

## Datasheet RTBSB-001.910

Articlenumber: MA012000

Room thermostat, surface-mounted, 5...30...°C, 230V AC, two-way contact, ECO function, internal setting

Electro-mechanical room thermostat in surface-mounted housing for controlling and monitoring temperatures in offices, residential properties and hotels. Suitable for all types of heating. The controller has an internal setpoint adjustment. This makes it ideal for installation in administrative buildings, banks, schools, nurseries, museums and similar buildings where unauthorised people are to be prevented from adjusting the setpoint. Thermal feedback is used to obtain a very accurate switching difference. The setting range can be adjusted using the range reducer located under the adjustment knob. Connecting the ECO terminal with 230 V AC (e.g. using clock controller or time switch clock) leads to an approx. 4K lower adjusted temperature.



Actual temperature display	No
Ambient temperature, lower value	0 °C
Ambient temperature, upper value	30 °C
Assembly	Complete device
Bearing temperature, lower value	-20 °C
Bearing temperature, upper value	70 °C
Colour	Pure white
Connection cross-section	0,12 mm <sup>2</sup> bis 2,5 mm <sup>2</sup>
Control behaviour	2-point
Control range, lower value	5 °C
Control range, upper value	30 °C
Cooling control function	Yes
Depth	25,5 mm
Design	Berlin 2000
Display	No

ECO function (reduction)	Yes
ECO input (reduction)	230 V AC, 50 Hz
ECO temperature reduction	Approx. 4 K
Electric connection	Screw terminals
Electronic control	No
Energy efficiency class	I
External setting	No
Heating / cooling switch	No
Heating control function	Yes
Heating display	No
Height	83,4 mm
Housing material	Plastic ABS
Internal setting	Yes
Maximum air humidity (non-condensing)	95 % r.H
Maximum power consumption	< 0.5W
Maximum switching current	Heating 10 (4) A, cool 5 (2) A
Maximum switching voltage	230 V AC, 50 Hz
Mechanical range reduction	No
Medium	Air, not aggressive
Minimum switching voltage	230 V AC / 50 Hz
Mounting / attachment	Surface mounting
Number of control ranges	1
Number of outputs	2
Number of outputs, cooling	1
Number of outputs, heating	1
On / Off switch	No
Operating voltage	230 V AC / 50 Hz
Operation	Internal setpoint adjuster
Output signal	Switching (230 V AC, 50 Hz)
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
Sensor element	Bimetal
Sensor external	No
Surface properties	Matt
Switching contact	Two-way contact
Switching difference	Approx. 0.5 K (delta T max. 4 K/h)
Switching difference, can be adjusted	No
Switching element	Bimetal contact
Switching power	2300 W bzw. 1150 W
Temperature controller version	Room thermostat
Test mark approval	CE
Thermal feedback	Yes
Type of protection	IP30
Width	78,3 mm
With explosion protection	No

