



# Capillary Thermostats TS-DBTC-\*\*\*

## Description:

Series of capillary thermostats IP54 for use in cooling, heating and ventilation systems.  
The TS-DBTC's function is temperature measurement and monitoring in normal fluids (water) and in non aggressive gases with a thermo sensitive element coated with PVC. Well-suited for heating, cooling and air conditioning systems in domestic areas; industrial areas; commercial buildings and sport halls.

- Wide setpoint range
- Fixed hysteresis
- Protection class IP54
- Breaking capacity NC 16(4)A, 250 V AC NO10(6)A V AC

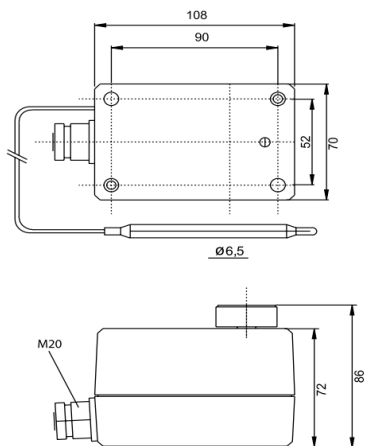
## Specification:

<b>Temperature Range...</b>	
<b>TS-DBTC-060:</b>	0...60°C
<b>TS-DBTC-090:</b>	0...90°C
<b>Hysteresis:</b>	4±1K
<b>Max. Bulb Temperature:</b>	130°C
<b>Sensor Element:</b>	Liquid-filled coiled copper bulb with capillary PVC coated
<b>Bulb:</b>	Ø 6.8
<b>Capillary Length:</b>	1.5m
<b>Contacts:</b>	Dust-tight microswitches with SPDT contacts (heat/cool)
<b>Breaking Capacity:</b>	NC 16 (4) A 250 V AC / NO 10 (6) A 250 V AC
<b>Ambient Temperature:</b>	-10...+65°C
<b>Ambient Humidity:</b>	10...90 % RH (non-condensing)
<b>Storage Temperature:</b>	-40...+70°C
<b>Storage Humidity:</b>	< 95% RH
<b>Weight:</b>	360g
<b>Protection Class:</b>	IP54
<b>Isolation Class:</b>	I
<b>Casing Material:</b>	Base in Bayblend® Cover in ABS

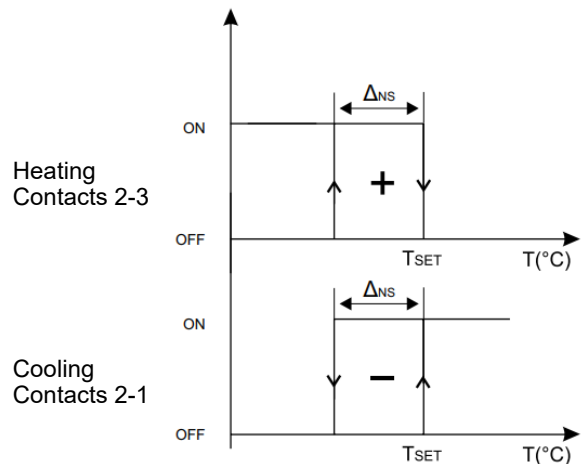
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**Low Voltage Directive (LVD):** This product conforms to the requirements of the European Low Voltage Directive (LVD) 2014/35/EU through product standards EN 60335-1.  
**RoHS:** This product conforms to the Directive 2011/65/EU of the European Parliament and of the Council through standard EN 50581:2012.

## Dimensions (mm):



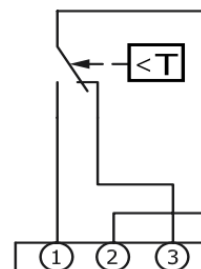
## Logic Activation:



## Wiring:

**Heating:** Connect to terminal 2 and terminal 3. The contact opens when the temperature rises.

**Cooling:** Connect to terminal 2 and terminal 1. The contact opens when the temperature drops.



## Order Codes:

<b>TS-DBTC-060</b>	Capillary Thermostat 0...+60°C
<b>TS-DBTC-090</b>	Capillary Thermostat 0...+90°C

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