

RS-NTC 20 – Passive room temperature sensor



RS-NTC 20 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.

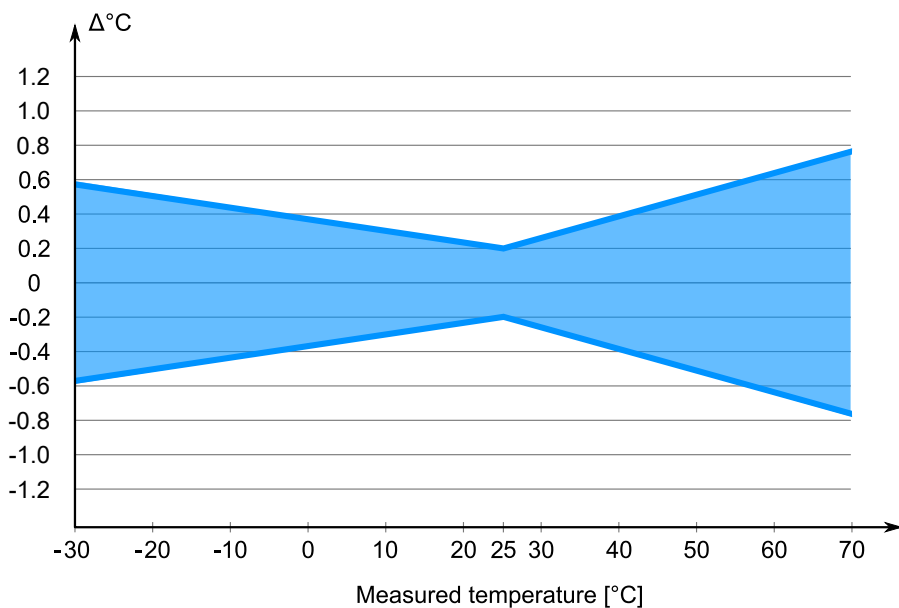
Temperature is detected by an NTC 20 element with a nominal resistance of 20 kΩ at 25 °C.

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	20 kΩ NTC element
Range	-30...70 °C
Accuracy	±0.21 °C (at 25 °C) See the detailed temperature measurement accuracy from the chapter Detailed measurement accuracy on page 2.
Beta value 25/85	4262 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

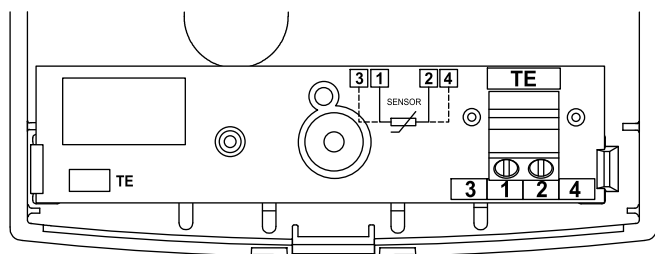


Resistance at different temperatures

°C	Ω
-30	413400
-25	300400
-20	220600
-15	163480
-10	122260
-5	92220
0	70140
5	53780
10	41540
15	32340
20	25340

°C	Ω
25	20000
30	15885
35	12697
40	10211
45	8260
50	6719
55	5496
60	4518
65	3734
70	3100

Wiring



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

Ordering information

	Type	Product number	Description
	RS-NTC 20	5501W20000	NTC 20 room temperature sensor, white
	RSB-NTC 20	5501B20000	NTC 20 room temperature sensor, black
	VP-PROX	9000460	Protective casing for Proxima room products

Dimensions

