Data Sheet JTL-8 NR

Article number: E6120038

Air heater thermostat, 70...95 °C (burner), 20...70 °C (fan), 100 °C (STB), capillary length 350 mm

Minimum or maximum thermostat for supply air monitoring and fan control in ventilation and air conditioning systems. Type-tested by TÜV in accordance with DIN EN 14597. For hot air heaters in accordance with DIN 4794. Sensor break: In the event of sensor damage or sensor break, contacts 1 and 4 of the fan open. Intrinsic safety/cold protection: The appliances are intrinsically safe, i.e. if the sensor medium is lost, e.g. due to sensor breakage, the burner is switched off. As temperatures below freezing produce the same effect by reducing the volume of the sensor medium, the appliances are adjusted by means of the "cold screw" so that they only switch off the burner at temperatures below -15 °C. The appliance can only be switched back on manually at temperatures higher than approx. -5 °C using the manual reset button. Overheating protection: The appliance protects against uncontrolled overheating caused, for example, by heat build-up or gradual capillary filling loss in the event of invisible damage to the sensor or capillary tube, etc. When a temperature of 220 °C is reached, the safety slot in the sensor melts and the appliance switches the burner off to the safe side due to loss of the filling medium. The burner cannot be switched on again. The appliance is then unusable and serves as proof that an excess temperature of at least 220 °C has been reached. Temperature-controlled fan control, burner monitoring and safety temperature limiter, 3 functions.

Number of outputs	6
Number of control ranges	2
Output signal	switching
External reset	Yes
Operation	intern. setpoint adjuster, button, switch
Rated impulse voltage	4000 V

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Electric connection	screw terminals
Electronic control	No
With explosion protection	No
Colour	grey
Sensor element	capillary tube
Function type (systems engineering)	TW/STB
Device version	surface-mounted unit
Internal setting	Yes
Bearing temperature	–15 … 80 °C
Length of sensor	350 mm
Capillary length	0.35 m
Max. air humidity (non-condensing)	95 % r.H.
Sensor material	Cu
Housing material	Metal sheet steel
Max. Sensor temperature	200 °C
Max. switching voltage	230 VAC, 50 Hz
Max. switching current	15 (8) A
Medium	Air
Min. switching voltage	24 VAC, 50 Hz
Mounting/attachment	mounting on air duct
Burner control range	70 … 95 °C
Fan control range	20 … 70 °C

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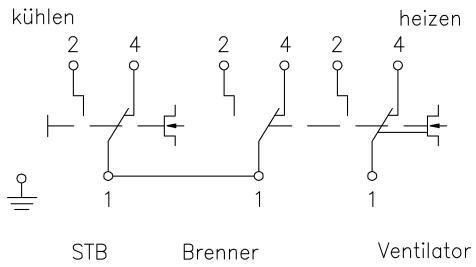
Heating control function	Yes
Cooling control function	Yes
Switching differential	Heating/cooling: 8 K
Switching contact	3 two-way contacts
Potential free switching contact	Yes
Switching power	3450 W
Protection class	IP20
Protection class	I
Safety and EMC	in accordance with DIN EN 60730
Scale	Degree Celsius
Ambient temperature	15 … 80 °C
Degree of contamination	2
Dimensions (W x H x D)	112 mm x 133 mm x 78 mm



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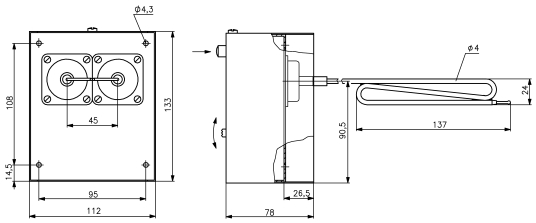

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