



Duct Thermostat

-30...+30°C

TS-DBTZ-2U

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Description:

The 1 step TS-DBTZ-2U electro-mechanical thermostat achieves temperature monitoring in air or non aggressive gas ducts. It is well-suited for general applications in strong polluted domestic and industrial areas.

The TS-DBTZ-2U is constructed around a fluid-filled capillary bulb with 200mm spring protection and sensor housing that transfers the changes in temperature to a micro-switch. The micro-switch is capable of breaking up to 15 A at 230 V AC. It features a fixed or adjustable hysteresis.

The thermostat is available with a setpoint adjustment knob on the outside or under the cover. It is also possible to recalibrate the scale using the hexagonal nut under the knob.

Specification:

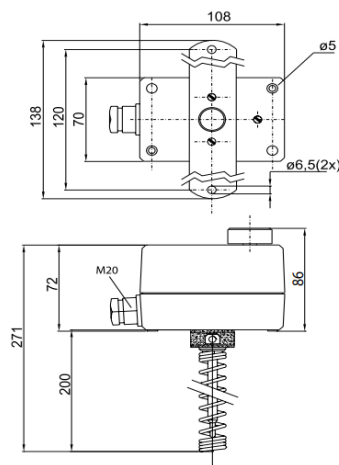
Temperature Range:	-30...+30°C
Hysteresis:	1K
Max. Bulb Temperature:	60°C
Steps:	1
Sensor Element:	Liquid-filled coiled copper bulb with 200mm protection spring
Contacts:	Dust-tight microswitches with SPDT contacts (heat/cool)
Breaking Capacity:	15 (8) A, 24...250 V AC
Ambient Temperature:	-35...+65°C
Ambient Humidity:	10...90% RH (non-condensing)
Insertion Length:	200 / Ø 21mm
Storage Temperature:	-40...+70°C
Storage Humidity:	< 95% RH
Weight:	690g
Protection Class:	IP65
Isolation Class:	I
Casing Material:	Base in Bayblend® Cover in ABS

CE

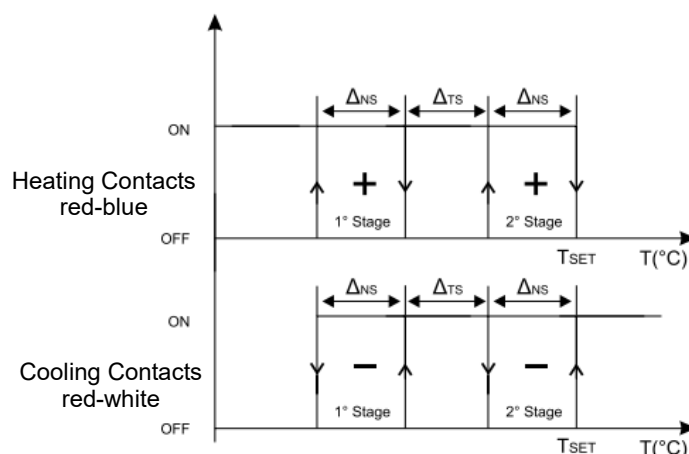
Low Voltage Directive (LVD): This product conforms to the requirements of the European Low Voltage Directive (LVD) 2014/35/EU through product standards EN 60335-1.

RoHS: This product conforms to the Directive 2011/65/EU of the European Parliament and of the Council through standard EN 50581:2012.

Dimensions (mm):



Logic Activation:



ΔNS: hysteresis in the stage

TSET: setting setpoint

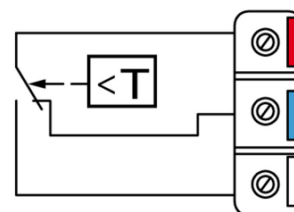
ON: closed contact

OFF: open contact

Wiring:

Heating: Connect to the red and blue terminal. The contact will open when the temperature rises.

Cooling: Connect to the red and white terminal. The contact will open when the temperature drops.



Order Code:

TS-DBTZ-2U

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