

## WINDOW SURFACE TEMPERATURE SENSOR TEIK PT 100

TEIK PT 100 temperature sensor is made for automatic HVAC systems to detect window glass surface temperatures. Temperature is detected by a Pt100 element with a nominal resistance of 100  $\Omega$  (at 0 °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	146.06	25	109.73
100	138.50	20	107.79
90	134.70	15	105.85
80	130.89	10	103.90
75	128.98	5	101.95
70	127.07	0	100.00
65	125.16	-5	98.04
60	123.24	-10	96.09
55	121.32	-15	94.12
50	119.40	-20	92.16
45	117.47	-25	90.19
40	115.54	-30	88.22
35	113.61	-40	84.27
30	111.67	-50	80.31



### Technical data:

sensor	Pt100 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 0°C
mounting	by adhesive paste

### Ordering guide :

Model	Product number	Description
TEIK PT 100	1173220	window surface sensor 100 $\Omega$ at 0 °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).