SINGLE AND MULTI-STAGE ROOM THERMOSTATS   DBET

FUNCTION

Room temperature control in:
- single or two independent stage heating systems;
- single or two independent stage cooling systems;
- heating and cooling systems with dead zone;
- minimum or maximum temperature security.

Models with setpoint adjustment by knob on or under the cover.

APPLICATIONS

Well-suited for heating, cooling and air conditioning systems in strong polluted areas (dusty and damp) and in chemically aggressive atmosphere of industrial areas, commercial buildings and sport halls, storage room and garages, machine rooms, factories, greenhouses and agricultural installations.

TYPE	RANGE 1 °C	RANGE 2 °C	HYSTERESIS RANGE 1 K	HYSTERESIS RANGE 1 K	MAX. BULB TEMP. °C	SPECIAL VERSIONS
DBET-040	0...+40		1,5±1		65	U
DBET-060	0...+60		1,5±1		65	U
DBET-04040	0...+40	0...+40	1,5±1	1,5±1	65	U
DBET-06040	0...+60	0...+40	1,5±1	1,5±1	65	U
DBET-06060	0...+60	0...+60	1,5±1	1,5±1	65	U

U   knob under the cover for range 1,
      the knob of the range 2 is always under the cover

TECHNICAL FEATURES

Sensitive element: liquid-filled coiled stainless steel V2A bulb
Contacts: dust-tight microswitches with switching SPDT contacts (heat/cool)
Switch capacity: 16 (4) A, 250 Vac
6 (1) A, 400 Vac
Hysteresis: fixed (see schedule)
Working: -10...+65 °C
10...90% h.r. (non condensing)
Storage: -20...+70 °C
< 95% h.r.
Housing: Byblend base, ABS cover
ABS (2 stage models)
Protection: IP54, class I
Size: 108 x 70 x 72 mm
132 x 88 x 70 mm (2 stage models)
Weight: 340 g

DIMENSIONS (mm)

DBET-0x0

DBET-0x0x0
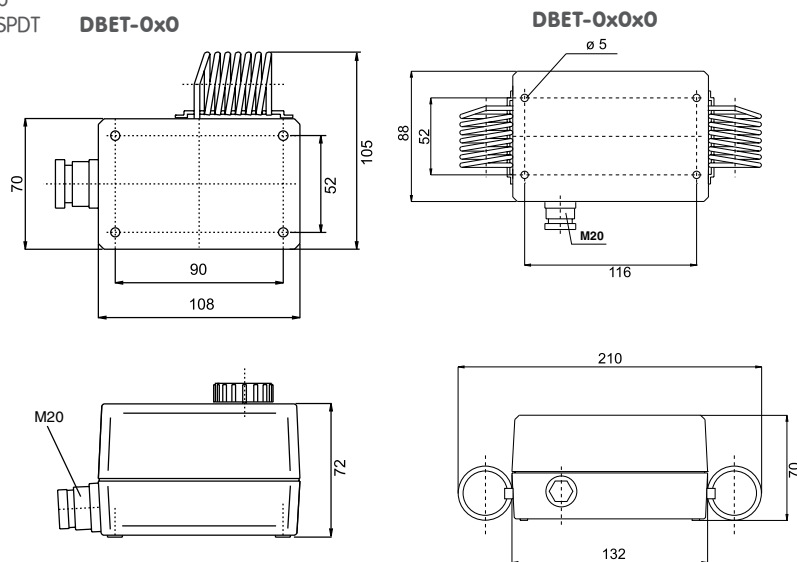
ELECTRICAL WIRING

Heating
Stage 1:   connect terminal 2 and terminal 3 (fig. 1 and fig. 2).
Stage 2:   connect terminal 5 and terminal 6 (fig. 2).
The contacts open during the temperature rising.

Cooling
Stage 1:   connect terminal 1 and terminal 2 (fig. 1 and fig. 2).
Stage 2:   connect terminal 4 and terminal 5 (fig. 2).
The contacts open during the temperature droping.
The respective free contacts close simultaneously (signal contact).

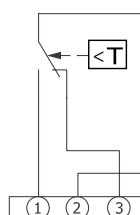The two stages are completely independent.
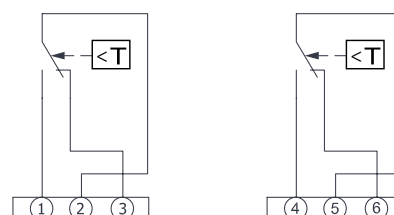
DBET-0x0   DBET-0x0x0

fig. 1   fig. 2