



AIR DUCT THERMOSTATS

DBTZ

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	HYSTERESIS K	MAX. BULB TEMP. °C	SPRING LENGTH mm	SPECIAL VERSIONS
DBTZ-1	-30...+30	2...20	60	200/Ø21	U/2
DBTZ-2	-30...+30	1	60	200/Ø21	U
DBTZ-3	-30...+30	FT	60	200/Ø21	U
DBTZ-7	0...+60	2...20	75	200/Ø21	U/2
DBTZ-8	0...+60	1	75	200/Ø21	U
DBTZ-9FT	0...+60	FT	75	200/Ø21	U
DBTZ-9ST	0...+60	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

- 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)
- Storage:** -40...+70 °C
< 95% r.h.
- Housing:** Byblend base, ABS cover
- Protection:** IP65, class I
- 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).

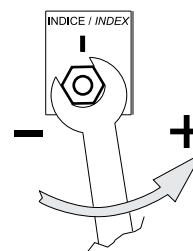


fig. 1



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).

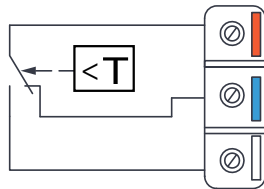


fig. 2

DIMENSIONS (mm)

