WINDOW SURFACE TEMPERATURE SENSOR TEIK NTC 1.8

TEIK NTC 1.8 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 1.8 kΩ (at 25 °C).

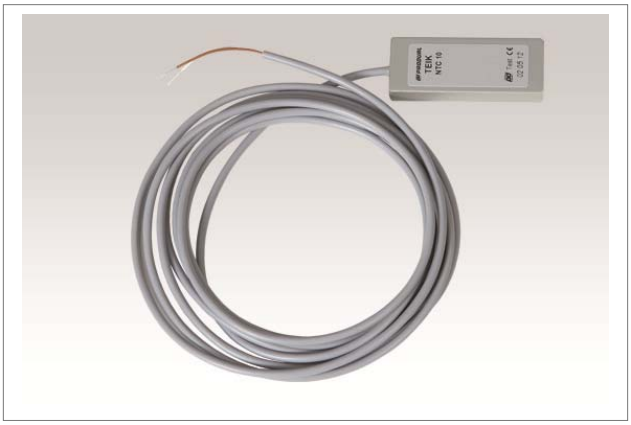
Information about the window surface temperature is needed when you want to add convenience by preventing the cold radiation and the feeling of draught created by an extensive window surface.

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	**110**	25	**1800**
100	**178**	20	**2177**
90	**230**	15	**2649**
80	**303**	10	**3241**
75	**349**	5	**3989**
70	**403**	0	**4940**
65	**468**	-5	**6159**
60	**545**	-10	**7730**
55	**638**	-15	**9771**
50	**750**	-20	**12 443**
45	**885**	-25	**15 969**
40	**1049**	-30	**20 659**
35	**1250**	-40	**35 480**
30	**1496**	-50	**63 229**



Technical data:

sensor	NTC 1.8 element
body	aluminium 50 x 20 x 8 mm
cable	2 m, 2 x 0,14
range	-20…+60 °C
accuracy	±0.3 °C at 25°C
mounting	by adhesive paste

Ordering guide :

Model	Product number	Description
TEIK NTC 1.8	117E220	window surface sensor 1.8 kΩ at 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).

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