

## WINDOW SURFACE TEMPERATURE SENSOR TEIK NTC 20

TEIK NTC 20 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 20 k $\Omega$  (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	$\Omega$	°C	$\Omega$
120	351	25	20 000
100	1114	20	25 350
90	1541	15	32 346
80	2166	10	41 567
75	2585	5	53 812
70	3099	0	70 203
65	3732	-5	92 322
60	4517	-10	122 431
55	5494	-15	163 777
50	6718	-20	221 088
45	8259	-25	301 297
40	10 211	-30	414 698
35	12 698	-40	810 861
30	15 887	-50	165 9082



### Technical data:

sensor	NTC 20 element
body	aluminium 50 x 20 x 8 mm
cable	2 m, 2 x 0,14
range	-20...+60 °C
accuracy	±0.25 °C at 25°C
mounting	by adhesive paste

### Ordering guide :

Model	Product number	Description
TEIK NTC 20	1176220	window surface sensor 20 k $\Omega$ 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).