

Data Sheet RTBSB-001.948/1

Article number: MA012600

Room thermostat, surface-mounted, 10...60 °C, 230 VAC or 24 VAC, changeover contact, 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. The device is suitable for an operating and switching voltage of 230 VAC or 24 VAC.



Connection cross-section	0,12 – 2,5 mm ²
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	230 VAC, 50 Hz / 24 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	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	230 VAC, 50 Hz
Max. switching current	heating: 10 (4) A, 2 (2) A, 5 (2) A, 2 (2) A
Mechanical range reduction	No
Medium	Air
Min. switching voltage	24 VAC, 50 Hz
Mounting/attachment	surface mounting
Surface finish	matt
Test mark approval	CE
Control range	10 ... 60 °C

Heating control function	Yes
Cooling control function	Yes
Control behaviour	2-point
Switching differential	Heating/cooling: 1,5 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	2300 W (230 VAC) / 48 W (24 VAC) / 1150 W (230 VAC) / 48 W (230 VAC)
Protection class	IP30
Protection class	II (following appr. mounting) and/or 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

