

## Datasheet RTBSU-401.210#00

Articlenumber: UA090011

Flush-mounted room thermostat, 24VAC/VDC, changeover contact

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. 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 design: 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        | 5 ... 30 °C                                                         |
| Assembly                   | Basic device                                                        |
| Bearing temperature        | -20 ... 70 °C                                                       |
| Colour                     | Anthracite                                                          |
| Connection cross-section   | 1 – 2,5 mm <sup>2</sup> (rigid) / 0,75 – 1,5 mm <sup>2</sup> (flex) |
| Control behaviour          | 2-point                                                             |
| Control range              | 5 ... 30 °C                                                         |
| Cooling control function   | Yes                                                                 |
| Design                     | Berlin UP                                                           |
| Dimensions (W x H x D)     | 71 mm x 71 mm x 41,8 mm                                             |
| ECO display                | No                                                                  |
| ECO function (reduction)   | No                                                                  |

|                                                 |                                          |
|-------------------------------------------------|------------------------------------------|
| Electric connection                             | Spring push-lock terminals               |
| Energy efficiency class                         | I                                        |
| External setting                                | Yes                                      |
| Heating control function                        | Yes                                      |
| Heating display                                 | No                                       |
| Housing material                                | Plastic PA6                              |
| Internal setting                                | No                                       |
| Max. air humidity (non-condensing)              | 95 % r.H.                                |
| Max. power consumption                          | < 0,5 W                                  |
| Max. switching current                          | 1 (1) A                                  |
| Max. switching voltage                          | 24 VAC, 50 Hz / 24 VDC                   |
| Mechanical range reduction                      | Yes                                      |
| Medium                                          | Air                                      |
| Min. switching voltage                          | 24 VAC, 50 Hz / 24 VDC                   |
| Montage/Befestigung                             | Flush mounting (deep socket recommended) |
| Number of control ranges                        | 1                                        |
| Number of outputs                               | 2                                        |
| Number of outputs, cooling                      | 1                                        |
| Number of outputs, heating                      | 1                                        |
| Operating voltage                               | 24 VAC, 50 Hz / 24 VDC                   |
| Operation                                       | Rotary knob                              |
| Output signal                                   | Switching                                |
| Potential free switching contact                | No                                       |
| Protection class                                | III                                      |
| 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                                | No                                       |
| Schalter Heizen/Aus/Kühlen                      | No                                       |
| Schalter Heizen/Kühlen                          | No                                       |

|                        |                                             |
|------------------------|---------------------------------------------|
| Sensor element         | Bimetal                                     |
| Surface finish         | Matt or gloss (see cover set)               |
| Switching contact      | Two-way contact                             |
| Switching differential | Heating/cooling: 0,5 K (delta T max. 4 K/h) |
| Switching element      | Bimetal contact                             |
| Switching power        | 24 W                                        |
| Test mark approval     | CE                                          |
| Thermal feedback       | Yes                                         |

