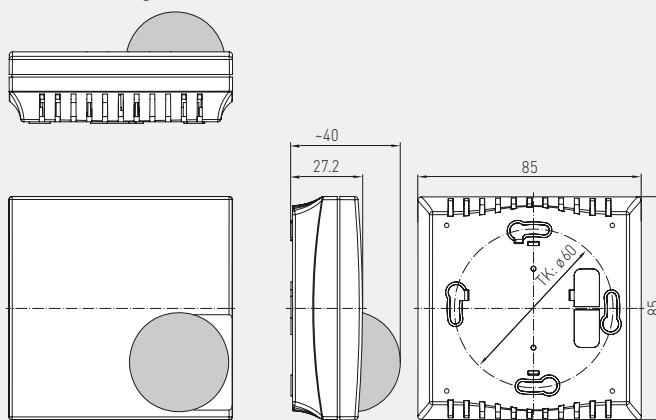
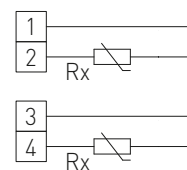
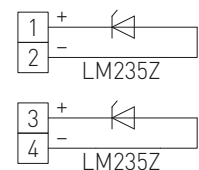
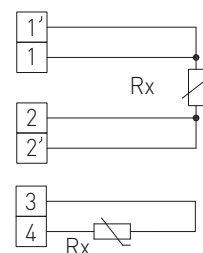
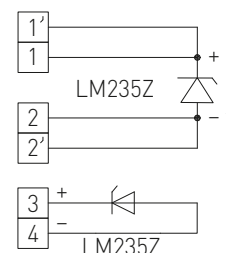


Resistance thermometer **RSTF** with passive output in an elegant enclosure made of plastic, with snap-on lid, base with 4-hole attachment for installation on vertically or horizontally installed in-wall flush boxes, with predetermined breaking point for on-wall cable entry, specifically used for temperature detection in larger rooms. The room radiation temperature sensor RSTF determines the effective portion of active radiation or the effective radiant heat at the measured location. Due to the measuring method employed by the dark radiation temperature sensor, an excellent and room-representative measuring result is achieved. In addition there is an independent passive output available to determine the reference temperature.


**TECHNICAL DATA**

Measuring range:	-30...+75 °C
Sensors / output:	see table, passive (optional also with two sensors)
Connection type:	2-wire connection (4-wire connection optional)
Testing current:	approx. 1 mA
Insulating resistance:	≥ 100 MΩ, at +20 °C (500 V DC)
Process connection:	by screws
Enclosure:	plastic, material ABS Enclosure: pure white (similar to RAL 9010), Semi-globe: black
Dimensions:	85 x 85 x 27 (40) mm (BalduR 1)
Electrical connection:	0.14 - 1.5 mm <sup>2</sup> , via terminal screws on circuit board
Humidity:	< 95% r. H.
Protection class:	III (according to EN 60 730)
Protection type:	IP 30 (according to EN 60 529)

Dimensional drawing

**RSTF**

**1x two-wire connection  
standard**

**1x two-wire connection  
LM235Z (KP10)**

**1x four-wire connection  
(optional)**

**1x four-wire connection  
(optional)**

**RSTF – Room radiation temperature sensors**

Type / WG03	Sensor / Output
<b>RSTF</b>	<b>Pt, Ni, LM235Z</b>
RSTF PT100	Pt100 (according to DIN EN 60 751, B)
RSTF PT1000	Pt1000 (according to DIN EN 60 751, class B)
RSTF Ni1000	Ni1000 (according to DIN EN 43 760, class B, TCR = 6180 ppm / K)
RSTF Ni1000TK5000	Ni1000 TK5000 (TCR = 5000 ppm / K), LG-Ni1000
RSTF LM235Z	LM235Z (TCR = 10 mV / K; 2.73 V at 0 °C), KP10
<b>RSTF</b>	<b>NTC</b>
RSTF NTC1,8K	NTC 1.8K
RSTF NTC10K	NTC 10K
RSTF NTC10KPRECON	NTC 10K Precon
RSTF NTC20K	NTC 20K