

## Overview of product

The room temperature sensor is primarily used to transmit measured air temperature in room. It used for surface mounting.



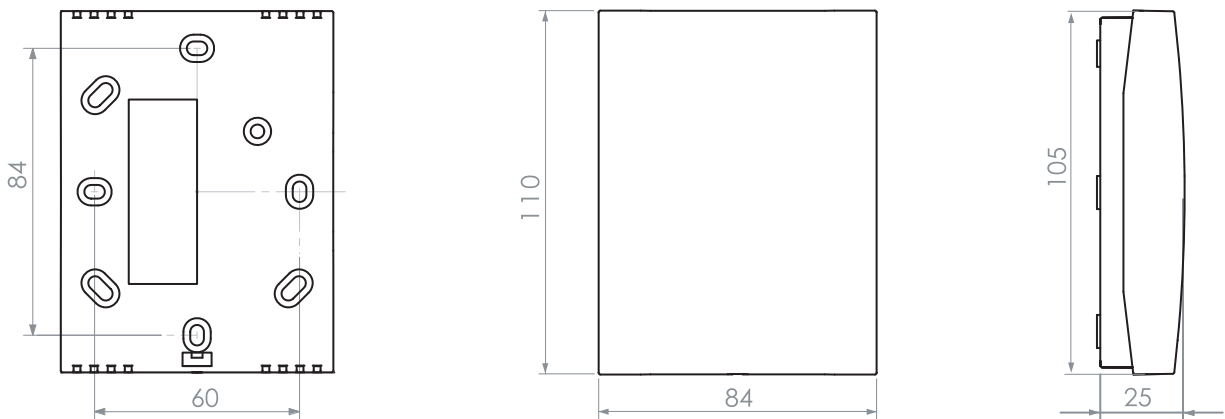
## Specifications

Model number	TG-R10000
Wiring terminals	Screw terminals, 0,5...1,5mm <sup>2</sup>
Sensing element	NTC thermistor, 10kΩ@25°C, see table 1 for characteristics
Range	0...40°C
Accuracy	± 0.5K
Degree of protection	IP30
Ambient humidity range	5...95% RH, non-condensing
Weight	0.1kg
Dimensions (L x W x H)	110 x 84 x 25mm

**Table 1 - Resistance versus temperature for TG-R10000**

Temperature °C	Resistance Ω	Temperature °C	Resistance Ω	Temperature °C	Resistance Ω	Temperature °C	Resistance Ω
0	27780	11	17550	21	11850	31	8160
1	26610	12	16860	22	11400	32	7869
2	25490	13	16190	23	10980	33	7590
3	24430	14	15560	24	10570	34	7323
4	23420	15	14950	25	10180	35	7066
5	22450	16	14370	26	9808	36	6821
6	21540	17	13820	27	9450	37	6585
7	20660	18	13300	28	9107	38	6359
8	19830	19	12790	29	8779	39	6142
9	19040	20	12310	30	8464	40	5933
10	18290						

## Dimensions (mm)



Do not open sensor cover. No serviceable parts.  
Cover to be opened by accredited service technicians only.