DBET – single and multi-stage room thermostats



The appearance of the product may differ from the illustration. Technical specifications are subject to change.

DBET SERIES

APPLICATION AND USE

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.

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

TECHNICAL SPECIFICATION

TYPE	RANGE [°C]	STAGES	HYSTERESIS IN THE STAGE [K]	HYSTERESIS BETWEEN STAGES [K]	MAX. PROBES TEMPERATURE [°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

Sensor:	liquid-filled coiled copper bulb
Contacts:	dust-tight microswitches with SPDT contacts (heat/cool)
Switch capacity:	15 (8) A, 24...250 V_{AC}
Hysteresis:	fixed or adjustable (see schedule)
Working conditions:	-35„.+60°C 10...90% r.h. (non condensing)
Storage:	-40...+60°C
	< 95% rh.
Housing:	Bayblend base, ABS cover
Protection:	IP65, class I
Dimensions:	DBET: 108 x 70 x 72 mm
Weight:	450 g

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

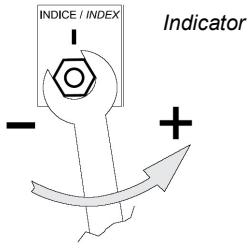


Fig. 1

DBET – single and multi-stage room thermostats

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).

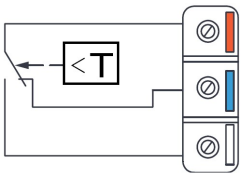
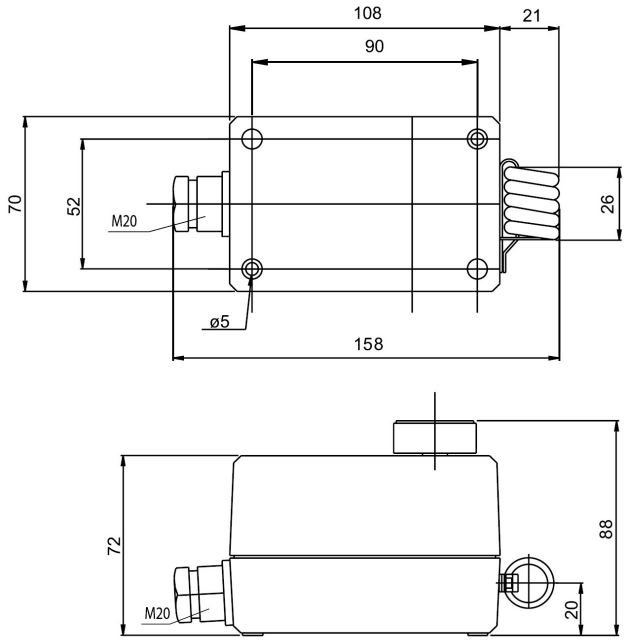


Fig. 2

DIMENSIONS [mm]



Due to continuous product improvement, specifications are subject to change without notice.

Nenutec Polska

00-236 Warszawa
ul. Świętojerska 5/7
tel.: +48-(0)-504-050225
nenutec@nenutec.pl