

Datasheet RTBSU-401.902#07

Articlenumber: UA090013

Room thermostat, flush-mounted, 230V AC, NC contact, night-time reduction, internal setting, cover 50x50mm, pure white, gloss

Electro-mechanical flush-mounted room thermostat for controlling and monitoring of temperatures in offices, residential properties and hotels. Can be used in nearly all switch ranges using intermediate frames. The controller has an internal setpoint adjustment. This makes it ideal for installation in administrative buildings, banks, schools, nurseries, museums and similar buildings where unauthorised people are to be prevented from adjusting the setpoint. Suitable for water-based heating systems. 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. Connecting the ECO terminal with 24 V AC/V DC (e.g. using clock controller or time switch clock) leads to an approx. 4K lower adjusted temperature. Simple electric connection without screws. New terminals for quick and easy installation. Simplified wiring thanks to colour-coded terminals. The modular principle saves time: Controller, frame and cover are mounted in a practical order. Small installation volume for quick and easy mounting in flush-mounted socket. Temperature control possible even without cover. Closed design. Optimum screw seat.



Actual temperature display	No
Additional heating display	No
Additional heating switch	No
Ambient temperature, lower value	0 °C
Ambient temperature, upper value	30 °C
Assembly	Basic device with cover
Bearing temperature, lower value	-20 °C
Bearing temperature, upper value	70 °C
Colour	Pure white
Connection cross-section	1,0-2,5mm ² (rigid), 0,75-1,5mm ² (flex.)
Control behaviour	2-point
Control range, lower value	5 °C

Control range, upper value	30 °C
Cooling control function	No
Depth	41,8 mm
Design	Berlin 3000
Display	No
ECO display	No
ECO function (reduction)	Yes
ECO input (reduction)	230 V AC, 50 Hz
ECO temperature reduction	Approx. 4 K
Electric connection	Spring push-lock terminals
Electronic control	No
Energy efficiency class	I
External setting	No
Heating / cooling switch	No
Heating / off / cooling switch	No
Heating control function	Yes
Heating display	No
Height	71 mm
Housing material	Plastic PA6, cover PC
Internal setting	Yes
Maximum air humidity (non-condensing)	95 % r.H
Maximum power consumption	< 0.5W
Maximum switching current	10 (4) A
Maximum switching voltage	230 V AC, 50 Hz
Mechanical range reduction	No
Medium	Air, not aggressive
Minimum switching voltage	230 V AC / 50 Hz
Mounting / attachment	Flush mounting (deep socket recommended)
NEMA type of protection	Other
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	Internal setpoint adjuster
Output signal	Switching (230 V AC, 50 Hz)
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
Sensor element	Bimetal
Sensor external	No
Surface properties	Gloss
Switching contact	NC contact
Switching difference	Approx. 0.5 K (delta T max. 4 K/h)
Switching difference, can be adjusted	No
Switching element	Bimetal contact
Switching power	2300 W
Temperature controller version	Room thermostat
Test mark approval	CE
Thermal feedback	Yes
Type of protection	IP30
Type of wiring	Three-/four-wire
Width	71 mm
With explosion protection	No

