

WINDOW SURFACE TEMPERATURE SENSOR TEIK NTC 10

TEIK NTC 10 temperature sensor is made for automatic HVAC systems to detect window glass surface temperatures. Temperature is detected by a NTC - element with a nominal resistance of 10 k Ω (at 25 °C).

Information about the window surface temperature is needed when you want to add convenience by preventing the cold radiation and the feeling of draught created by an extensive window surface.

It is possible to control the electric power of the heating glass or air flows and heating powers of the air heating system by using that temperature information.

There, under the strippable coating, on the sensor body made of aluminium, is the adhesive paste for mounting the sensor on the window surface. Clean the window surface before fixing the sensor.

Sensor resistance at different temperatures:

°C	Ω	°C	Ω
120	389	25	10 000
100	679	20	12 490
90	916	15	15 710
80	1256	10	19 900
75	1480	5	25 400
70	1751	0	32 660
65	2082	-5	42 340
60	2488	-10	55 340
55	2986	-15	72 980
50	3602	-20	97 120
45	4368	-25	130 400
40	5326	-30	177 000
35	6532	-40	337 270
30	8055	-50	672 600



Technical data:

sensor	NTC 10 element
body	aluminium 50 x 20 x 8 mm
cabl	2 m, 2 x 0,14
range	-20...+60 °C
accuracy	±0.2 °C at 25°C
mounting	by adhesive paste

Ordering guide :

Model	Product number	Description
TEIK NTC 10	1175220	window surface sensor 10 k Ω / 25 °C

Products fulfil the requirements of directive 2004/108/EC and are in accordance with the standards EN61000-6-2001: 6 (Emission) and EN61000-3-2001: 2 (Immunity).