

Datasheet RTBSU-401.052#21

Articlenumber: UA090015

Flush-mounted room thermostat, 230VAC, NC contact, display/switch additional heating, alre frame, cover 50x50mm, 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.



Additional heating display	Yes
Additional heating switch	Yes
Ambient temperature	0 ... 30 °C
Assembly	Complete device
Bearing temperature	-20 ... 70 °C
Colour	Pure white
Connection cross-section	1 – 2,5 mm ² (rigid) / 0,75 – 1,5 mm ² (flex)
Control behaviour	2-point
Control range	5 ... 30 °C
Cooling control function	No
Design	Berlin UP
Dimensions (W x H x D)	81 mm x 85 mm x 41,8 mm
ECO display	No

ECO function (reduction)	No
Electric connection	Spring push-lock terminals
Energy efficiency class	I
External setting	Yes
Heating control function	Yes
Heating display	No
Housing material	Plastic PA6, PC
Internal setting	No
Max. air humidity (non-condensing)	95 % r.H.
Max. power consumption	< 0,5 W
Max. switching current	10 (4) A
Max. switching voltage	230 VAC, 50 Hz
Mechanical range reduction	Yes
Medium	Air
Min. switching voltage	230 VAC, 50 Hz
Montage/Befestigung	Flush mounting (deep socket recommended)
Number of control ranges	1
Number of outputs	2
Number of outputs, heating	2
Operating voltage	230 VAC, 50 Hz
Operation	Rotary knob and switches
Output signal	Switching
Potential free switching contact	No
Protection class	II, following appropriate mounting
Protective cap	No
RAL colour number (similar)	9010
Reduction / heating / external reduction switch	No
Reduction switch	No
Safety and EMC	In accordance with DIN EN 60730
Scale	Index number scale
Schalter Ein/Aus	No

Schalter Heizen/Aus/Kühlen	No
Schalter Heizen/Kühlen	No
Sensor element	Bimetal
Surface finish	Gloss
Switching contact	NC contact
Switching differential	0,5 K (delta T max. 4 K/h)
Switching element	Bimetal contact
Switching power	2300 W
Test mark approval	CE
Thermal feedback	Yes

