

Datasheet RTKSA-203.000

Articlenumber: KA020300

Frost protection thermostat, 1.8m, 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. If the sensor breaks, contact 1 – 2 is permanently opened 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. The SWK-2-xxx protective coils can be used to measure the temperature of non-aggressive gases in the duct. Water-side application: For temperature measurement in non-aggressive fluids, the immersion sleeves THK-2-xxx and in aggressive fluids the immersion sleeves NTHK-2-xxx can be used.



Ambient temperature, upper value	80 °C
Bearing temperature, lower value	-30 °C
Bearing temperature, upper value	80 °C
Capillary length	1,8 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	57,5 mm
Device version	Surface-mounted unit
Diameter sensor element	9,5 mm
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
Length of sensor	98 mm
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	53 mm
With explosion protection	No

