

ROOM TEMPERATURE SENSOR TEHR NTC 1.8-P

Remote control unit TEHR NTC 1.8-P is made for detecting and controlling of the room temperature.

The sensor of the unit is connected to the sensor input of the controller and the set point is adjusted by the potentiometer for desired temperature.

The proper potentiometer (1...10 k Ω), resistors and possible accessories are to be specified on order.

Sensor resistance at different temperatures:

$^{\circ}\text{C}$	Ω	$^{\circ}\text{C}$	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 $^{\circ}\text{C}$
range	0...+50 $^{\circ}\text{C}$
accuracy	± 0.3 $^{\circ}\text{C}$ at 25 $^{\circ}\text{C}$
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

Connection:

1	sensor
2	sensor
3	not in use
4	potentiometer -
5	potentiometer (output)
6	potentiometer +

Ordering guide:

Model	Product number	Description
TEHR NTC 1.8-P	117E230	room temperature sensor, NTC 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).