

Datasheet JTF-21/12

Articlenumber: E6090330

Frost protection thermostat, capillary length 12m, external setting, 2-stage

For protecting hot water heating registers against freezing. The device is intrinsically safe and has a sealable setpoint adjustment. For temperature measurement of non-aggressive gases. The JTF-21 frost protection monitor has 2 switching outputs, allowing intervention in the system before the danger point is reached. The JZ-05/6M (metal) or JZ-05/6 K (plastic) mounting clamps must be used to clamp the capillary in front of the heating coil. The capillary is active along its entire length. The device responds when approx. 60 cm of capillary reaches the set scale value. Mounting clamps, immersion sleeves and protective coils are not included in the scope of delivery and must be ordered separately. The hysteresis between the stages is approx. 5 K.



Ambient temperature	?10 ... 55 °C
Bearing temperature	-10 ... 55 °C
Capillary length	12 m
Colour	Grey
Contact interlocking	No
Control range	-10 ... 12 °C
Cooling control function	Yes
Degree of contamination	2
Device version	Surface-mounted unit
Dimensions (W x H x D)	105 mm x 112 mm x 55 mm
Electric connection	Screw terminals
Electronic control	No
External setting	Yes
Function type (systems engineering)	TR
Heating control function	Yes

Housing material	Plastic
Internal setting	No
Max. air humidity (non-condensing)	95 % r.H.
Max. Sensor temperature	200 °C
Max. switching current	15 (8) A
Max. switching voltage	230 VAC, 50 Hz
Medium	Air
Min. switching current	150 mA
Min. switching voltage	24 VAC, 50 Hz
Montage/Befestigung	Wall mounting
Number of control ranges	1
Number of outputs	2
Output signal	Switching
Potential free switching contact	Yes
Protection class	I
Rated impulse voltage	4000 V
Safety and EMC	In accordance with DIN EN 60730
Scale	Degree Celsius
Sensor element	Capillary tube
Sensor material	Cu
Surface finish	Matt
Switching contact	2 two-way contacts
Switching difference, can be adjusted	No
Switching differential	Heating/cooling: 1 K
Switching element	Microswitch
Switching power	3450 W
With explosion protection	No

