

OUTDOOR TEMPERATURE SENSOR TEU NTC 10-C

TEU NTC 10-C 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	597	25	10 000
100	973	20	12 090
90	1266	15	14 690
80	1668	10	17 960
75	1924	5	22 050
70	2228	0	27 280
65	2588	-5	33 900
60	3020	-10	42 470
55	3536	-15	53 410
50	4160	-20	67 770
45	4911	-25	86 430
40	5827	-30	111 300
35	6940	-40	-
30	8313	-50	-



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 \varnothing 4.5 mm screws, hole distance 82 mm

Ordering guide:

Model	Product number	Description
TEU NTC 10-C	117M090	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).