

ROOM TEMPERATURE SENSOR TEHR NTC 10-AN-P

Remote control unit TEHR NTC-10-AN-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	483	25	10 000
100	817	20	12 268
90	1084	15	15 136
80	1458	10	18 787
75	1700	5	23 462
70	1990	0	29 490
65	2339	-5	37 316
60	2760	-10	47 549
55	3271	-15	61 030
50	3893	-20	78 930
45	4656	-25	102 890
40	5594	-30	135 233
35	6754	-40	239 831
30	8197	-50	441 667



Technical data:

sensor	NTC 10-AN, 10 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 10-AN-P	117H230	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).