

ROOM TEMPERATURE SENSOR TEHR KP 10

TEHR KP 10 sensor is made for temperature detection in automatic ventilation systems.

Temperature is detected by a KP sensor element with a nominal voltage of 2.73 V at 0 °C.

Sensor voltages at different temperatures:

°C	V	°C	V
120	3.93	25	2.98
100	3.73	20	2.93
90	3.63	15	2.88
80	3.53	10	2.83
75	3.48	5	2.78
70	3.43	0	2.73
65	3.38	-5	2.68
60	3.33	-10	2.63
55	3.28	-15	2.58
50	3.23	-20	2.53
45	3.18	-25	2.48
40	3.13	-30	2.43
35	3.08	-40	2.33
30	3.03	-50	2.23



Technical data:

sensor	LM335Z, 2.73 V at 0 °C / 10 mV/K
range	0...50 °C
accuracy	±0.5 °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 KP 10	117J190	room temperature sensor, KP 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).