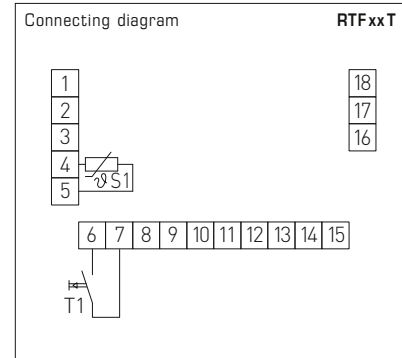




RTF xx T
(Baldur 1)
Version with sensor and
push-button (max. 24 V DC, max. 10 mA)

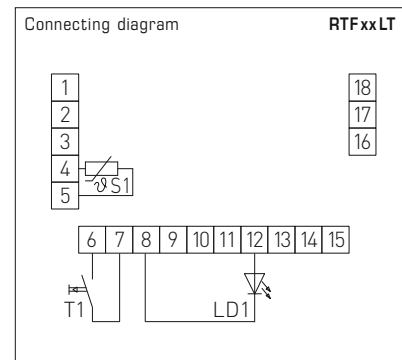


THERMASGARD® RTF xx T Room temperature sensors

Type / WG01	Sensor / Output	Item No.
RTF xx T	passive	IP30 (-30...+70 °C)
RTF PT100 T	Pt100 (according to DIN EN 60751, class B)	1101-40A0-1617-000
RTF PT1000 T	Pt1000 (according to DIN EN 60751, class B)	1101-40A0-5617-000
RTF Ni1000 T	Ni1000 (according to DIN EN 43760, class B, TCR = 6180 ppm / K)	1101-40A0-9617-000
RTF NiTK T	Ni1000 TK5000 (TCR = 5000 ppm / K), LG-Ni1000	1101-40A1-0617-000
RTF LM235Z T	LM235Z (TCR = 10 mV / K; 2.73 V at 0 °C), KP10	1101-40A2-1617-000
RTF NTC1,8K T	NTC 1.8K	1101-40A1-2617-000
RTF NTC10K T	NTC 10K	1101-40A1-5617-000
RTF PRECON T	NTC 10K Precon	1101-40A1-9617-000
RTF NTC20K T	NTC 20K	1101-40A1-6617-000
RTF KTY81-210 T	KTY 81-210	1101-40A2-0617-000



RTF xx LT
(Baldur 1)
Version with sensor, LED (green) and
push-button (max. 24 V DC, max. 10 mA)



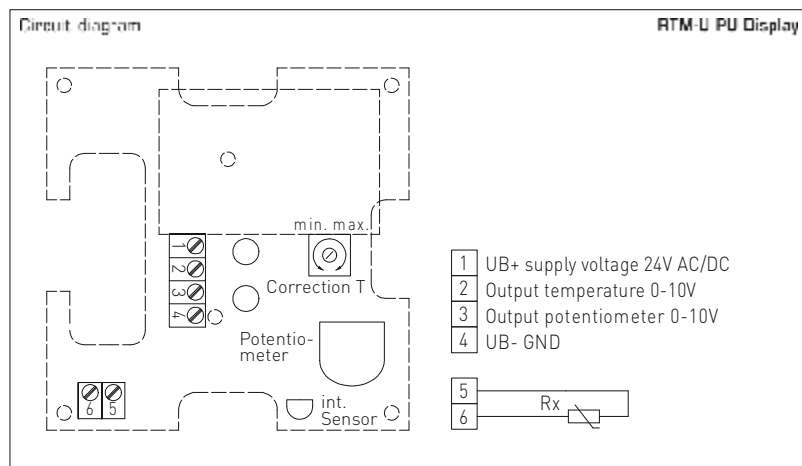
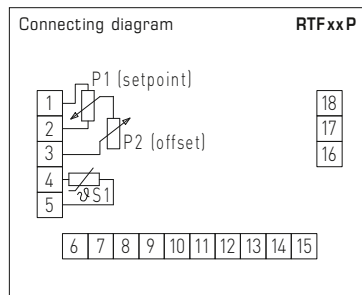
THERMASGARD® RTF xx LT Room temperature sensors

Type / WG01	Sensor / Output	Item No.
RTF xx LT	passive	IP30 (-30...+70 °C)
RTF PT100 L T	Pt100 (according to DIN EN 60751, class B)	1101-40A0-1593-002
RTF PT1000 L T	Pt1000 (according to DIN EN 60751, class B)	1101-40A0-5593-002
RTF Ni1000 L T	Ni1000 (according to DIN EN 43760, class B, TCR = 6180 ppm / K)	1101-40A0-9593-002
RTF NiTK L T	Ni1000 TK5000 (TCR = 5000 ppm / K), LG-Ni1000	1101-40A1-0593-002
RTF LM235Z L T	LM235Z (TCR = 10 mV / K; 2.73 V at 0 °C), KP10	1101-40A2-1593-002
RTF NTC1,8K L T	NTC 1.8K	1101-40A1-2593-002
RTF NTC10K L T	NTC 10K	1101-40A1-5593-002
RTF PRECON L T	NTC 10K Precon	1101-40A1-9593-002
RTF NTC20K L T	NTC 20K	1101-40A1-6593-002
RTF KTY81-210 L T	KTY 81-210	1101-40A2-0593-002

