

Bimetal room temperature controllers RTBSB

For surface installation – Design Berlin 2000




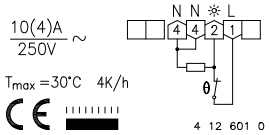

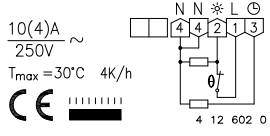

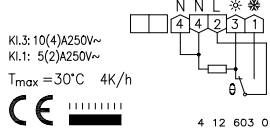

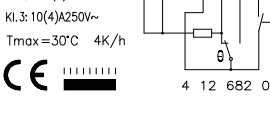

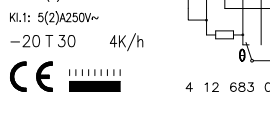

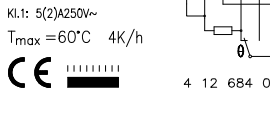
Technical data

Operating voltage:	250 V ~; 24 V ~ /50/60 Hz, see circuit diagram
Sensor:	bimetal
Switching current:	see circuit diagram
Setting ranges:	5 ... 30°C; 10 ... 60°C; -20 ... +30°C
Switching difference:	approx. 0.5 K
Temperature decrease:	approx. 4 K
Degree of protection:	IP 30
Protection class:	II, after according installation
General equipment:	thermal recirculation, mechanical range suppression
Admissible air moisture:	max. 95% r. H., non condensing
Storage temperature:	-20 ... +70 °C
Radio interference suppression:	EN 60730
Ambient temperature:	0 ... 30°C, 10 ... 60°C, -20 ... +30°C (depending on the temperature range)
Housing colour:	pure white, similar to RAL 9010
Housing material:	plastic (ABS)
Mounting/installation:	surface/wall installation (4 hole fixing on an UP box)
Weight:	approx. 90 g
Electrical connections:	terminal screws

Application


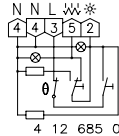

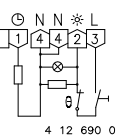

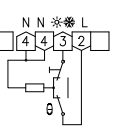

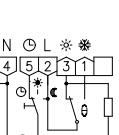

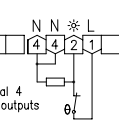

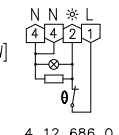

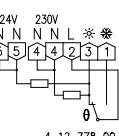

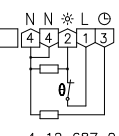

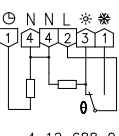
Control or supervision of temperatures in closed rooms. Suited for all types of heating systems. Valve: normally closed type. Normally open heating valves must, if existing, be connected to the cooling outlet of the changeover contact. Up to 10 valve actuators can be connected (break contact) and up to 5 actuators to the changeover contact (regarding thereto, also please pay regard to the switching capacity information in the "circuit diagram"). Specially suited for use with **switch cabinets**, see type PTR 01.082

Other climate controllers as of page 45. See also "Technical terms" (as of page 192).

Model/Picture	Item No.	Equipment	Circuit diagram	PG
	MA 010000	Break contact, 5 ... 30°C	RTBSB-001.000 10(4)A / 250V ~ Tmax = 30°C 4K/h 	A
	MA 010100	Break contact, 5 ... 30°C, temperature decrease function	RTBSB-001.002 10(4)A / 250V ~ Tmax = 30°C 4K/h 	A
	MA 010200	Changeover contact (max. 5 actuators), 5 ... 30°C	RTBSB-001.010 KI.3: 10(4)A250V~ KI.1: 5(2)A250V~ Tmax = 30°C 4K/h 	A
	MA 010900	Changeover contact (max. 5 actuators), 5 ... 30°C, ON/OFF switch, permanently operated fan	RTBSB-001.026 KI.1,2: 5(2)A250V~ KI.3: 10(4)A250V~ Tmax = 30°C 4K/h 	A
	MA 011200	Changeover contact (max. 5 actuators), -20 ... +30°C	RTBSB-001.045 KI.3: 10(4)A250V~ KI.1: 5(2)A250V~ -20 T 30 4K/h 	A
	MA 011300	Changeover contact (max. 5 actuators), 10 ... 60°C	RTBSB-001.048 KI.3: 10(4)A250V~ KI.1: 5(2)A250V~ Tmax = 60°C 4K/h 	A


