

The sensors PTC99 can be used with control system Johnson Controls - equivalent to the sensors type A99. The head of sensor is made of polycarbonate, cover is provided with quick-locking screws, all metallic parts are made of class DIN 1.4301 stainless steel. The operation conditions are met by conventional, chemically non aggressive environment, in which neither attendance nor maintenance is required by the sensors.

Main technical parameters

Measurement error	see graph
Ambient temperature	see table
Relative humidity	< 80%
Degree of protection	IP 65 *
Current load	$I_{max} < 10mA$
Max. wire diameter	$2,5 mm^2$
Terminal board	COB 5/2
Diameter of connecting cable	4 to 8 mm

* Interior sensors - IP30

Technical description, execution

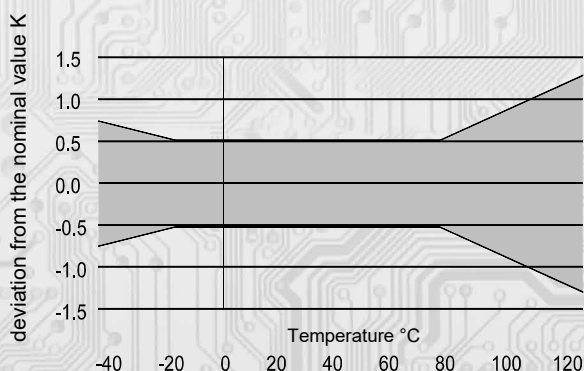
P10JA, SBJA
P11JA, PL11JA

P12JA-L1
P13JA-L2

P14JA, P15JA
SK2JA-2SS-x, SK2JA-2PS-x

- sensor for temperature measuring in interior applications.
- sensor are designed for temperature measuring of outdoor air. They are provided with a plastics console for attaching to a wall;
- sensor execution for mounting into air conditioning ducts.
- the sensors are designed for measuring operations in pipelines. As an accessory, a part of the sensors a stainless steel well fitted with a thread G 1/2: of length L2 mm, which was tested for pressure of 4,0 MPa.
- surface contact sensors
- sensors 6x60mm, stainless steel, x= length of the cable, Silicon cable -SS, PVC cable - PS)

Accuracy of the sensor



Method of ordering

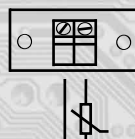
State the quantity of pieces and the transducer type in your order.

An order example: **5 pieces of sensors P13JA-100**

Transducer type

Well length

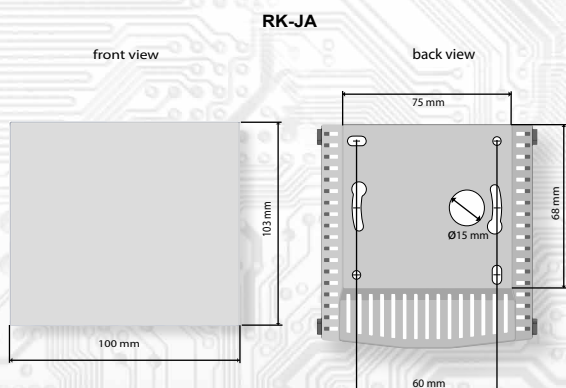
wiring



Standard lengths L1 and L2

L1 (mm)	L2 (mm)
120	100
180	160
240	220
300	280
360	340
420	400

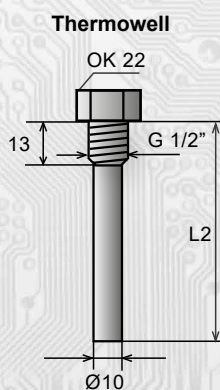
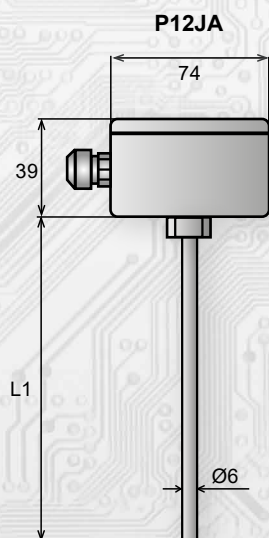
Dimensions and accessories



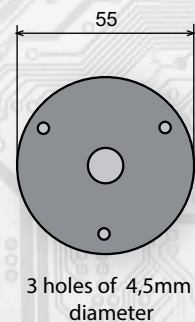
The relationship between sensor temperature and resistance

Temperature (°C)	Resistance (Ω)
-40	613
-35	640
-30	668
-25	697
-20	727
-15	758
-10	789
-5	822
0	855
5	889
10	924
15	960
20	997
25	1035
30	1074
35	1113

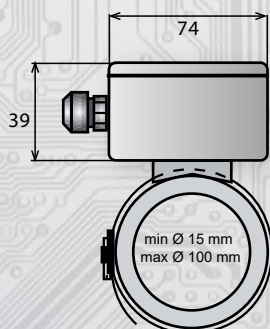
Temperature (°C)	Resistance (Ω)
40	1153
45	1194
50	1236
55	1279
60	1323
65	1368
70	1413
75	1459
80	1506
85	1554
90	1602
95	1652
100	1702
105	1753
110	1805
115	1857
120	1909



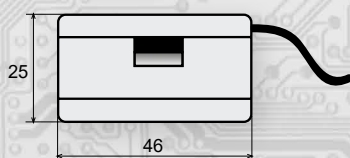
Central holder for - P12JA



Strap - Mount - P14JA

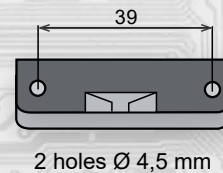


Contact sensor with a cable - P15JA



Maximum temperature of the measured surface $t_p < 120^\circ\text{C}$

Side holder A - for P11JA



Interior type - P10JA

