



Immersion/Duct Thermostat

TS9510-**

Description:

The range of industrial thermostats are suitable for applications in boiler rooms and plant rooms where cost is critical, rated to IP40 they are suitable for indoor applications only. The Immersion thermostat is supplied with a 120mm pocket 1/2" BSP fitting and cable restraint with external adjustment. For duct mounting a vented duct tube can be ordered separately.

Technical Specification:

Rated Current Voltage:	C-1 16 (3)A / 250V (opening contact) C-2 6 (1)A / 250V (closing contact)
Control Ranges:	0°C ~ +60°C 0°C ~ +90°C +30°C ~ +120°C
Differential:	2~5K
Housing:	Plastic
Protection Level:	IP40
Max. Box Temperature:	90°C
Internal Device:	Capillary Thermoregulator



Conditions of Use:

For the correct working and for safety reasons the thermostat is to be installed and used according to the instructions here below provided. The thermostat must be protected from water and dust. The boxed thermostats have been tested in compliance with the European standards for safety and have been classified as follows:

1. According to its manufacture: as an automatic control device by independent mounting.
2. According to its automatic operating feature: as a 1.B operated control type.

Installation:

The installation of TS9510 is made by means of copper pocket or a ventilated tube. Proceed as follows:

- By means of copper pocket (pic.3): fix the pocket in the seat of the appliance and screw it through the threaded connection, put the thermostat probe inside the pocket and fix the pocket to the thermostat base using the fixing screw (pic.2).
- By means of ventilated tube (pic.4): fix the flange of the ventilated tube in the seat on the appliance, put the thermostat probe inside the ventilated tube and fix the tube to the thermostat base using the fixing screw (pic.2).

Electrical Connection:

Before proceeding with the electrical connection, make sure that there is no voltage in the cables. The electrical connection is ensured by means of screw terminals. Maximum diameter of the cross-section=2,5mm. The wiring diagram is shown on the label inside the product. The electrical connection must be executed by professional personnel according to standards and to laws in force.

- CONNECTION C-1: opens the circuit when temperature rises.
- CONNECTION C-2: closes the circuit when temperature rises.

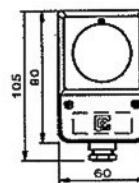
Notes:

- Type of disconnection: micro-disconnection
- Micro-environment pollution degree: 2
- Group of insulation material: IIIa
- Overvoltage class: II 1500 V
- Duration of electric stress: long period
- Number of cycles: 100.000

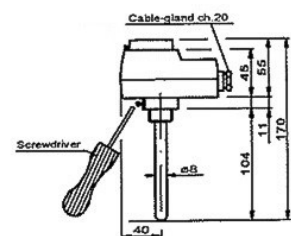
Order Codes:

TS9510-01	Immersion/Duct Thermostat 0°C ~ +60°C
TS9510-02	Immersion/Duct Thermostat 0°C ~ +90°C
TS9510-03	Immersion/Duct Thermostat +30°C ~ +120°C

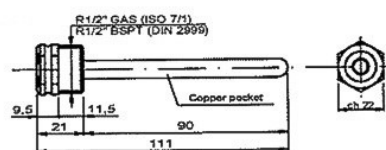
pic.1



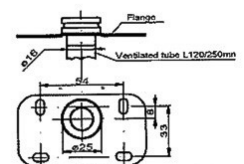
pic.2



pic.3



pic.4



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