

RS-NTC 10-C – Passive room temperature sensor



RS-NTC 10-C is a passive room temperature sensor for measuring indoor room temperature. The sensor has a modern plastic housing with a smooth snap-on cover. The sensor is suitable for surface installation and on a flush mounting box.

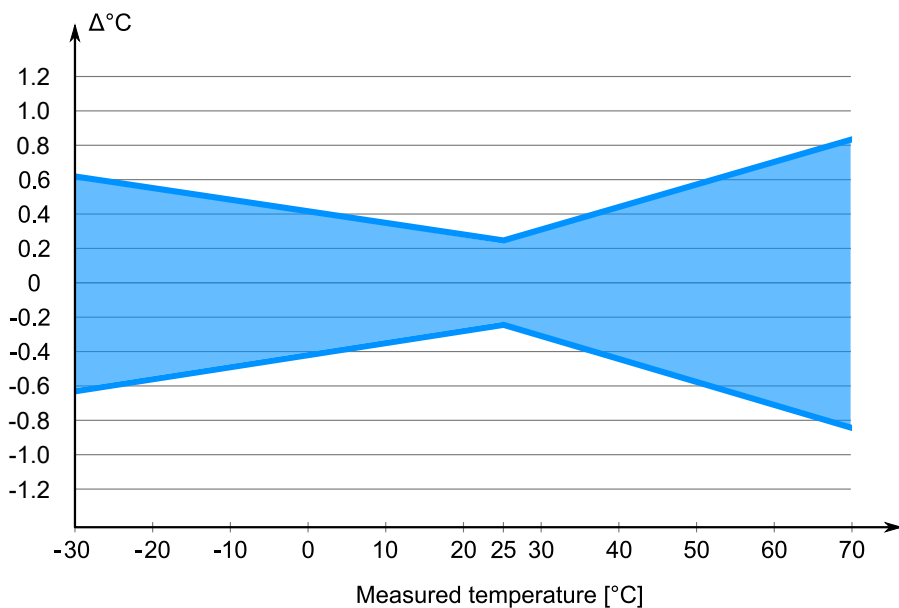
Temperature is detected by an NTC 10-C element with a nominal resistance of 10 k Ω at 25 °C.

You can do the wiring through the back of the housing as flush mounting or from top or bottom of the housing in case of surface mounting.

Technical specifications

Property	Value
Sensor	10 k Ω NTC element
Range	-30...70 °C
Accuracy	± 0.27 °C (at 25 °C) See the detailed temperature measurement accuracy from the chapter Detailed measurement accuracy on page 2.
Beta value 25/85	3500 K ± 1 %
Wiring terminals	Screw terminals, 1.5 mm ²
Appliance class (IEC 60664-1)	III
Operating conditions	
Temperature	-30...70 °C
Humidity	0...95 %rH (non-condensing)
Storage temperature	-30...70 °C
Housing	
Protection class	IP30
Materials	PC plastic
Mounting	on the wall surface or on a flush mounting box (60 mm hole distance)
Dimensions (w x h x d)	97 x 97 x 26 mm
 	Refer to the EU Declaration of Conformity or the UK Declaration of Conformity for compliance information. You can find the declarations on this product's page at www.produal.com .

Detailed measurement accuracy

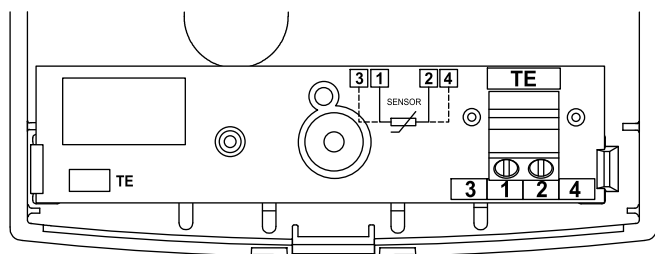


Resistance at different temperatures

°C	Ω
-30	1113000
-25	86430
-20	67770
-15	53410
-10	42470
-5	33900
0	27280
5	22050
10	17960
15	14690
20	12090

°C	Ω
25	10000
30	8313
35	6940
40	5827
45	4911
50	4026
55	3651
60	3020
65	2588
70	2228

Wiring



1	TE	The temperature is measured as a resistance value between these connectors.
2		

Ordering information

	Type	Product number	Description
	RS-NTC 10-C	5501W70000	NTC 10-C room temperature sensor, white
	RSB-NTC 10-C	5501B70000	NTC 10-C room temperature sensor, black
	VP-PROX	9000460	Protective casing for Proxima room products

Dimensions

