

## Data Sheet RTBSB-001.910/2

Article number: MA012100

Room thermostat, surface-mounted, 5...30 °C, 24 VAC, changeover contact, ECO function, indoor setting

Electromechanical room thermostat in a surface-mounted housing for controlling or monitoring temperatures in offices, living rooms and hotels. 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 24 VAC (e.g. with a clock controller or time switch), the temperature is regulated to approx. 4 K lower.



Connection cross-section	0,12 – 2,5 mm <sup>2</sup>
Number of outputs	2
Number of outputs, heating	1
Number of outputs, cooling	1
Number of control ranges	1
Heating display	No
Output signal	switching
External setting	No
Operation	internal setpoint adjuster

Operating voltage	24 VAC, 50 Hz
Design	Berlin 2000
ECO input (reduction)	24 VAC, 50 Hz
ECO function (reduction)	Yes
ECO temperature reduction	approx. 4 K
Electric connection	screw terminals
Energy efficiency class	I
Colour	pure white
RAL colour number (similar)	9010
Sensor element	bimetal
Internal setting	Yes
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	24 VAC, 50 Hz
Max. switching current	1 (1) A
Mechanical range reduction	Yes
Medium	Air
Min. switching voltage	24 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	Yes
Control behaviour	2-point
Switching differential	Heating/cooling: 0,5 K (delta T max. 4 K/h)
Switching element	bimetal contact
On/Off switch	No
Heating/cooling switch	No
Switching contact	two-way contact
Potential free switching contact	No
Switching power	24 W
Protection class	IP30
Protection class	III
Safety and EMC	in accordance with DIN EN 60730
Scale	Degree Celsius
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

