

Datasheet RTKSA-204.200

Articlenumber: KA020403

Frost protection thermostat, 6m, IP40, hysteresis 1.5K, STW, internal setting

The RTKSA frost protection controllers were specially developed for air or water-side frost protection of hot water heater registers and heat exchangers in ventilation, heating or air conditioning systems. The capillaries are active along their entire length. The device responds when the minimum response length of the capillary (30 cm) reaches the set scale value. In the event of a sensor break, contact 1 – 2 is permanently open and contact 1 – 4 is permanently closed. Unlocking is no longer possible. Note: Mounting brackets, immersion sleeves and protective coils are not included in the scope of delivery and must be ordered separately. Air-side application: For the frost protection of heating registers, the capillary is clamped in front of the heating register to be protected with mounting clamps. For this, the mounting clamps JZ-05 / 6 M (metal) or JZ-05 / 6 K (plastic) are to be used.



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| Ambient temperature, upper value | 80 °C |
| Bearing temperature, lower value | -30 °C |
| Bearing temperature, upper value | 80 °C |
| Capillary length | 6 m |
| Colour | Anthr. grey (RAL7016), frontp. transp. |
| Contact interlocking | No |
| Control range, lower value | -10 °C |
| Control range, upper value | 15 °C |
| Cooling control function | Yes |
| Depth | 57,5 mm |
| Device version | Surface-mounted unit |
| Electric connection | Push-in terminal |
| Electronic control | No |
| External setting | No |

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| Function type (systems engineering) | STB |
| Heating control function | Yes |
| Height | 146,8 mm |
| Internal setting | Yes |
| Max. sensor temperature | 120 °C |
| Maximum air humidity (non-condensing) | 95 % r.H |
| Maximum switching current | O: 16 (2,5) A; S: 6,3 (2,5) A, 0,25 ADC |
| Maximum switching voltage | 230 V AC 50 / 60 Hz, 230 V DC |
| Minimum switching current | At 24 V (AC/DC) min. 100 mA |
| Minimum switching voltage | 24 V AC / 50 Hz, 24 V DC |
| Mounting / attachment | Wall mounting |
| Number of control ranges | 1 |
| Number of outputs | 2 |
| Operating voltage | None |
| Operation | Internal setpoint adjuster |
| Output signal | Switching |
| Potential free switching contact | Yes |
| Protection class | I |
| Safety and EMC | In accordance with DIN EN 60730 |
| Scale | Degree Celsius |
| Sensor element | Capillary tube |
| Sensor material | Cu |
| Switching contact | Two-way contact |
| Switching difference | 1.5 K |
| Switching difference, can be adjusted | No |
| Switching element | Microswitch |
| Type of protection | IP40 |
| Width | 53 mm |
| With explosion protection | No |