Room temperature sensors and measuring transducers,
on-wall, different versions



RTF xx P
RTF xx PU
RTM-U PU
(Balduur 1)
Version with sensor and
potentiometer (1 kOhm, max. 0.1 W)



THERMASGARD® RTF xx P Room temperature sensors

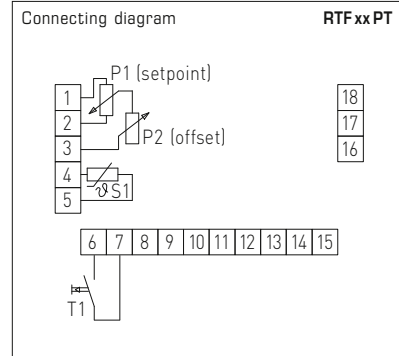
Type / WG01	Sensor / Output	Display	Item No.
RTF xx P	passive	IP30	(-30...+70 °C)
RTF PT100 P	Pt100 (according to DIN EN 60751, class B)		1101-40A0-1001-345
RTF PT1000 P	Pt1000 (according to DIN EN 60751, class B)		1101-40A0-5001-345
RTF Ni1000 P	Ni1000 (according to DIN EN 43760, class B, TCR = 6180 ppm / K)		1101-40A0-9001-345
RTF NiTK P	Ni1000 TK5000 (TCR = 5000 ppm / K), LG- Ni1000		1101-40A1-0001-345
RTF LM235Z P	LM235Z (TCR = 10 mV / K; 2.73V at 0 °C), KP10		1101-40A2-1001-345
RTF NTC1,8K P	NTC 1.8K		1101-40A1-2001-345
RTF NTC10K P	NTC 10K		1101-40A1-5001-345
RTF PRECON P	NTC 10K Precon		1101-40A1-9001-345
RTF NTC20K P	NTC 20K		1101-40A1-6001-345
RTF KTY81-210 P	KTY 81-210		1101-40A2-0001-345
RTF xx P U	passive / active	IP30	(0...+50 °C)
RTF PT1000 PU	Pt1000 / 0- 10V (potentiometer)*		1101-40A0-5004-345
RTF PT1000 PU	Pt1000 / 0- 10V (potentiometer, central position)*		1101-40A0-5004-642
RTF PT1000 PU	Pt1000 / 0- 10V (potentiometer, marking points)*		1101-40A0-5004-050
RTM PU	aktive	IP30	(0...+50 °C)
RTM-U PU	0- 10V (temperature and potentiometer)*		1101-41A1-0004-346
RTM-U PU DISPLAY	0- 10V (temperature and potentiometer)*	■	1101-41A1-1004-346

For special orders please specify: **Ohm rating** of potentiometer (standard is 1kOhm; optional 100 Ohm, 2.5kOhm, 5kOhm, 10kOhm, 0-10V), **type of swelling arrow*** (standard = wedge-shaped, optional with central position or marking points) and differing specific **wiring requests**



RTF xxPT
(Balduur 1)

Version with sensor,
potentiometer (1 kOhm, max. 0.1 W) and
push-button (max. 24 V DC, max. 10 mA)



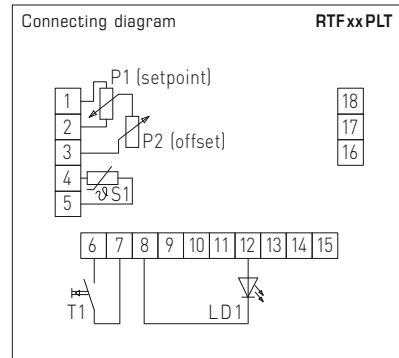
THERMASGARD® RTF xx PT Room temperature sensors

