

AIR DUCT THERMOSTATS



DBTZ

certified ISO 9001

FUNCTION

Temperature monitoring in air or non aggressive gas ducts. Models with setpoint adjustment by knob on or under the cover and range calibration.

APPLICATIONS

Well-suited for general applications in strong polluted domestic and industrial areas.

TYPE	RANGE °C/°F	HYSTERESIS K	MAX. BULB TEMP. °C	SPRING LENGTH mm	SPECIAL VER-SIONS
DBTZ-1 ▲▲	-30...+30/-22...+86	2...20	60	200/Ø21	U/2
DBTZ-2 ▲▲	-30...+30/-22...+86	1	60	200/Ø21	U
DBTZ-3 ▲▲	-30...+30/-22...+86	FT	60	200/Ø21	U
DBTZ-7 ▲▲	0...+60/+32...+140	2...20	75	200/Ø21	U/2
DBTZ-8	0...+60	1	75	200/Ø21	U
DBTZ-9FT ▲▲	0...+60/+32...+140	FT	75	200/Ø21	U
DBTZ-9ST ▲▲	0...+60/+32...+140	ST	75	200/Ø21	U
DBTZ-16	+20...+90	2...20	100	200/Ø21	U/2
DBTZ-17	+20...+90	1	100	200/Ø21	U
DBTZ-18	+20...+90	ST	100	200/Ø21	U
DBTZ-10	+50...+120	2...20	140	200/Ø21	U/2
DBTZ-11	+50...+120	1	140	200/Ø21	U
DBTZ-12	+50...+120	ST	140	200/Ø21	U

▲▲ Inventory items of 50000 units and 100000 units

- U knob under the cover
- FT manual minimal reset
- ST manual maximum reset
- /2 2 stage version with adjustable differential between the stages 2...5 K and in the stage fixed 1 K

Accessories:

The thermostats are factory supplied with protection spring and mounting bracket model DBZ-25.

TECHNICAL FEATURES

- Sensitive element:** liquid-filled coiled copper bulb with 200 mm protection spring and mounting bracket
- Contacts:** dust-tight microswitches with SPDT contacts (heat/cool)
- Switch capacity:** 15 (8) A, 24...250 Vac
- Differentials:** see schedule
- Working:** -35...+65 °C
10...90% r.h. (non condensing)
-40...+70 °C
< 95% r.h.
- Storage:**
- Housing:** Byblend base, ABS cover
- Protection:** IP65, class I / NEMA 4
- Size:** 108 x 70 x 72 mm
- Weight:** 690 g

Note

The range may be calibrated by tuning carefully the hexagon nut under the knob (fig. 1).

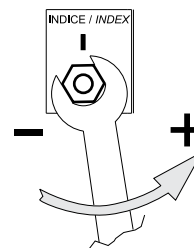


fig. 1

ELECTRICAL WIRING

Heating

Connect red terminal and blue terminal (fig. 2).
 The contact opens during the temperature rising.
 2-stage versions: during the temperature rising, the contact of stage 2 opens first, then the contact of stage 1.

Cooling

Connect red terminal and white terminal (fig. 2).
 The contact opens during the temperature dropping.
 2-stage versions: during the temperature dropping, the contact of stage 1 opens first, then the contact of stage 2.
 The respective free contacts close simultaneously (signal contact).

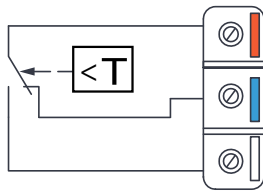


fig. 2

DIMENSIONS (mm)

