

TEL NTC 2.2 FLOOR HEATING TEMPERATURE SENSOR

TEL NTC 2.2 temperature sensor is designed for automatic HVAC systems for measuring floor temperatures.

Temperature is detected by an NTC element with a nominal resistance of 2,2 k Ω at 25 °C.

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

Sensor resistance at different temperatures

°C	Ω	°C	Ω
120	90	25	2252
100	153	20	2813
90	207	15	3538
80	283	10	4482
75	334	5	5718
70	395	0	7353
65	469	-5	9533
60	560	-10	12 460
55	673	-15	16 428
50	811	-20	21 860
45	984	-25	29 398
40	1200	-30	39 908
35	1471	-40	75 953
30	1814	-50	151 470



Technical data:

sensor	2,2 k Ω NTC thermistor
cable	Ø 5 mm x 3 m, LIYY 2x0,5 PVC isolated
temperature range	-30...80 °C
accuracy	±0,25 °C (at 25 °C)
sleeve	Ø 7 mm
protection class	IP54

Ordering guide:

Model	Product number	Description
TEL NTC 2.2	1172280	floor temperature sensor 2,2 k Ω / 25 °C

Products fulfil the requirements of directive 2014/30/EU and are in accordance with the standards EN61000-6-3 (Emission) and EN61000-6-2 (Immunity).