Type / WG01	Sensor / Output	Item No.
RTF xx PT	passive	IP30 (-30...+70 °C)
RTF PT100 P T	Pt100 (according to DIN EN 60751, class B)	1101-40A0-1021-345
RTF PT1000 P T	Pt1000 (according to DIN EN 60751, class B)	1101-40A0-5021-345
RTF Ni1000 P T	Ni1000 (according to DIN EN 43760, class B, TCR = 6180 ppm / K)	1101-40A0-9021-345
RTF NiTK P T	Ni1000 TK5000 (TCR = 5000 ppm / K), LG- Ni1000	1101-40A1-0021-345
RTF LM235Z P T	LM235Z (TCR = 10 mV / K; 2.73 V at 0 °C), KP10	1101-40A2-1021-345
RTF NTC1,8K P T	NTC 1.8K	1101-40A1-2021-345
RTF NTC10K P T	NTC 10K	1101-40A1-5021-345
RTF PRECON P T	NTC 10K Precon	1101-40A1-9021-345
RTF NTC20K P T	NTC 20K	1101-40A1-6021-345
RTF KTY81-210 P T	KTY 81-210	1101-40A2-0021-345
RTF xx PUT	passive / active	IP30 (0...+50 °C)
RTF PT1000 PU T	Pt1000 / 0 - 10 V (potentiometer)	1101-40B0-5033-345



RTF xxPLT
(Balduur 1)

Version with sensor,
potentiometer (1 kOhm, max. 0.1 W),
LED (green) and
push-button (max. 24 V DC, max. 10 mA)



THERMASGARD® RTF xx PLT Room temperature sensors

Type / WG01	Sensor / Output	Item No.
RTF xx PLT	passive	IP30 (-30...+70 °C)
RTF PT100 P L T	Pt100 (according to DIN EN 60751, class B)	1101-40A0-1663-347
RTF PT1000 P L T	Pt1000 (according to DIN EN 60751, class B)	1101-40A0-5663-347
RTF Ni1000 P L T	Ni1000 (according to DIN EN 43760, class B, TCR = 6180 ppm / K)	1101-40A0-9663-347
RTF NiTK P L T	Ni1000 TK5000 (TCR = 5000 ppm / K), LG- Ni1000	1101-40A1-0663-347
RTF LM235Z P L T	LM235Z (TCR = 10 mV / K; 2.73 V at 0 °C), KP10	1101-40A2-1663-347
RTF NTC1,8K P L T	NTC 1.8K	1101-40A1-2663-347
RTF NTC10K P L T	NTC 10K	1101-40A1-5663-347
RTF PRECON P L T	NTC 10K Precon	1101-40A1-9663-347
RTF NTC20K P L T	NTC 20K	1101-40A1-6663-347
RTF KTY81-210 P L T	KTY 81-210	1101-40A2-0663-347
RTF xx PULT	passive / active	IP30 (-30...+70 °C)
RTF PT1000 PU L T	Pt1000 / 0 - 10 V (potentiometer)	1101-40B0-5669-347

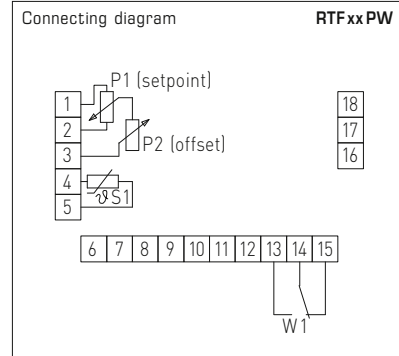


Room temperature sensors and measuring transducers, on-wall, different versions



RTF xx PW
(Balduur 1)

Version with sensor, potentiometer (1 kOhm, max. 0.1 W) and rocker switch (max. 24 V AC/DC, max. 130 mA)



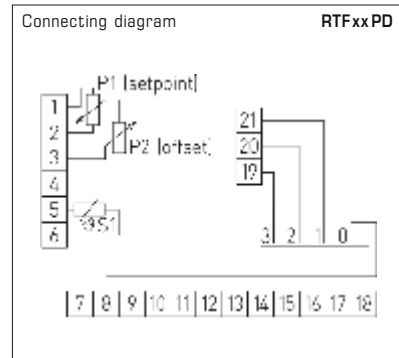
THERMASGARD® RTF xx PW Room temperature sensors

Type / WG01	Sensor / Output	Item No.
RTF xx PW	passive	IP30 (-30...+70 °C)
RTF PT100 P W	Pt100 (according to DIN EN 60 751, class B)	1101-40A0-1061-348
RTF PT1000 P W	Pt1000 (according to DIN EN 60 751, class B)	1101-40A0-5061-348
RTF Ni1000 P W	Ni1000 (according to DIN EN 43 760, class B, TCR = 6180 ppm / K)	1101-40A0-9061-348
RTF NiTK P W	Ni1000 TK5000 (TCR = 5000 ppm / K), LG- Ni1000	1101-40A1-0061-348
RTF LM235Z P W	LM235Z (TCR = 10 mV / K; 2.73 V at 0 °C), KP10	1101-40A2-1061-348
RTF NTC1,8K P W	NTC 1.8K	1101-40A1-2061-348
RTF NTC10K P W	NTC 10K	1101-40A1-5061-348
RTF PRECON P W	NTC 10K Precon	1101-40A1-9061-348
RTF NTC20K P W	NTC 20K	1101-40A1-6061-348
RTF KTY81-210 P W	KTY 81-210	1101-40A2-0061-348
RTF xx PUW	passive / active	IP30 (0...+50 °C)
RTF PT1000 PU W2	Pt1000 / 0-10V (potentiometer)	1101-40B0-5067-348



