

Datasheet RTKSA-203.100

Articlenumber: KA020301

Frost protection thermostat, 3m, IP40, hysteresis +3K, STB, internal setting, external resetting

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 (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 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.



Ambient temperature, upper value	80 °C
Bearing temperature, lower value	-30 °C
Bearing temperature, upper value	80 °C
Capillary length	3 m
Colour	Anthr. grey (RAL7016), frontp. transp.
Contact interlocking	Yes
Control range, lower value	-10 °C
Control range, upper value	15 °C
Cooling control function	Yes
Depth	53 mm
Device version	Surface-mounted unit
Electric connection	Push-in terminal
Electronic control	No
External reset	Yes

External setting	No
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: 2 (0,4) 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, reset button
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	Manual reset after +3K
Switching difference, can be adjusted	No
Switching element	Microswitch
Type of protection	IP40
Width	57,5 mm
With explosion protection	No