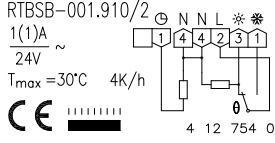

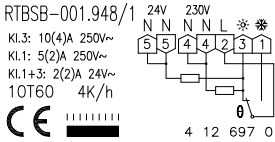
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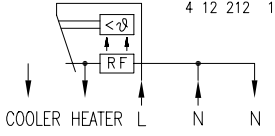
Model/Picture	Item No.	Equipment	Circuit diagram	PG
	MA 011400	Break contact, 5...30°C, ON/OFF switch, indicator lamp, switch/indicator lamp "additional heating"	<p>RTBSB-001.050 total current 10(4)A 250V ~ T_{max}=30°C 4K/h</p> 	A
	MA 012400	Break contact, 5...30°C, ON/OFF switch, temperature decrease function, heating indicator lamp	<p>RTBSB-001.062 10(4)A 250V ~ T_{max}=30°C 4K/h</p> 	A
	MA 010600	Changeover contact (max. 5 actuators), 5...30°C, heating/cooling switch Climate controller for use with 2-pipe systems, especially heat pumps	<p>RTBSB-001.065 5(2)A 250V ~ T_{max}=30°C 4K/h</p> 	A
	MA 010500	Changeover contact (max. 5 actuators), 5...30°C, triple switch "temperature decrease/heating/temperature decrease via external timer", temperature decrease mode indicator lamp	<p>RTBSB-001.075 KI.3: 10(4)A250V~ KI.1: 5(2)A250V~ T_{max}=30°C 4K/h</p> 	A
	MA 010800	Break contact, 5...30°C, numeric scale 1...6, switching capacity 3000 Watt , for use with direct electrical heating systems, such as marble heating systems and others.	<p>RTBSB-001.086 13(4)A 250V ~ T30 [max.3000W] 4K/h Do not connect the terminal 4 when controlling calorific outputs of more than 1500W!</p> 	A
	MA 012500	Break contact, 5...30°C, numeric scale 1...6, switching capacity 3000 Watt , heating indicator lamp. Suited for use with electrically operated direct-heatings, such as marble heatings and others.	<p>RTBSB-001.096 13(4)A 250V ~ [max.3000W] T_{max}=30°C 4K/h</p> 	A
	MA 012701	Changeover contact (max. 5 actuators), 5...30°C, 230 V ~ / 24 V ~	<p>RTBSB-001.110 24V 230V * 250V~ 10(4)A 24V~ 2(2)A * 250V~ 5(2)A 24V~ 2(2)A T_{max}=30°C 4K/h</p> 	A
	MA 011700	Break contact, 5...30°C, temperature decrease function, 24 V ~	<p>RTBSB-001.202 1(1)A 24V ~ T_{max}=30°C 4K/h</p> 	A
	MA 012000	Changeover contact, 5...30°C, temperature decrease function, internal setting	<p>RTBSB-001.910 KI.3: 10(4)A250V~ KI.1: 5(2)A250V~ T_{max}=30°C 4K/h</p> 	A

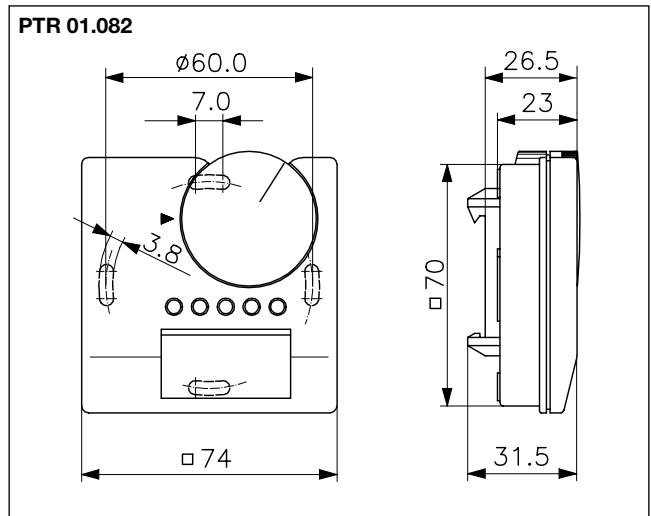
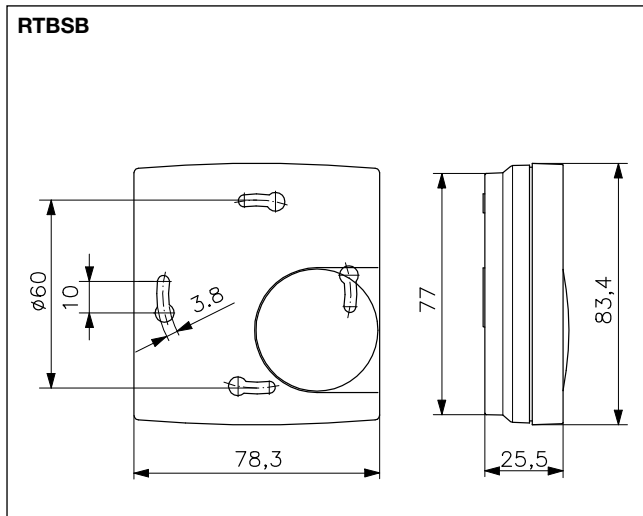
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Model/Picture	Item No.	Equipment	Circuit diagram	PG
	MA 012100	Changeover contact (max. 5 actuators), 5...30°C, temperature decrease function, internal setting 24 V~		A
	MA 012600	Changeover contact (max. 5 actuators), internal setting, 10...60°C, 230 V~/24 V~		A

Specially suited for the installation in **switch cabinets** (design Pikolo).
For the protection of electrical and electronic components against heat, cold and moisture.

Model/Picture	Item No.	Equipment	Circuit diagram	PG
	A 201302	Changeover contact, 230 V~, heating 10 (4) A, cooling 5 (2) A, 10...60°C, switching difference approx. 2 K, installation on DIN rail		A



- Larm · Styrning · Reglering
- El- och elektronikkomponenter
- Verktyg · Montagebord