S+S REGELTECHNIK

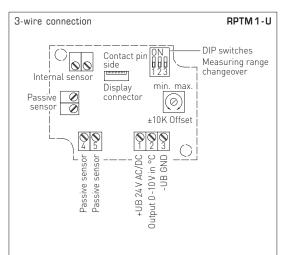
Pendulum room temperature measuring transducers, calibratable, with multi-range switching and active output

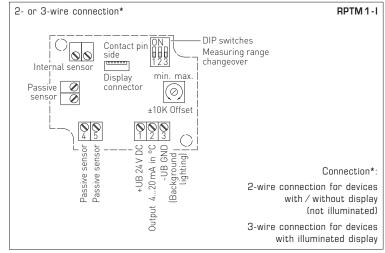
Calibratable resistance thermometer ${\bf THERM}{\sf ASGARD}^{\it (B)}$ ${\bf RPTM}$ 1 with eight switchable measuring ranges, continuous output, terminal box enclosure made of impact-resistant plastic and enclosure cover with quick-locking screws, with or without optional display (for displaying actual temperature). This room pendulum sensor is specifically designed for temperature detection in larger rooms and halls. Due to the measuring method employed by this pendulum room temperature sensor in combination with its positioning in the room, an excellent measuring result that is representative of the room is achieved as ambient air of the room is circulating evenly around the sensor. These temperature transmitters are factory-calibrated. Adjustment / fine adjustment by the user is possible (zero point offset is adjustable).

TECHNICAL DATA			
Power supply:	$24V$ AC $/$ DC (± 10 %) for U variant 1536 V DC for I variant, depending on working resistance, residual ripple stabilised $\pm0.3V$		
Working resistance:	R_a (ohm) = (U_b -14 V) / 0.02 A for I variant		
Load resistance:	$R_L > 5 kOhm$ for U variant		
Power consumption:	< 1.0 VA / 24 V DC; < 2.2 VA / 24 V AC		
Sensor:	Pt1000, DIN EN 60751, class B		
Sensor protection:	plastic sinter filter, Ø 16 mm, $L = 35$ mm, exchangeable (optional metal sinter filter, Ø 16 mm, $L = 32$ mm)		
Measuring ranges:	multi-range switching with 8 switchable measuring ranges, 5 measuring ranges usable, see table (other ranges optional) T_{min} -50°C, T_{max} +80°C with manual zero point correction (±10K)		
Deviation, temperature:	±0.2 K at +25 °C		
Output:	O-10V or 420mA		
Ambient temperature:	measuring transducer −5+60 °C		
Connection type:	2- or 3-wire connection		
Protective tube:	metal, $\emptyset = 16 \text{mm}$, L = 142 mm		
Sensor cable:	PVC; LiYY, 1.5 m (other lengths optional: e.g. 3 m, 6 m)		
Enclosure:	plastic, material polyamide, 30 % glass-globe-reinforced, with quick-locking screws, (slotted / Phillips head combination), colour traffic white (similar to RAL 9016), enclosure cover for display is transparent!		
Enclosure dimensions:	72 x 64 x 37.8mm (Tyr 1 without display) 72 x 64 x 43.3mm (Tyr 1 with display)		
Cable gland:	M16x1.5, including strain relief, exchangeable, max. inner diameter 10.4 mm		
Electrical connection:	0.14 -1.5 mm², via terminal screws		
Humidity:	<95% r.H., non-precipitating air		
Protection class:	III (according to EN 60 730)		
Protection type:	IP 65 (according to EN 60529)		
Standards:	CE conformity, electromagnetic compatibility according to EN 61326, according to EMC directive 2014 / 30 / EU		
Optional:	Two-line display with illumination, cutout approx. $36 \times 15 \text{mm}$ (W x H), for displaying the ACTUAL temperature and the internal diagnostics (measuring range exceeded, measuring range not reached, sensor breakage, sensor short circuit)		



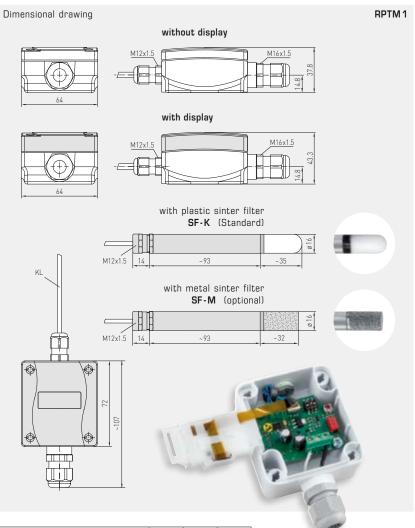








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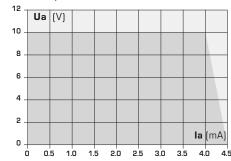




Measuring ranges (adjustable)	DIP 1	DIP 2	DIP 3
−20+150°C	ON	ON	ON
−50 +50°C	OFF	ON	ON
−20 +80°C	ON	OFF	ON
−30 +60°C	OFF	OFF	ON
0 +40°C	ON	ON	OFF
0 +50°C	OFF	ON	OFF
0+100°C	ON	OFF	OFF
0+150°C	OFF	OFF	OFF

(observe max. permissible temperature ranges!)

Dependency of output voltage on output current



Type / WG01	Sensor	Output	Туре	Item No.	Price
RPTM 1-I				IP65, I-variant	
RPTM1-I	Pt1000	420 mA	Remote sensor	1101-1162-0219-910	123,49 €
RPTM 1 - U				IP65, U-variant	
RPTM1-U	Pt1000	0 - 10 V	Remote sensor	1101-1161-0219-910	123,49 €
Extra charge:	Other ranges (Two-line displa	optional y with illumination		21,42 € 42,02 €	
	2-wire connect	ting leads, per running	on request		

Accessories SF-M **Metal** sinter filter, \emptyset 16 mm, L = 32 mm, exchangeable, 7000-0050-2200-100 35,70 € stainless steel (VA 1.4404)