

TEL NTC1.8 FLOOR HEATING TEMPERATURE SENSOR

TEL NTC 1.8 temperature sensor is designed for automatic HVAC systems for measuring floor temperatures.

Temperature is detected by an NTC1.8 thermistor element with a nominal resistance of 1.8 kohm / 25°C.

Use metal or plastic pipe installed into the floor construction for mechanical protection. Water inside the protection pipe destroys the sensor.



Technical data:

Sensor	1.8 kohm NTC thermistor
Cable	∅ 5 mm x 3 m, LIYY 2x0,5 PVC isolated
Temperature range	-30...70 °C
Accuracy	± 0.3 °C (at 25°C)

Temperature/Resistance:

°C	NTC 1.8 / Ω	°C	NTC 1.8 / Ω
120	110	25	1800
100	178	20	2177
90	230	15	2649
80	303	10	3241
75	349	5	3989
70	403	0	4940
65	468	-5	6159
60	545	-10	7730
55	638	-15	9771
50	750	-20	12443
45	885	-25	15969
40	1042	-30	20659
35	1250	-40	35480
30	1496	-50	63229

Ordering guide:

Model	Product number	Description
TEL NTC1.8	117E280	floor temperature sensor 1.8 kohm / 25°C

Products fulfil the requirements of directive 2004/108/EY and are in accordance with the standards EN61000-6-3: 2001 (Emission) and EN61000-6-2: 2001 (Immunity).

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