

ROOM TEMPERATURE SENSOR TEHR NTC 2.2-P

Remote control unit TEHR NTC 2.2-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	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	NTC 2.2, 2.2 k Ω at 25 $^{\circ}\text{C}$
range	0...+50 $^{\circ}\text{C}$
accuracy	± 0.25 $^{\circ}\text{C}$ 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 2.2-P	1172230	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).