

Data Sheet RTBSB-201.500

Article number: MA304000

Room thermostat, surface-mounted, super-flat, 5...30 °C, 230 VAC, NC contact, 2-wire connection

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. The device was developed for a 2-wire installation (operating and switching voltage input, heating output) and does not require a neutral conductor.



Number of outputs	1
Number of outputs, heating	1
Number of outputs, cooling	0
Number of control ranges	1
Heating display	No
Output signal	switching
External setting	Yes
Operation	rotary knob
Operating voltage	230 VAC, 50 Hz

Design	Berlin 1000
ECO function (reduction)	No
Electric connection	screw terminals
Energy efficiency class	I
Colour	pure white
RAL colour number (similar)	9010
Sensor element	bimetal
Internal setting	No
Bearing temperature	-20 ... 70 °C
Max. air humidity (non-condensing)	95 % r.H.
Housing material	plastic ABS
Max. power consumption	< 0,25 W
Max. switching voltage	230 VAC, 50 Hz
Max. switching current	20 mA
Mechanical range reduction	Yes
Medium	Air
Min. switching voltage	230 VAC, 50 Hz
Min. switching current	5 mA
Mounting/attachment	surface mounting
Surface finish	gloss
Test mark approval	CE
Control range	5 ... 30 °C

Heating control function	Yes
Cooling control function	No
Control behaviour	2-point
Switching differential	0,5 K (delta T max. 4 K/h)
Switching element	bimetal contact
On/Off switch	No
Heating/cooling switch	No
Switching contact	NC contact
Potential free switching contact	No
Switching power	4.6 W
Protection class	IP30
Protection class	II, following appropriate mounting
Safety and EMC	in accordance with DIN EN 60730
Scale	Index number scale *...6
Thermal feedback	Yes
Ambient temperature	0 ... 30 °C
Assembly	complete device
Dimensions (W x H x D)	78 mm x 78,5 mm x 13,9 mm

