

Data Sheet RTBSU-401.902#07

Article number: UA090013

Flush-mounted room thermostat, 230 VAC, NC contact, night setback, indoor setting, 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 into almost all switch ranges by means of an intermediate frame. The controller has an internal setpoint adjustment. This makes it particularly suitable for installation in public authorities, banks, schools, kindergartens, museums and similar buildings where setpoint adjustment by unauthorized persons is to be prevented. Suitable for water-bearing 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 with 230 VAC (e.g. with a clock controller or time switch), the temperature is regulated to approx. 4 K lower. 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 principle: practical sequence of installation 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	No
Protective cap	No
Operation	internal setpoint adjuster
Operating voltage	230 VAC, 50 Hz
Design	Berlin 3000
ECO input (reduction)	230 VAC, 50 Hz
ECO function (reduction)	Yes
ECO temperature reduction	approx. 4 K
Electric connection	spring push-lock terminals
Energy efficiency class	I
Colour	pure white
RAL colour number (similar)	9010
Sensor element	bimetal
Internal setting	Yes
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	No
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	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	basic device with cover
Dimensions (W x H x D)	71 mm x 71 mm x 41,8 mm

