

## DUCT TEMPERATURE SENSOR TEK NTC 10-KB

TEK NTC 10-KB temperature sensor is designed for automatic ventilating systems to detect duct temperatures.

Temperature is detected by a NTC sensor element with a nominal resistance of 5025  $\Omega$  at 25  $^{\circ}\text{C}$ .

Housing is made of heat-resistant plastic. The cover and the terminal blocks are tilted 45 $^{\circ}$  to provide easy installation.

Sensor is mounted to the duct by using an adjustable duct connection flange. Installation depth can be adjusted approximately from 100 to 220 mm.

### Sensor resistance at different temperatures:

$^{\circ}\text{C}$	$\Omega$	$^{\circ}\text{C}$	$\Omega$
120	467	25	5025
100	723	20	5573
90	923	15	6126
80	1194	10	6667
75	1364	5	7183
70	1562	0	7661
65	1791	-5	8093
60	2056	-10	8472
55	2358	-15	8796
50	2702	-20	9067
45	3088	-25	9288
40	3517	-30	9466
35	3987	-40	9712
30	4492	-50	9854



### Technical data:

Sensor	NTC 10-KB element
Stem	$\varnothing$ 8 mm x 220 mm
Duct connection	flange
Housing	plastic (< 120 $^{\circ}\text{C}$ )
Protection class	IP54, cable entry or stem down
Cable entry	M16
Range	-50...+70 $^{\circ}\text{C}$
Accuracy	$\pm$ 0.5 $^{\circ}\text{C}$ (at 25 $^{\circ}\text{C}$ )

### Ordering guide:

Model	Product number	Description
TEK NTC 10-KB	117B040	duct temperature sensor 5025 $\Omega$ / 25 $^{\circ}\text{C}$

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