



## SINGLE-STAGE CAPILLARY THERMOSTATS

DBTC

### FUNCTION

Temperature measurement and monitoring in normal fluids (water) and in non aggressive gases with a thermosensitive element coated with PVC.

### APPLICATIONS

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

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

TYPE	RANGE °C	DIFFERENTIAL K	MAX. BULB TEMP. °C	POCKET LENGTH cm	POCKET (*)
DBTC-060	0...+60	3±1	75	150	DBZ-30/14 DBZ-31/14
DBTC-3535U <sup>(1)</sup>	-35...+35	2±1	65	150	DBZ-30/14 DBZ-31/14
DBTC-3090	+30...+90	3±1	120	150	DBZ-30/14 DBZ-31/14
DBTC-50140U <sup>(1)</sup>	+50...+140	3±1	150	150	DBZ-30/14 DBZ-31/14

(1) model with knob under cover

(\*) Pockets on request:

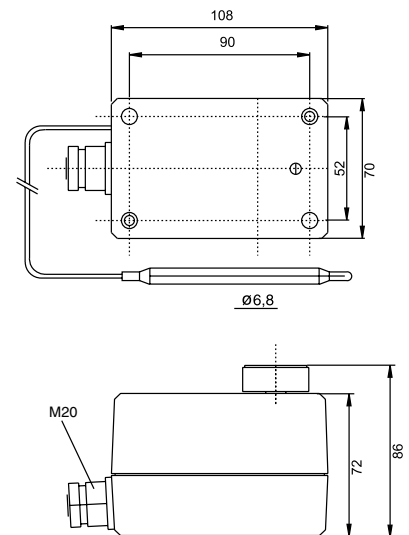
DBZ-30/14 pocket brass 120 mm, 8 x 0.5

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

### TECHNICAL FEATURES

<b>Sensitive element:</b>	liquid-filled coiled copper bulb with 1.5 m length capillary PVC protected
<b>Dim. bulb:</b>	Ø 6.8
<b>Dim. capillary:</b>	150 cm
<b>Contacts:</b>	dust-tight microswitches with SPDT contacts (heat/cool)
<b>Switch capacity:</b>	16 (4) A 250 Vac 6 (1) A 400 Vac
<b>Differential:</b>	fixed (see schedule)
<b>Working</b>	-10...+65 °C 10...90% r.h. (non condensing)
<b>Storage:</b>	-40...+70 °C < 95% r.h.
<b>Housing:</b>	Byblend base, ABS cover
<b>Protection:</b>	IP54, class I
<b>Size:</b>	108 x 70 x 72 mm
<b>Weight:</b>	360 g

### DIMENSIONS (mm)



### ELECTRICAL WIRING

#### Heating

Connect terminal 2 (common) and terminal 3 (fig. 1). The contact opens during the temperature rising.

#### Cooling

Connect terminal 2 (common) and terminal 1 (fig.1). The contact opens during the temperature dropping. The respective free contact closes simultaneously (signal contact).

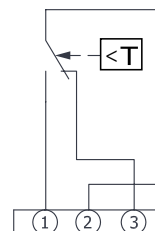


fig. 1