

ROOM TEMPERATURE SENSOR TEHR NTC 10-C

TEHR NTC 10-C room temperature sensors are designed for temperature detection of indoor spaces.

Temperature is detected by a NTC sensor element with a nominal resistance of 10 k Ω at 25 °C.

Sensor resistance at different temperatures:

°C	Ω	°C	Ω
120	597	25	10 000
100	973	20	12 090
90	1266	15	14 690
80	1668	10	17 960
75	1924	5	22 050
70	2228	0	27 280
65	2588	-5	33 900
60	3020	-10	42 470
55	3536	-15	53 410
50	4160	-20	67 770
45	4911	-25	86 430
40	5827	-30	111 300
35	6940	-40	-
30	8313	-50	-



Technical data:

sensor	NTC 10-C, 10 k Ω at 25 °C
range	0...+50 °C
accuracy	\pm 0.25 °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 10-C	117M190	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).