

OUTDOOR TEMPERATURE SENSOR TEU NTC 10-AN

TEU NTC 10-AN 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 10 k 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	483	25	10 000
100	817	20	12 268
90	1084	15	15 136
80	1458	10	18 787
75	1700	5	23 462
70	1990	0	29 490
65	2339	-5	37 316
60	2760	-10	47 549
55	3271	-15	61 030
50	3893	-20	78 930
45	4656	-25	102 890
40	5594	-30	135 233
35	6754	-40	239 831
30	8197	-50	441 667



Technical data

Sensor	10 k Ω NTC element
Measuring range	-50...+50 °C
Accuracy	±0.25 °C (at 25 °C)
Cable gland	M16
Housing	weather-proof plastic
Protection class	IP54, cable gland downwards
Mounting	with Ø 4.5 mm screws, hole distance 82 mm

Ordering guide:

Model	Product number	Description
TEU NTC 10-AN	117H090	outdoor temperature sensor, 10 k 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).