



## 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 <sup>2</sup>
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

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



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

## Accessories



DT/G  
Digital display



HR/G  
Digital controller for DIN rail with change-over contact



SZ/E  
Accessories



## Accessories

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FS9510

Table stand for room housing



Dimensional Drawing

