

Data Sheet RTKSA-204.020

Article number: KA020401

Frost protection thermostat, 1.8 m, IP65, hysteresis 1.5 K, STW, indoor setting, outdoor reset

The RTKSA frost protection controllers have been specially developed for air or water-side frost protection 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. Note: Mounting clips, thermowells and protective coils are not included in the scope of delivery and must be ordered separately. Air-side application: The SWK-2-xxx protective coils can be used for temperature measurement of non-aggressive gases in the duct. Water-side application: THK-2-xxx thermowells can be used for temperature measurement in non-aggressive fluids and 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
Operation	internal setpoint adjuster
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)	STW
Device version	surface-mounted unit
Internal setting	Yes
Contact interlocking	No
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, 6,3 (2,5) 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	Heating/cooling: 1,5 K

Switching difference, can be adjusted	No
Switching element	microswitch
Switching contact	two-way contact
Potential free switching contact	Yes
Protection class	IP65
Protection class	I
Safety and EMC	in accordance with DIN EN 60730
Scale	Degree Celsius
Dimensions (W x H x D)	57,6 mm x 146,8 mm x 53 mm

