

## Data Sheet JTF-21/12

Article number: E6090330

Frost protection thermostat, capillary length 12 m, 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.



Number of outputs	2
Number of control ranges	1
Output signal	switching
External setting	Yes
Rated impulse voltage	4000 V
Electric connection	screw terminals
Electronic control	No
With explosion protection	No

Colour	grey
Sensor element	capillary tube
Function type (systems engineering)	TR
Device version	surface-mounted unit
Internal setting	No
Contact interlocking	No
Bearing temperature	-10 ... 55 °C
Capillary length	12 m
Max. air humidity (non-condensing)	95 % r.H.
Sensor material	Cu
Housing material	plastic
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
Min. switching current	150 mA
Mounting/attachment	wall mounting
Surface finish	matt
Control range	-10 ... 12 °C
Heating control function	Yes
Cooling control function	Yes

Switching differential	Heating/cooling: 1 K
Switching difference, can be adjusted	No
Switching element	microswitch
Switching contact	2 two-way contacts
Potential free switching contact	Yes
Switching power	3450 W
Protection class	IP40
Protection class	I
Safety and EMC	in accordance with DIN EN 60730
Scale	Degree Celsius
Ambient temperature	-10 ... 55 °C
Degree of contamination	2
Dimensions (W x H x D)	105 mm x 112 mm x 55 mm