RTF xx PD
(Balduur 2)

Version with sensor, potentiometer (1 kOhm, max. 0.1 W) and and turn switch (max. 24 V AC/DC, max. 130 mA)



THERMASGARD® RTF xx PD Room temperature sensors

Type / WG01	Sensor / Output	Item No.
RTF xx PD	passive	IP30 (-30...+70 °C)
RTF PT100 P D4	Pt100 (according to DIN EN 60 751, class B)	1101-40B0-1007-349
RTF PT1000 P D4	Pt1000 (according to DIN EN 60 751, class B)	1101-40B0-5007-349
RTF Ni1000 P D4	Ni1000 (according to DIN EN 43 760, class B, TCR = 6180 ppm / K)	1101-40B0-9007-349
RTF NiTK P D4	Ni1000 TK5000 (TCR = 5000 ppm / K), LG- Ni1000	1101-40B1-0007-349
RTF LM235Z P D4	LM235Z (TCR = 10 mV / K; 2.73 V at 0 °C), KP10	1101-40B2-1007-349
RTF NTC1,8K P D4	NTC 1.8K	1101-40B1-2007-349
RTF NTC10K P D4	NTC 10K	1101-40B1-5007-349
RTF PRECON P D4	NTC 10K Precon	1101-40B1-9007-349
RTF NTC20K P D4	NTC 20K	1101-40B1-6007-349
RTF KTY81-210 P D4	KTY 81-210	1101-40B2-0007-349
RTF xx PUD	passive / active	IP30 (0... +50 °C)
RTF PT1000 PU D4	Pt1000 / 0-10V (potentiometer)	1101-40B0-5019-349



Operating elements Baldur 1	Possible combinations	1	2	3	4	5	6
Sensor 1		●	●	●	●	●	●
Sensor 2		●		●			
Sensor 3 LM235Z with calibrating pot (4-wire)		●			●	●	
Potentiometer 1 with / without series resistor		●	●	●	●		
Potentiometer 2 with calibrating pot						●	●
LED 1 (max. one LED)							
LED 2 (max. two LEDs)							
LED 3 (max. three LEDs)							
LED 4 (max. four LEDs)		●	●	●	●	●	●
Rocker switch			●	●			●
Push-button 1 (max. one button)		●		●		●	●
Push-button 2 (max. two buttons)			●	●			

Please specify in your order:

Ohm rating of potentiometer
(e. g. 100 Ohm, 1 kOhm, 2.5 kOhm, 5 kOhm, 10 kOhm)

Colour of LED
(e. g. green, red, yellow)

Printing, form of swelling arrow
(wedge-shaped or with central position, points or numerical scale)

Requested features regarding operating and/or display elements and wiring

We offer special designs on request in written form including approval drawing.

Special printing:
See last chapter "Accessories"

Sensor 3 to be used with 4-wire connection, thereby max. 3 LEDs possible.
LM235Z with calibrating pot = calibration of sensor output signal.
Satchwell switching possible with sensor 2.
Turn switches are not possible with Baldur 1!

Operating elements Baldur 2	Possible combinations	1	2	3	4	5	6	7	8	9	10
Sensor 1		●	●	●	●	●	●	●	●	●	●
Sensor 2 LM235Z with calibrating pot		●						●			
Sensor 3 with heat sink (4-wire)											
Potentiometer 1 (at bottom) with / without series resistor		●	●		●		●	●	●		●
Potentiometer 2 (at top)			●						●		
Key switch (at bottom)				●						●	
Turn switch 1 (at top) with / without series resistor					●						●
Turn switch 2 (at bottom)						●					
LED 1 (max. one LED)											
LED 2 (max. two LEDs)											
LED 3 (max. three LEDs)			●						●		
LED 4 (max. four LEDs)					●						●
LED 5 (max. five LEDs)		●	●		●		●		●		
LED 6 (max. six LEDs)						●					
Rocker switch		●	●	●	●	●	●				
Push-button 1 (max. one button)											
Push-button 2 (max. two buttons)		●	●	●		●	●				●
Push-button 3 (max. three buttons)											
Push-button 4 (max. four buttons)							●	●	●		

Sensor 3 can also be used instead of sensor 1.
LM235Z with calibrating pot = calibration of sensor output signal.
In the case cascade connections with turn switch 1, LEDs are not possible!
With the Baldur2 enclosure, only one operating element is possible at each of the positions "(at bottom)" and "(at top)"!

