

OUTDOOR TEMPERATURE SENSOR TEU KP 10

TEU KP 10 temperature sensor is designed for automatic HVAC systems to detect outdoor temperature.

Temperature is detected by a KP 10 sensor element with a nominal output of 2.73 V at 0 °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 means of screws through the lugs on the bottom.

Sensor voltage at different temperatures:

°C	V	°C	V
120	3.93	25	2.98
100	3.73	20	2.93
90	3.63	15	2.88
80	3.53	10	2.83
75	3.48	5	2.78
70	3.43	0	2.73
65	3.38	-5	2.68
60	3.33	-10	2.63
55	3.28	-15	2.58
50	3.23	-20	2.53
45	3.18	-25	2.48
40	3.13	-30	2.43
35	3.08	-40	2.33
30	3.03	-50	2.23



Technical data

sensor	KP 10, 2.73 V at 0 °C, 10 mV/K
housing	Plastic (< 120 °C)
protection class	IP54, cable entry down
cable entry	M16
range	-50...50 °C
accuracy	±0.5 °C at 0 °C
mounting	Ø 4.5 mm screws, hole distance 82 mm

Ordering guide:

Model	Product number	Description
TEU KP 10	117J090	outdoor temperature sensor, KP 10 element

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).