

Datasheet RTBSB-001.202

Articlenumber: MA011700

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

Electromechanical room thermostat in surface-mounted housing for controlling or monitoring temperatures in offices, living rooms and hotels. Suitable for hot water heating systems. 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. 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.



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	No
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)	24 VAC, 50 Hz
ECO temperature reduction	Approx. 4 K
Electric connection	Screw terminals
Energy efficiency class	I
External setting	Yes
Heating control function	Yes

Heating display	No
Housing material	Plastic ABS
Internal setting	No
Max. air humidity (non-condensing)	95 % r.H.
Max. power consumption	< 0,5 W
Max. switching current	1 (1) A
Max. switching voltage	24 VAC, 50 Hz
Mechanical range reduction	Yes
Medium	Air
Min. switching voltage	24 VAC, 50 Hz
Montage/Befestigung	Surface mounting
Number of control ranges	1
Number of outputs	1
Number of outputs, heating	1
Operating voltage	24 VAC, 50 Hz
Operation	Rotary knob
Output signal	Switching
Potential free switching contact	No
Protection class	III
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	NC contact
Switching differential	0,5 K (delta T max. 4 K/h)
Switching element	Bimetal contact
Switching power	24 W
Test mark approval	CE

Thermal feedback

Yes

