



## Single-stage capillary thermostats

### FUNCTION

Temperature measurement and monitoring in normal fluids (water) and non aggressive gases by temperature sensitive element with PVC capillary protection.

### Applications

Well-suited for heating, cooling and air conditioning systems in:

- domestic areas;
- industrial areas;
- commercial buildings and sport halls.

Range °C	Type	Differential °C	Max bulb temp. °C	Pocket length cm	Pocket (*)
0...+60	<b>DBTC-060</b> ^^	3	75	150	DBZ-30/14 DBZ-31/14
+30...+90	<b>DBTC-3090</b> ^^	3	120	150	DBZ-30/14 DBZ-31/14

^^ Standard USA version available w/ °F scale and allowance for 1/2 NPT connector (refer to price list for additional data)

(\*) pocket on request

DBZ-30/14 pocket brass 120 mm, 8 x 0.5

DBZ-31/14 pocket stainless steel 120 mm, 8 x 0.5

### TECHNICAL FEATURES

**Sensitive elem.:** liquid-filled coiled copper bulb with 1.5 m length capillary PVC protected

**Dim. bulb:** ∅ 6.8

**Dim. capillary:** 150 cm

**Contacts:** dust-tight microswitches with switching SPDT contacts (heat/cool)

**Switch capacity:** 10 (1.5) A, 250 Vac

5 (1) A, 400 Vac

**Differential:** fixed (see schedule)

**Working temp.:** -10...+65 °C

**Storage:** -20...+70 °C

**Housing:** Byblend base, ABS cover

**Size:** 108 x 70 x 72 mm

**Protection:** IP54, class I

## ELECTRICAL WIRINGS

### Heating

Connect terminal 2 (common) and terminal 3.

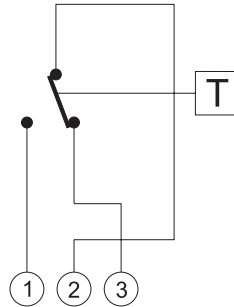
The contact opens during the temperature increasing.

### Cooling

Connect terminal 2 (common) and terminal 1.

The contact opens during the temperature decreasing.

The respective free contact closes simultaneously (signal contact).



## OVERALL DIMENSIONS

