

Data Sheet RTKSA-203.000

Article number: KA020300

Frost protection thermostat, 1.8 m, IP40, hysteresis +3 K, STB, indoor setting, outdoor reset

The RTKSA frost protection controllers have been specially developed for frost protection on the air or water side of hot water heating registers and heat exchangers in ventilation, heating or air conditioning systems. In the event of a sensor break, contact 1-2 is permanently opened 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. The SWK-2-xxx protective coils can be used for temperature measurement of non-aggressive gases in the duct. Water-side application: The THK-2-xxx thermowells can be used for temperature measurement in non-aggressive fluids and the NTHK-2-xxx thermowells can be used in aggressive fluids.



Number of outputs	2
Number of control ranges	1
Output signal	switching
External setting	No
External reset	Yes
Operation	internal setpoint adjuster, reset button
Diameter sensor element	9.5 mm
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
Length of sensor	98 mm
Capillary length	1.8 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)	53 mm x 146,8 mm x 62,9 mm

