

OUTDOOR TEMPERATURE SENSOR TEU NTC 10-KB

TEU NTC 10-KB temperature sensor is designed for detecting outdoor temperatures in automatic HVAC systems.

Temperature is detected by a NTC sensor element with a nominal resistance of 5025 Ω at 25 °C.

Housing is made of weather-proof plastic. The cover and the terminal blocks are tilted 45° to provide easy installation. Sensor is mounted on the wall by using screws.

Sensor resistance at different temperatures:

°C	Ω	°C	Ω
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	5025 Ω NTC element
measuring range	-50...+50 °C
accuracy	±0.5 °C (at 25 °C)
cable gland	M16
housing	weather-proof plastic
protection class	IP54, cable gland downwards
mounting	with $\varnothing$ 4.5 mm screws, hole distance 82 mm

Ordering guide:

Model	Product number	Description
TEU NTC 10-KB	117B090	outdoor temperature sensor, 5025 Ω at 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).