

Data Sheet RTBSB-001.096

Article number: MA012500

Room thermostat, surface-mounted, 5...30 °C, 230 VAC, NC contact, heating display

Electromechanical room thermostat in a surface-mounted housing for controlling or monitoring temperatures in offices, living rooms and hotels. Particularly suitable for controlling high-power electric heaters. The thermal feedback achieves a very precise switching differential (do not connect terminal N for heating outputs greater than 1500 W). The device has a heating display. The setting range can be changed using the range restriction located under the setting knob.



Connection cross-section	0,12 – 2,5 mm ²
Number of outputs	1
Number of outputs, heating	1
Number of outputs, cooling	0
Number of control ranges	1
Heating display	Yes
Output signal	switching
External setting	Yes
Operation	rotary knob
Operating voltage	230 VAC, 50 Hz

Design	Berlin 2000
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	< 0,5 W
Max. switching voltage	230 VAC, 50 Hz
Max. switching current	13 (4) A
Mechanical range reduction	Yes
Medium	Air
Min. switching voltage	230 VAC, 50 Hz
Mounting/attachment	surface mounting
Surface finish	matt
Test mark approval	CE
Control range	5 ... 30 °C
Heating control function	Yes

Cooling control function	No
Control behaviour	2-point
Switching differential	1 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	3000 W
Protection class	IP30
Protection class	II, following appropriate mounting
Safety and EMC	in accordance with DIN EN 60730
Scale	Index number scale 1...6
Thermal feedback	Yes
Ambient temperature	0 ... 30 °C
Assembly	complete device
Dimensions (W x H x D)	78,3 mm x 83,4 mm x 25,5 mm



