

Data Sheet RTBSU-401.202#00

Article number: UA090010

Flush-mounted room thermostat, 24 VAC/VDC, NC contact, night setback

Electromechanical flush-mounted room thermostat for controlling or monitoring temperatures in offices, living rooms and hotels. In conjunction with the corresponding cover set, suitable for all standard switch ranges. Matching cover set no. JZ-001.xxx. 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 VAC/VDC (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. The color of the lower part is anthracite and the color of the upper part corresponds to the selected cover set.



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	24 VAC, 50 Hz / 24 VDC
Design	Berlin UP
ECO input (reduction)	24 VAC, 50 Hz / 24 VDC
ECO function (reduction)	Yes
ECO temperature reduction	approx. 4 K
Electric connection	spring push-lock terminals
Energy efficiency class	I
Colour	anthracite
Sensor element	bimetal
Internal setting	No
Bearing temperature	-20 ... 70 °C
Max. air humidity (non-condensing)	95 % r.H.
Housing material	plastic PA6
Max. power consumption	< 0,5 W
Max. switching voltage	24 VAC, 50 Hz / 24 VDC
Max. switching current	1 (1) A
Mechanical range reduction	Yes

Medium	Air
Min. switching voltage	24 VAC, 50 Hz / 24 VDC
Mounting/attachment	flush mounting (deep socket recommended)
Surface finish	matt or gloss (see cover set)
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	24 W
Protection class	IP30
Protection class	III

Safety and EMC

in accordance with DIN EN 60730

Scale

Index number scale

Thermal feedback

Yes

Ambient temperature

0 ... 30 °C

Assembly

basic device

Dimensions (W x H x D)

71 mm x 71 mm x 41,8 mm

