

Data Sheet RTBSB-201.065

Article number: MA300500

Room thermostat, surface-mounted, super-flat, 5...30 °C, 230 VAC, 2(1)A, changeover contact, heating/cooling switch

Electromechanical room thermostat in a super-flat surface-mounted housing (only 13.9 mm deep) for controlling or monitoring temperatures in offices, living rooms and hotels. 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 is installed by means of surface/wall mounting (4-hole mounting on flush-mounted box). Suitable for 2-pipe systems, especially heat pumps. The heating/cooling changeover takes place with a switch on the device.



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|----------------------------|----------------------------|
| Connection cross-section | 0,12 – 2,5 mm ² |
| Number of outputs | 1 |
| Number of outputs, heating | 1 |
| Number of outputs, cooling | 1 |
| Number of control ranges | 1 |
| Heating display | No |
| Output signal | switching |
| External setting | Yes |
| Operation | rotary knob and switches |

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| Operating voltage | 230 VAC, 50 Hz |
| Design | Berlin 1000 |
| ECO function (reduction) | No |
| 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 | < 0,25 W |
| Max. switching voltage | 230 VAC, 50 Hz |
| Max. switching current | 2 (1) A |
| Mechanical range reduction | Yes |
| Medium | Air |
| Min. switching voltage | 230 VAC, 50 Hz |
| Mounting/attachment | surface mounting |
| Surface finish | gloss |
| Test mark approval | CE |
| Control range | 5 ... 30 °C |

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|----------------------------------|---------------------------------------------|
| Heating control function | Yes |
| Cooling control function | Yes |
| Control behaviour | 2-point |
| Switching differential | Heating/cooling: 0,5 K (delta T max. 4 K/h) |
| Switching element | bimetal contact |
| On/Off switch | No |
| Heating/cooling switch | Yes |
| Switching contact | two-way contact |
| Potential free switching contact | No |
| Switching power | 460 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 mm x 78,5 mm x 13,9 mm |

