Datasheet RTBSU-401.902#07

Articlenumber: UA090013

Flush-mounted room thermostat, 230VAC, NC contact, night setback, indoor setting, cover 50x50mm, 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.

Additional heating display	No
Additional heating switch	No
Ambient temperature	0 … 30 °C
Assembly	Basic device with cover
Bearing temperature	–20 … 70 °C
Colour	Pure white
Connection cross-section	1 – 2,5 mm² (rigid) / 0,75 – 1,5 mm² (flex)
Control behaviour	2-point
Control range	5 … 30 °C
Cooling control function	No
Design	Berlin 3000
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	No
Heating control function	Yes
Heating display	No
Housing material	Plastic PA6, PC
Internal setting	Yes
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	No
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	Internal setpoint adjuster
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