

SINGLE-STAGE CAPILLARY THERMOSTATS



INTEC
CONTROLS

DBTC

certified
ISO 9001 **CE**

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/°F	DIFFERENTIAL K	MAX. BULB TEMP. °C	POCKET LENGTH cm	POCKET (*)
DBTC-060 ▲▲	0...+60/32...+140	3±1	75	150	DBZ-30/14 DBZ-31/14
DBTC-3535U ⁽¹⁾	-35...+35	2±1	65	150	DBZ-30/14 DBZ-31/14
DBTC-3090 ▲▲	+30...+90/+86...+194	3±1	120	150	DBZ-30/14 DBZ-31/14
DBTC-50140U ⁽¹⁾	+50...+140	3±1	150	150	DBZ-30/14 DBZ-31/14

(1) model with knob under cover ▲▲ Inventory items w/Fahrenheit scale and 1/2" NPT connector hole

(*) 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

Sensitive element: liquid-filled coiled copper bulb with 1.5 m length capillary PVC protected

Dim. bulb: Ø6.8

Dim. capillary: 150 cm

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

Switch capacity: 16 (4) A 250 Vac
6 (1) A 400 Vac

Differential: fixed (see schedule)

Working -10...+65 °C
10...90% r.h. (non condensing)

Storage: -40...+70 °C
< 95% r.h.

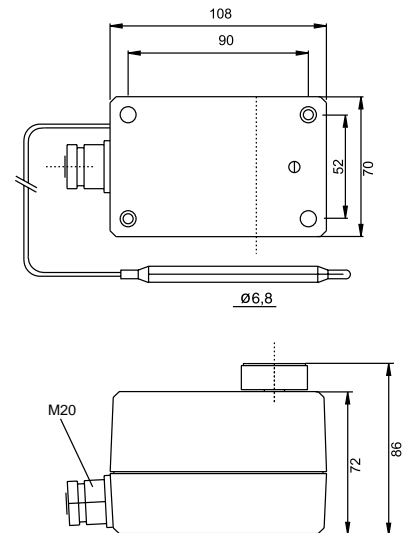
Housing: byblend base, AbS cover

Protection: IP54, class I / NEMA 12

Size: 108 x 70 x 72 mm

Weight: 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).

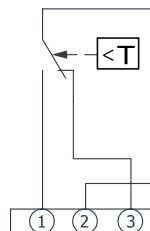


fig. 1