

ROOM TEMPERATURE SENSOR TEHR NTC 1.8

TEHR NTC 1.8 sensor is made for temperature detection for automatic HVAC systems.

Temperature is detected by an NTC element with a nominal resistance of 1.8 k Ω at 25 °C.

Sensor resistance at different temperatures:

°C	Ω	°C	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	12 443
45	885	-25	15 969
40	1049	-30	20 659
35	1250	-40	35 480
30	1496	-50	63 229



Technical data:

Sensor	NTC 1.8, 1.8 k Ω at 25 °C
Range	0...+50 °C
Accuracy	± 0.3 °C at 25 °C
Housing	ABS plastic, IP20
Mounting	on the wall or on the standard flush mounting box (60 mm hole distance)
Dimension (w x h x d)	86 x 85 x 30 mm

Ordering guide:

Model	Product number	Description
TEHR NTC 1.8	117E190	room temperature sensor, NTC 1.8 k Ω element
Options:		
TEHR-S	1170080	push button (no / nc) 24 Vac/dc
TEHR-S5	1170090	5-position switch
TEHR-L	1170100	LED-lamp (24 V)
TEHR-N	1171140	display

Products fulfill 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).