

Typ: KTRTB-251.108



Art.-No.: MA700400

Features:

Electronic climate controller with Triac ultra-thin, AP, 5...30°C, pure white like RAL 9010, 24VAC, 15W

Application:

This controller was specifically designed for heating/cooling regulation of 2-pipe systems used in hotels, homes and offices and can control up to 5 valve actuators (normally closed).

The KTRTB's internal sensor measures the room temperature and activates heating or cooling depending on the deviation from the configured setpoint temperature. As the switching element used is a triac rather than a relay or bimetal, the system operates without bothersome switching sounds.

Technical Data:

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| Dimensions of housing: | 78 x 13,9 x 78,5 mm |
| Dimensions of packaging: | 80 x 20 x 85 mm |
| Number of outputs: | 1 |
| Number, control range: | 1 |
| Output signal: | switching PWM (24 VAC, 50 Hz) |
| External setting: | yes |
| Rated impulse voltage: | 4000 V |
| Operating mode off with frost protection monitoring: | yes |
| Operating voltage: | 24 VAC, 50 Hz |
| Design: | Berlin 1000 |
| Eco function: | yes |
| ECO contact: | optionally configurable as ECO- or OFF function |

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|-----------------------------------|--|
| setting range to: | 30 |
| setting range from: | 5 |
| Electrical connection: | Screw-type terminals 0.5 mm ² to 1.5 mm ² |
| Colour of housing: | pure white, like RAL 9010 |
| Sensor: | NTC, internal |
| Weight: | approx. 70 g |
| Heating cooling: | yes |
| Output, heating/cooling: | yes |
| Hysteresis: | 0 K, since control is practically continuous |
| Chilled ceiling: | yes |
| Storage temperature: | -20...+70 °C |
| Material of housing: | ABS plastic |
| max. power consumption: | |
| max. switching voltage: | 24 VAC, 50 Hz |
| max. switching current: | 625 mA |
| mechanical range setting: | yes |
| Medium: | Air, not aggressive |
| min. switching voltage: | 24 VAC, 50 Hz |
| Installation/fastening: | Surface-/wall-mounting (4-hole assembly on flush-mounted socket) |
| Surface quality: | glossy |
| potential-free: | no |
| Proportional range: | approx. 1 K |
| Control range up to: | 30 |
| Control range from: | 5 |
| Control function: | Heating or cooling |
| Switching element: | Triac |
| Switching contact: | Break contact |
| Switching power: | 15 W |
| Degree of protection: | IP 30 |
| Protection class: | III, protective low voltage |
| Safety and EMC: | according to DIN EN 60730 |
| Scale - degrees Celsius: | yes |
| Ambient temperature up to: | 40 |
| Ambient temperature from: | 0 |
| Degree of fouling: | 2 |
| Accessories: | suitable valve actuators: ZBOOA-040.100 |
| Permissible atmospheric humidity: | max. 95% r.h., non-condensing |

Circuit Diagram:

24V~

