

## Data Sheet RTBSB-001.062

Article number: MA012400

Room thermostat, surface-mounted, 5...30 °C, 230 VAC, NC contact, ECO function, heating display, ON/OFF switch

Electromechanical room thermostat in surface-mounted housing for controlling or monitoring temperatures in offices, living rooms and hotels. Suitable for all types of heating. 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. The device has an ON/OFF switch and a heating indicator. 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.



|                            |                            |
|----------------------------|----------------------------|
| Connection cross-section   | 0,12 – 2,5 mm <sup>2</sup> |
| Number of outputs          | 1                          |
| Number of outputs, heating | 1                          |
| Number of outputs, cooling | 0                          |
| Number of control ranges   | 1                          |
| Heating display            | Yes                        |
| Output signal              | switching                  |
| External setting           | Yes                        |
| Operation                  | rotary knob and switches   |

|                                    |                  |
|------------------------------------|------------------|
| Operating voltage                  | 230 VAC, 50 Hz   |
| Design                             | Berlin 2000      |
| ECO input (reduction)              | 230 VAC, 50 Hz   |
| ECO function (reduction)           | Yes              |
| ECO temperature reduction          | approx. 4 K      |
| Electric connection                | screw terminals  |
| Energy efficiency class            | I                |
| Colour                             | pure white       |
| RAL colour number (similar)        | 9010             |
| Sensor element                     | bimetal          |
| Internal setting                   | No               |
| Bearing temperature                | -20 ... 70 °C    |
| Max. air humidity (non-condensing) | 95 % r.H.        |
| Housing material                   | plastic ABS      |
| Max. power consumption             | < 0,5 W          |
| Max. switching voltage             | 230 VAC, 50 Hz   |
| Max. switching current             | 10 (4) A         |
| Mechanical range reduction         | Yes              |
| Medium                             | Air              |
| Min. switching voltage             | 230 VAC, 50 Hz   |
| Mounting/attachment                | surface mounting |
| Surface finish                     | matt             |

|                                  |                                    |
|----------------------------------|------------------------------------|
| 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                    |
| On/Off switch                    | Yes                                |
| Heating/cooling switch           | No                                 |
| Switching contact                | NC contact                         |
| Potential free switching contact | No                                 |
| Switching power                  | 2300 W                             |
| Protection class                 | IP30                               |
| Protection class                 | II, following appropriate mounting |
| Safety and EMC                   | in accordance with DIN EN 60730    |
| Scale                            | Degree Celsius                     |
| Thermal feedback                 | Yes                                |
| Ambient temperature              | 0 ... 30 °C                        |
| Assembly                         | complete device                    |
| Dimensions (W x H x D)           | 78,3 mm x 83,4 mm x 25,5 mm        |

