

## Datasheet RTKSA-204.100

Articlenumber: KA020402

Frost protection thermostat, 3m, IP40, hysteresis 1.5K, STW, indoor setting

The RTKSA frost protection regulators have been specially developed for air or water-side frost protection of hot water heating coils 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 (15 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 clamps, thermowells and protective coils are not included in the scope of delivery and must be ordered separately. Air-side application: For frost protection of heating registers, the capillary is clamped in front of the heating register to be protected with mounting clamps. The JZ-05/6M (metal) or JZ-05/6 K (plastic) mounting clamps must be used for this purpose.



|                                     |                            |
|-------------------------------------|----------------------------|
| Bearing temperature                 | -30 ... 80 °C              |
| Capillary length                    | 3 m                        |
| Colour                              | Anthracite                 |
| Contact interlocking                | No                         |
| Control range                       | -10 ... 15 °C              |
| Cooling control function            | Yes                        |
| Device version                      | Surface-mounted unit       |
| Dimensions (W x H x D)              | 57,5 mm x 146,8 mm x 53 mm |
| Electric connection                 | Push-in clamp              |
| Electronic control                  | No                         |
| External setting                    | No                         |
| Function type (systems engineering) | STW                        |
| Heating control function            | Yes                        |
| Internal setting                    | Yes                        |

|                                       |                                       |
|---------------------------------------|---------------------------------------|
| Max. air humidity (non-condensing)    | 95 % r.H.                             |
| Max. Sensor temperature               | 120 °C                                |
| Max. switching current                | 16 (2,5) A, 0,25 A, 2 (0,4) A, 0,25 A |
| Max. switching voltage                | 230 VAC, 50/60 Hz / 230 VDC           |
| Min. switching current                | At 24 V (AC/DC) min. 100 mA           |
| Min. switching voltage                | 24 VAC, 50 Hz / 24 VDC                |
| Montage/Befestigung                   | Wall mounting                         |
| Number of control ranges              | 1                                     |
| Number of outputs                     | 2                                     |
| 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, can be adjusted | No                                    |
| Switching differential                | Heating/cooling: 1,5 K                |
| Switching element                     | Microswitch                           |
| With explosion protection             | No                                    |

