



RF/E

Room Temperature Sensor

Measuring size: temperature

Output: passive sensor

Highlights: modern housing design, mounting on-wall or on junction box



Description

The RF/E indoor sensor in modern housing design measures the temperature in the range of -30 up to +60°C in gasiform medium and is with all current sensors available. The temperature probe can be mounted directly on-wall or onto a junction box by 2 fixing screws. The extra wide ventilation slots ensures a good air circulation for a high accuracy of measurement.

Technical Specifications

Measurement range temp.	-30...+60°C
Sensor	Pt100, Pt500, Pt1000, Ni1000, KTY, NTC, LM235Z (other on request)
Circuit type	2-wire connection
Measurement current	approx. 1 mA
Electrical connection	screw terminals max. 1,5 mm ²
Leakage resistance	> 100 MOhm, at +20°C (500 V DC)
Housing	ABS polyman, colour signal white like RAL 9003 or deep black like RAL 9005
Cable gland	on the back or housing side (predetermined breaking point)
Dimensions	Housing: L 82 x W 82 x H 25 mm
Protection type	IP30
Protection class	III
Storage temperature	-20...+50°C
Installation	on-wall or on flush-mounted box
Approvals	CE, EAC, RoHS



Variants

Article Number	
Sensor	Colour
RF/E-10	
Pt100 (DIN EN 60751 Cl. B)	signal white
RF/E-10-BK	
Pt100 (DIN EN 60751 Cl. B)	deep black
RF/E-20	
Pt1000 (DIN EN 60751 Cl. B)	signal white
RF/E-20-BK	
Pt1000 (DIN EN 60751 Cl. B)	deep black
RF/E-30	
Ni1000 (whirl-sintered)	signal white
RF/E-30-BK	
Ni1000 (whirl-sintered)	deep black
RF/E-37	
Ni1000TK5000 (thin film)	signal white
RF/E-40	
Ni1000TK5000 (whirl-sintered)	signal white
RF/E-40-BK	
Ni1000TK5000 (whirl-sintered)	deep black
RF/E-50	
NTC1,8k ($\pm 1\%$)	signal white
RF/E-50-BK	
NTC1,8k ($\pm 1\%$)	deep black
RF/E-60	
LM235Z ($\pm 1\%$)	signal white
RF/E-60-BK	
LM235Z ($\pm 1\%$)	deep black
RF/E-70	
NTC20k ($\pm 1\%$)	signal white
RF/E-70-BK	
NTC20k ($\pm 1\%$)	deep black
RF/E-80	
NTC10k ($\pm 1\%$)	signal white



Article Number	
Sensor	Colour
RF/E-80-BK	
NTC10k ($\pm 1\%$)	deep black
RF/E-81	
KTY 81-110 ($\pm 1\%$)	signal white
RF/E-81-BK	
KTY 81-110 ($\pm 1\%$)	deep black
RF/E-82	
KTY 81-121 ($\pm 1\%$)	signal white
RF/E-82-BK	
KTY 81-121 ($\pm 1\%$)	deep black
RF/E-83	
KTY 81-210 (KTY 10-6) ($\pm 1\%$)	signal white
RF/E-83-BK	
KTY 81-210 (KTY 10-6) ($\pm 1\%$)	deep black

Accessories



DT/G
Digital display



SZ/E
Accessories



FS9510
Table stand for room housing



Dimensional Drawing

