

DUCT TEMPERATURE SENSOR TEK NTC 2.2

TEK NTC 2.2 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 2,252 k Ω /25 °C.

Housing is made of heat-resistant plastic. The cover and the terminal blocks are tilted 45° 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 200 mm.

Sensor resistance at different temperatures:

°C	Ω	°C	Ω
120	90	25	2252
100	153	20	2813
90	207	15	3538
80	283	10	4482
75	334	5	5718
70	395	0	7353
65	469	-5	9533
60	560	-10	12460
55	673	-15	16428
50	811	-20	21860
45	984	-25	29398
40	1200	-30	39908
35	1471	-40	75953
30	1814	-50	151470



Technical data:

sensor	NTC 2.2, 2,252 k Ω at 25 °C
stem	Ø 8 mm x 220 mm
duct connection	flange
housing	plastic (< 120 °C)
protection class	IP54, cable entry or stem down
cable entry	M16
range	-50...+70 °C
accuracy	±0,25 °C (at 25 °C)
materials	PBT, PC, PA, stainless steel

Ordering guide:

Model	Product number	Description
TEK NTC 2.2	1172040	temperature sensor 2,252 k Ω / 25 °C

Products fulfil 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).