

Data Sheet RTBSB-201.202

Article number: MA302100

Room thermostat, surface-mounted, super-flat, 5...30 °C, 24 VAC, 2(1)A, NC contact, ECO function

Electromechanical room thermostat in a super-flat surface-mounted housing (only 13.9 mm deep) for controlling or monitoring temperatures in offices, living rooms and hotels. A very precise switching differential is achieved through thermal feedback. The setting range can be changed using the range restriction located under the setting knob. The device is installed by means of surface/wall mounting (4-hole mounting on flush-mounted box). Suitable for hot water heating systems. If the ECO input is connected to 24 VAC, the temperature is regulated to approx. 3 K lower (night setback).



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	No
Output signal	switching
External setting	Yes
Operation	rotary knob

Operating voltage	24 VAC, 50 Hz
Design	Berlin 1000
ECO input (reduction)	24 VAC, 50 Hz
ECO function (reduction)	Yes
ECO temperature reduction	approx. 3 K
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	< 0,25 W
Max. switching voltage	24 VAC, 50 Hz
Max. switching current	2 (1) A
Mechanical range reduction	Yes
Medium	Air
Min. switching voltage	24 VAC, 50 Hz
Mounting/attachment	surface mounting
Surface finish	gloss

Test mark approval	CE
Control range	5 ... 30 °C
Heating control function	Yes
Cooling control function	No
Control behaviour	2-point
Switching differential	0,5 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	48 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 mm x 78,5 mm x 13,9 mm

