

SINGLE AND MULTI-STAGE ROOM THERMOSTATS



DBET (ROOM)



FUNCTION

Room temperature control in:

- single or multi-stage heating systems;
- single or multi-stage cooling systems;
- single or two-stage heating and cooling systems with dead zone.

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

APPLICATIONS

Well-suited for heating, cooling and air conditioning systems in dusty, damp and strong polluted areas: industrial areas, commercial buildings, storage room, garages, machine rooms, factories, greenhouses and agricultural installations.

TYPE	RANGE °C	STAGES	HYSTERESIS IN THE STAGES K	HYSTERESIS BETW. THE STAGES K	MAX. BULB TEMP. °C	SPECIAL VERSIONS
DBET-22	-30...+30	1	2...15		60	U
DBET-23	-30...+30	1	1		60	U
DBET-22/2	-30...+30	2	1	2...5	60	U
DBET-26 ▲▲	0...+60	1	2...15		75	U
DBET-27	0...+60	1	1		75	U
DBET-26/2 ▲▲	0...+60	2	1	2...5	75	U

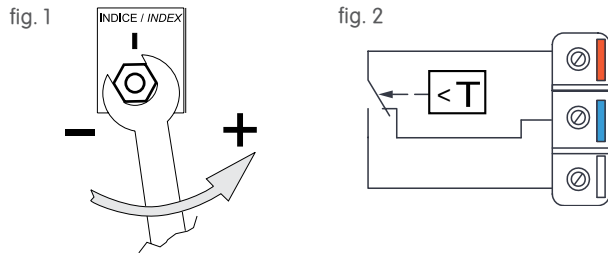
U knob under the cover ▲▲ Inventory items ~~8532855485548~~ and ~~8532855485548~~

TECHNICAL FEATURES

- Sensitive element:** liquid-filled coiled copper bulb
Contacts: dust-tight microswitches with SPDT contacts (heat/cool)
Switch capacity: 15 (8) A, 24...250 Vac
Differentials: fixed or adjustable (see schedule)
Working: -35...+60 °C
 10...90% h.r. (non condensing)
Storage: -40...+60 °C
 < 95% h.r.
Housing: Byblend base, ABS cover
Protection: IP65, class I / NEMA 4
Size: DBET: 108 x 70 x 72 mm
Weight: 450 g

NOTE

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



ELECTRICAL WIRING

Heating

Connect red (common terminal) to blue terminal, as shown in fig. 2; while temperature is rising, the contacts of stages open, in sequence, from the last to the first.

Cooling

Connect red (common terminal) to white terminal; while temperature is dropping, the contacts of stages open in sequence from the first to the last.
 The respective free contacts close simultaneously (signal contact).

DIMENSIONS (mm)

