

Data Sheet RTBSU-401.086#21

Article number: UA090016

Flush-mounted room thermostat, 230 VAC, NC contact, 3000W, alre frame, cover 50 x 50 mm, pure white, glossy

Electromechanical flush-mounted room thermostat for controlling or monitoring temperatures in offices, living rooms and hotels. Particularly suitable for high-power electric heating systems. The thermal feedback achieves a very precise switching differential (do not connect terminal N for heating outputs greater than 1500 W). The setting range can be changed using the range restriction located under the setting knob. Simple electrical connection without screws. New terminals for quick and easy installation. Simplified wiring thanks to color coding of the terminals. Time-saving thanks to modular design: practical assembly sequence of controller, frame and cover. Small installation volume for convenient and quick installation in the flush-mounted box. Temperature control already possible without cover. Closed design. Optimum screw mounting.



Connection cross-section	1 – 2,5 mm ² (rigid) / 0,75 – 1,5 mm ² (flex)
Number of outputs	1
Number of outputs, heating	1
Number of outputs, cooling	0
Number of control ranges	1
ECO display	No
Heating display	No
Additional heating display	No

Output signal	switching
External setting	Yes
Protective cap	Yes
Operation	rotary knob
Operating voltage	230 VAC, 50 Hz
Design	Berlin UP
ECO function (reduction)	No
Electric connection	spring push-lock 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 PA6, PC
Max. power consumption	< 0,5 W
Max. switching voltage	230 VAC, 50 Hz
Max. switching current	13 (4) A
Mechanical range reduction	Yes
Medium	Air
Min. switching voltage	230 VAC, 50 Hz

Mounting/attachment	flush mounting (deep socket recommended)
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
Reduction switch	No
Reduction / heating / external reduction switch	No
On/Off switch	No
Heating/cooling switch	No
Heating/off/cooling switch	No
Additional heating switch	No
Switching contact	NC contact
Potential free switching contact	No
Switching power	3000 W
Protection class	IP30
Protection class	II, following appropriate mounting
Safety and EMC	in accordance with DIN EN 60730
Scale	Index number scale

Thermal feedback	Yes
Ambient temperature	0 ... 30 °C
Assembly	complete device
Dimensions (W x H x D)	81 mm x 85 mm x 41,8 mm

