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DATA SHEET

TEHR

Produal

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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).

Information is subject to change without prior notice.