

## RS-NTC 10 - Passive room temperature sensor



RS-NTC 10 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 element with a nominal resistance of 10 k $\Omega$  at 25 °C.

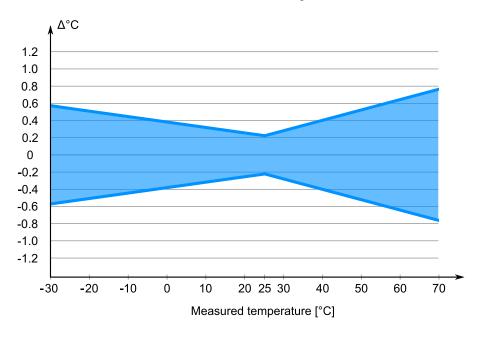
You can do the wiring through the back of the housing as flush mounting or from top or bottom of the housing in case of surface mounting.

#### Technical specifications

Property	Value		
Sensor	10 kΩ NTC element		
Range	-3070 °C		
Accuracy	±0.23 °C (at 25 °C)		
	See the detailed temperature measurement accuracy from the chapter Detailed measurement accuracy on page 2.		
Beta value 25/85 3970 K ±1 %			
Wiring terminals	Screw terminals, 1.5 mm <sup>2</sup>		
Appliance class (IEC 60664-1)			
Operating conditions			
Temperature	-3070 °C		
Humidity	O95 %rH (non-condensing)		
Storage temperature	-3070 °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		
CE EK	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

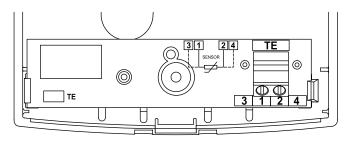


#### Resistance at different temperatures

°C	Ω
-30	180900
-25	132600
-20	98330
-15	73660
-10	55730
-5	42550
0	32780
5	25460
10	19940
15	15730
20	12500

°C	Ω
25	10000
30	8054
35	6528
40	5323
45	4365
50	3600
55	2986
60	2488
65	2084
70	1754

# Wiring



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





# Ordering information

	Туре	Product number	Description
Andread	RS-NTC 10	5501W10000	NTC 10 room temperature sensor, white
мент	RSB-NTC 10	5501B10000	NTC 10 room temperature sensor, black
	VP-PROX	9000460	Protective casing for Proxima room products

### **Dimensions**

