

Data Sheet RTKSA-004.310

Article number: KA000400

Universal capillary thermostat, 20...150 °C, hysteresis -10 K, STW, internal setting

This series of devices has been specially developed for use in heating technology in boiler systems or storage tanks, district heating transfer stations and heat transfer systems, in ventilation technology as supply air monitoring or as limiters for electric heating registers and for controlling and monitoring temperatures on pipes and tanks. Thermowells, protective coils and fixing set are not included in the scope of delivery. The fixing set JZ-29 must be used in conjunction with thermowells or protective coils. When used as a contact regulator (pipe mounting), the fixing set JZ-31 must be used.



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|--------------------------|----------------------------|
| Number of outputs | 2 |
| Number of control ranges | 1 |
| Output signal | switching |
| External setting | No |
| External reset | No |
| Operation | internal setpoint adjuster |
| Diameter sensor element | 6 mm |
| Electric connection | Push-in clamp |
| Electronic control | No |

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|-------------------------------------|---|
| 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 | 55 mm |
| Capillary length | 2 m |
| Max. air humidity (non-condensing) | 95 % r.H. |
| Sensor material | Cu |
| Max. Sensor temperature | 177 °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 | in imm. sleeve, prot. coil, on tube, etc |
| Control range | 20 ... 150 °C |
| Heating control function | Yes |
| Cooling control function | Yes |
| Switching differential | manual reset according to -10 K (Heating/cooling) |

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| Switching difference, can be adjusted | No |
| Switching element | microswitch |
| Switching contact | two-way contact |
| Potential free switching contact | Yes |
| Protection class | IP54 |
| 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 66,7 mm |

