	class B, IEC 751 (Pt100, Pt 500, Pt1000) class B, DIN 43760 (Ni1000, Ni10000, Ni891, Ni2226) ± 1 °C (NTC20kΩ)
Head	material polycarbonat, blue colour (grey on request) surrounding's temperature -30 ÷ 80 °C
Stem	stainless steel, DIN 1.4301, Ø = 6 mm, length of stem L1: see the table below
Insulation resistance	> 100 MΩ at 25 °C (500 V DC)
Protection type	IP 65 (EN 60529)
Relative humidity	< 95 %
Terminal board	COB 5/2, wire cross section 0,35 ÷ 2,5 mm²
Cable gland	PG9, wire diameter 4 ÷ 8 mm
Versions	P12x - L1 (one sensing element) 2P12x - L1 (two sensing elements) x = P, PA, PB, S, L, J, SA, H or N

Dimensions



wiring



Summary

Sensor	P30P	P30PA	P30PB	P30S	P30L	P30J	P30SA	P30H	P30N
Sensing element	Pt100	Pt1000	Pt500	Ni1000/6180	Ni1000/5000	Ni891	Ni10000/6180	NTC 20kΩ	Ni2226
Recommended measurement current	1 mA	0,1 mA	0,7 mA	0,1 mA	0,1 mA	0,1 mA	0,01 mA	*	0,1 mA
Max. measurement current	5mA	1 mA	3 mA	1 mA	1 mA	1 mA	0,5 mA	*	0,7 mA