

ROOM TEMPERATURE SENSOR TEHR NI 1000-P

Remote control unit TEHR NI 1000-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...10k 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	1760	25	1141
100	1618	20	1112
90	1549	15	1084
80	1483	10	1056
75	1450	5	1028
70	1417	0	1000
65	1385	-5	973
60	1353	-10	946
55	1322	-15	919
50	1291	-20	893
45	1260	-25	867
40	1230	-30	842
35	1200	-40	791
30	1171	-50	743



Technical data:

sensor	Ni 1000, 1 k Ω at 0 $^{\circ}\text{C}$
range	0...+50 $^{\circ}\text{C}$
accuracy	± 0.4 $^{\circ}\text{C}$ at 0 $^{\circ}\text{C}$
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 NI 1000-P	117C230	room temperature sensor, Ni 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).