

Datasheet RTBSU-401.062#00

Articlenumber: UA090003

Flush-mounted room thermostat, 230VAC, NC contact, heating display, on/off switch, 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-035.xxx. Suitable for all types of heating. The heating process is indicated by a lamp. The device has an ON/OFF switch. 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 230 VAC (e.g. with a clock controller or time switch), the temperature is regulated to approx. 4 K lower. VDE tested. 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 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. The color of the lower part is anthracite and the color of the upper part corresponds to the selected cover set.



Additional heating display	No
Additional heating switch	No
Ambient temperature	0 ... 30 °C
Assembly	Basic device
Bearing temperature	-20 ... 70 °C
Colour	Anthracite
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)	71 mm x 71 mm x 41,8 mm
ECO display	No

ECO function (reduction)	Yes
ECO input (reduction)	230 VAC, 50 Hz
ECO temperature reduction	Approx. 4 K
Electric connection	Spring push-lock terminals
Energy efficiency class	I
External setting	Yes
Heating control function	Yes
Heating display	Yes
Housing material	Plastic PA6
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	1
Number of outputs, heating	1
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	Yes
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	Yes
Schalter Heizen/Aus/Kühlen	No
Schalter Heizen/Kühlen	No
Sensor element	Bimetal
Surface finish	Matt or gloss (see cover set)
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, VDE
Thermal feedback	Yes

