

Datasheet RTBSB-201.002

Articlenumber: MA300100

Room thermostat, surface-mounted, super-flat, 5...30°C, 230VAC, 2(1)A, NC contact, ECO function

Electromechanical room thermostat in a super-flat surface-mounted housing (only 13.9 mm deep) for controlling or monitoring temperatures in offices, living rooms and hotels. A very precise switching differential is achieved through thermal feedback. The setting range can be changed using the range restriction located under the setting knob. The device is installed by means of surface/wall mounting (4-hole mounting on flush-mounted box). Suitable for hot water heating systems. If the ECO input is connected to 230 VAC, the temperature is regulated to approx. 3 K lower (night setback).



Ambient temperature	0 ... 30 °C
Assembly	Complete device
Bearing temperature	-20 ... 70 °C
Colour	Pure white
Connection cross-section	0,12 – 2,5 mm²
Control behaviour	2-point
Control range	5 ... 30 °C
Cooling control function	No
Design	Berlin 1000
Dimensions (W x H x D)	78 mm x 78,5 mm x 13,9 mm
ECO function (reduction)	Yes
ECO input (reduction)	230 VAC, 50 Hz
ECO temperature reduction	Approx. 3 K
Electric connection	Screw terminals
Energy efficiency class	I
External setting	Yes

Heating control function	Yes
Heating display	No
Housing material	Plastic ABS
Internal setting	No
Max. air humidity (non-condensing)	95 % r.H.
Max. power consumption	< 0,25 W
Max. switching current	2 (1) A
Max. switching voltage	230 VAC, 50 Hz
Mechanical range reduction	Yes
Medium	Air
Min. switching voltage	230 VAC, 50 Hz
Montage/Befestigung	Surface mounting
Number of control ranges	1
Number of outputs	1
Number of outputs, heating	1
Operating voltage	230 VAC, 50 Hz
Operation	Rotary knob
Output signal	Switching
Potential free switching contact	No
Protection class	II, following appropriate mounting
RAL colour number (similar)	9010
Safety and EMC	In accordance with DIN EN 60730
Scale	Degree Celsius
Schalter Ein/Aus	No
Schalter Heizen/Kühlen	No
Sensor element	Bimetal
Surface finish	Gloss
Switching contact	NC contact
Switching differential	0,5 K (delta T max. 4 K/h)
Switching element	Bimetal contact
Switching power	460 W
Test mark approval	CE

Thermal feedback

Yes

