

Bimetal room temperature controllers RTBSB

for "super flat" surface installation – Design Berlin 1000



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, others on request
- Switching difference:** approx. 0.5 K
- Temperature decrease:** approx. 3 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
- Housing colour:** pure white, similar to RAL 9010
- Housing material:** plastic (ABS)
- Mounting/installation:** surface/wall installation
(4 hole fixing on UP box)
- Weight:** approx. 55 g
- Electrical connections:** terminal screws

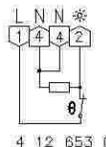
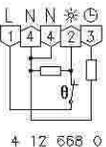
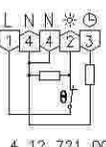
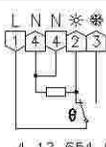
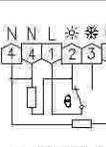
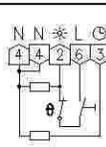
Application

Control or supervision of temperatures in closed rooms.

Valve: normally closed type. Normally open heating valves must, if existing, be connected to the cooling outlet of the changeover contact. Up to max. 10 valve actuators can be connected to the break- and up to 5 actuators to the changeover contact (regarding thereto, also please pay regard to the switching capacity information in the corresponding "circuit diagram").

The **installation** on an UP box is recommended on account of the restricted wiring space inside of the device. The controller can nevertheless be mounted on an even, non-conductible surface.

See also "Technical terms" (as of page 192).

Model/ Picture	Item No.	Equipment	Circuit diagram	PG
	MA 300000	Break contact	 RTBSB-201.000 2(1)A 250V~ T30 4K/h CE	A
	MA 300100	Break contact, temperature decrease function	 RTBSB-201.002 2(1)A 250V~ T30 4K/h CE	A
	MA 302100 	for 24 V~ Break contact, temperature decrease function	 RTBSB-201.202 2(1)A 24V~ T30 4K/h CE	A
	MA 300200	Changeover contact (max. 5 actuators)	 RTBSB-201.010 2(1)A 250V~ T30 4K/h CE	A
	MA 300700 	Changeover contact (max. 5 actuators), temperature decrease function	 RTBSB-201.012 2(1)A 250V~ T30 4K/h CE	A
	MA 300300	Break contact, temperature decrease function, ON/OFF switch	 RTBSB-201.023 2(1)A 250V~ T30 4K/h CE	A