

MTIS

Mechanical clamp-on thermostat

MTIS is a series of high quality electro-mechanical thermostats for use in cooling, heating and ventilation systems.

- ✓ Wide setpoint range
- ✓ Adjustable hysteresis
- ✓ Breaking capacity 15 A at 230 V AC
- ✓ Protection class IP65

Function

The MTIS electro-mechanical thermostats are constructed around a fluid-filled bulb and sensor housing that transfers the changes in temperature to a micro-switch with SPDT contacts. The micro-switch is capable of breaking up to 15 A at 230 V AC. Each model also has a sensor element and a mounting clamp for direct fixing on a pipe.

Features

Hysteresis

The models have adjustable hysteresis 2...20 K.

Setpoint adjustment

The thermostat is available with a setpoint adjustment knob on the outside or under the cover.

Technical data

Sensor element	Liquid-filled copper bulb for contact
Contacts	Dust-tight microswitches with SPDT contacts (heat/cool)
Switch capacity	15 (8) A, 24...250 V AC
Ambient temperature	-35...+65°C
Ambient humidity	10...90 % RH (non-condensing)
Protection class	IP65
Isolation class	1
Weight	410 g
Storage temperature	-40...+70°C
Storage humidity	up to 95% RH

Material

Housing	Bayblend® base, ABS cover
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Models

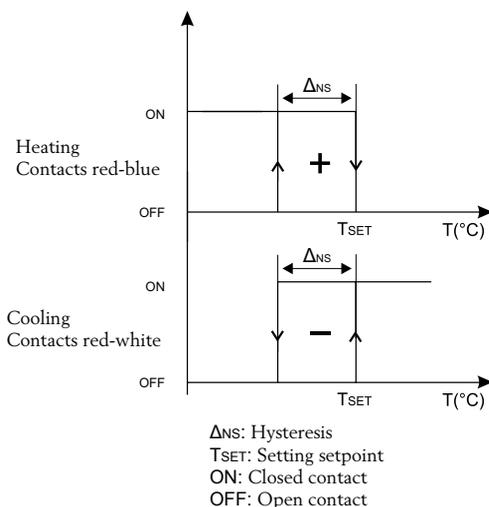
Article	Temperature range	Hysteresis	Max. bulb temp	Hidden setpoint
MTIS60S	0...60°C	2...20 K	75°C	-
MTIS60SH	0...60°C	2...20 K	75°C	X
MTIS90S	20...90°C	2...20 K	95°C	-
MTIS90SH	20...90°C	2...20 K	95°C	X

CE

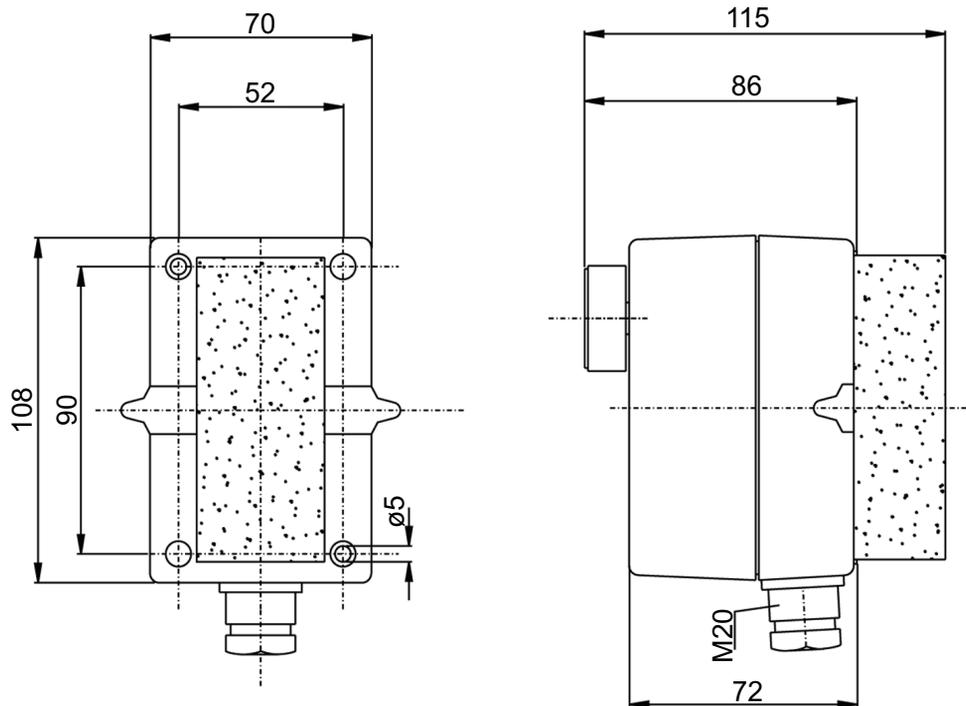
Low Voltage Directive (LVD) standards: This product conforms to the requirements of the European Low Voltage Directive (LVD) 2014/35/EU through product standard EN 60335-1.

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

Logic activation

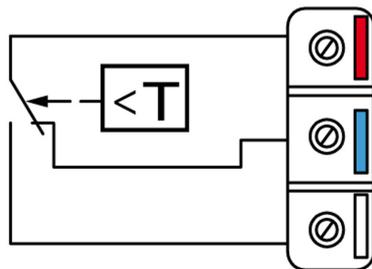


Dimensions



Measurements in mm.

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.

Product documentation

Document	Description
MTIS instruction	Instruction for installation of MTIS

The product documentation can be downloaded from www.regincontrols.com