

Room temperature sensor PTF/RF – surface installation

With or without control elements



Technical data		Application
Sensors:	see tables other sensors available on request	Measuring of temperatures, set value adjustment, presence reporting, control unit with control elements (with/without sensor), for use in living spaces or business rooms. Please pay regard to the EMC directives. Avoid parallel laying of sensor line and mains supply cables or use shielded lines. The installation and wiring of the lower section can be carried out separately on the surface or on a 60 mm switch box using box mounting screws. The electrical connection is realised by means of terminal screws. Range suppression possible (facility located underneath of the adjusting knob).
Tolerance classes:	PT100/PT1000 DIN EN 60751 B Ni 1000 DIN EN 43760 B	
Ambient temperature:	-10...+50°C	
Housing:	plastic	
Colour:	pure white, similar to RAL 9010	
Control elements:	black or white	
LED:	standard: green and red, on request also available in yellow	
Protection class:	III	
Degree of protection:	IP 30	
Potentiometer:	5 k Ω (standard), other potentiometers available on request	
LED connection:	max. 24 V~/=	
Connecting cable:	0.14 up to 1.5 mm ² , NTC up to 50 m PTC up to 100 m	
Connection:	to safety extra low voltage only, max. 30 V~/42 V=	
Control elements:	key-button , 35 mA rocker switch , 2 or 3 positions, 1 A, middle position unconnected rotary switch , 4 positions, 130 mA, neutral position unconnected	
Sensor characteristics:	Page 162 – 163	

Accessory	PG
As for adapter plate PAP01-14, see pages 159 – 160	K
Optional	
PT-100 class A	S
PT-100 1/3 DIN	S
PT-100 1/10 DIN	S
PT-1000 1/3 DIN	S

