

Datasheet RTBSB-001.910

Articlenumber: MA012000

Room thermostat, surface-mounted, 5...30°C, 230VAC, changeover contact, ECO function, indoor setting

Electromechanical room thermostat in surface-mounted housing for controlling or monitoring temperatures in offices, living rooms and hotels. Suitable for all types of heating. The controller has an internal setpoint adjustment. This makes it particularly suitable for installation in public authorities, banks, schools, kindergartens, museums and similar buildings where setpoint adjustment by unauthorized persons is to be prevented. The thermal feedback ensures a very precise switching differential. The setting range can be changed using the range restriction located under the setting knob. When the ECO terminal is connected to 230 VAC (e.g. with a clock controller or time switch), the temperature is regulated to approx. 4 K lower.



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	Yes
Design	Berlin 2000
Dimensions (W x H x D)	78,3 mm x 83,4 mm x 25,5 mm
ECO function (reduction)	Yes
ECO input (reduction)	230 VAC, 50 Hz
ECO temperature reduction	Approx. 4 K
Electric connection	Screw terminals
Energy efficiency class	I

External setting	No
Heating control function	Yes
Heating display	No
Housing material	Plastic ABS
Internal setting	Yes
Max. air humidity (non-condensing)	95 % r.H.
Max. power consumption	< 0,5 W
Max. switching current	Heating: 10 (4) A, 5 (2) A
Max. switching voltage	230 VAC, 50 Hz
Mechanical range reduction	No
Medium	Air
Min. switching voltage	230 VAC, 50 Hz
Montage/Befestigung	Surface mounting
Number of control ranges	1
Number of outputs	2
Number of outputs, cooling	1
Number of outputs, heating	1
Operating voltage	230 VAC, 50 Hz
Operation	Internal setpoint adjuster
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	Matt
Switching contact	Two-way contact
Switching differential	Heating/cooling: 0,5 K (delta T max. 4 K/h)
Switching element	Bimetal contact

Switching power

2300 W (230 VAC) / 1150 W (230 VAC)

Test mark approval

CE

Thermal feedback

Yes

