

Datasheet RTBSB-001.500

Articlenumber: MA013401

Room thermostat, surface-mounted, 5...30...°C, 230V AC, NC contact, 2-wire connection

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. 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. The device has been developed for 2-wire installation (operating and switching current input, heating output) and does not require a neutral conductor.



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 ² bis 2,5 mm ²
Control behaviour	2-point
Control range, lower value	5 °C
Control range, upper value	30 °C
Cooling control function	No
Depth	25,5 mm
Design	Berlin 2000
Display	No
ECO function (reduction)	No
Electric connection	Screw terminals

Electronic control	No
Energy efficiency class	I
External setting	Yes
Heating / cooling switch	No
Heating control function	Yes
Heating display	No
Height	83,4 mm
Housing material	Plastic ABS
Internal setting	No
Maximum air humidity (non-condensing)	95 % r.H
Maximum power consumption	< 0.5W
Maximum switching current	1 A or 5 A (see circuit diagram)
Maximum switching voltage	230 V AC, 50 Hz
Mechanical range reduction	Yes
Medium	Air, not aggressive
Minimum switching voltage	230 V AC / 50 Hz
Mounting / attachment	Surface mounting
Number of control ranges	1
Number of outputs	1
Number of outputs, heating	1
On / Off switch	No
Operating voltage	230 V AC / 50 Hz
Operation	Rotary knob
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	Index number scale *...6
Sensor element	Bimetal
Sensor external	No

Surface properties	Matt
Switching contact	NC contact
Switching difference	Approx. 1 K (delta T max. 4 K/h)
Switching difference, can be adjusted	No
Switching element	Bimetal contact
Switching power	230 W bzw. 1150 W (see circuit diagram)
Temperature controller version	Room thermostat
Test mark approval	CE
Thermal feedback	Yes
Type of protection	IP30
Width	78,3 mm
With explosion protection	No

