

Data Sheet RTKSA-203.100

Article number: KA020301

Frost protection thermostat, 3 m, IP40, hysteresis +3 K, STB, indoor setting, outdoor reset

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.



Number of outputs	2
Number of control ranges	1
Output signal	switching
External setting	No
External reset	Yes
Operation	internal setpoint adjuster, reset button
Electric connection	Push-in clamp
Electronic control	No

With explosion protection	No
Colour	anthracite
Sensor element	capillary tube
Function type (systems engineering)	STB
Device version	surface-mounted unit
Internal setting	Yes
Contact interlocking	Yes
Bearing temperature	-30 ... 80 °C
Capillary length	3 m
Max. air humidity (non-condensing)	95 % r.H.
Sensor material	Cu
Max. Sensor temperature	120 °C
Max. switching voltage	230 VAC, 50/60 Hz / 230 VDC
Max. switching current	16 (2,5) A, 0,25 A, 2 (0,4) A, 0,25 A
Min. switching voltage	24 VAC, 50 Hz / 24 VDC
Min. switching current	at 24 V (AC/DC) min. 100 mA
Mounting/attachment	wall mounting
Control range	-10 ... 15 °C
Heating control function	Yes
Cooling control function	Yes
Switching differential	manual reset according to 3 K (Heating/cooling)
Switching difference, can be adjusted	No

Switching element	microswitch
Switching contact	two-way contact
Potential free switching contact	Yes
Protection class	IP40
Protection class	I
Safety and EMC	in accordance with DIN EN 60730
Scale	Degree Celsius
Dimensions (W x H x D)	57,5 mm x 146,8 mm x 53 mm

