

## Data Sheet RTBSU-401.052#21

Article number: UA090015

Flush-mounted room thermostat, 230 VAC, NC contact, display/switch for additional heating, 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. Fits perfectly into many switch ranges without an intermediate frame. Suitable for all types of heating. The switch can be used to switch an additional heater. A red lamp indicates that additional heating has been switched on. The total current (heating + additional heating) must not exceed 10 (4) A. The total power (heating + additional heating) must not exceed 2300 W. 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. 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 <sup>2</sup> (rigid) / 0,75 – 1,5 mm <sup>2</sup> (flex)
Number of outputs	2
Number of outputs, heating	2
Number of outputs, cooling	0
Number of control ranges	1
ECO display	No
Heating display	No

Additional heating display	Yes
Output signal	switching
External setting	Yes
Protective cap	No
Operation	rotary knob and switches
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	10 (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	Yes
Switching contact	NC contact
Potential free switching contact	No
Switching power	2300 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

