ROOM THERMOSTATS FOR FAN COIL WITH ONE 0-10 V OUTPUT FOR 2-PIPE SYSTEM

DB-TA-3B5

FUNCTION

Temperature control in heating, ventilation, refrigeration and air conditioning for tipically 2-pipe fan coil systems with proportional valve.

- 1 proportional output 0…10 Vdc
- manual selection of On/Off, 3 fan speeds

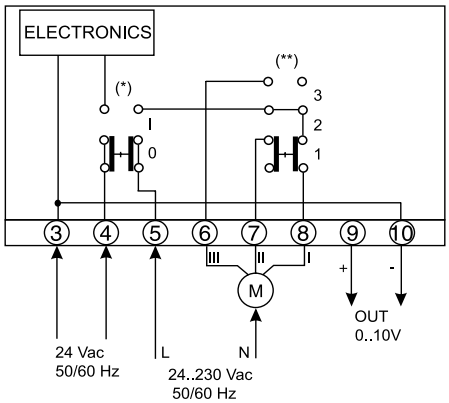
The thermostat is provided with a LCD display and keys +/- for parameters setting like the range, the type of action (direct or reverse) and proportional band. In normal condition of use the temperature is visualized with a step of 0.1 °C. When the thermostat is off, the fan is off, the proportional output is set to 0 Vdc. When the thermostat is on the fan is on at the speed selected manually by the switch and the proportional output is set according to parameters setting.

TYPE	ON/OFF	3-SPEED	S/W
DB-TA-3B5-130	•	•	local
DB-TA-3B5-100	•		local
DB-TA-3B5-000			local

TECHNICAL DATA

Power supply:	24 Vac ± 10%, 50/60 Hz
Outputs:	valves: 1 0-10 V outputs (R_L > 10 kOhm) speeds: 6 A 24/230 Vac, 50/60 Hz
Power cons.:	1 W
Sensor:	NTC 10K
Setpoint:	+5...+30 °C
Prop. band:	± 0,5...± 2,5 K
Display:	resolution 0.1 °C
Working:	0...+40 °C 10...90% r.h. (without condensing)
Storage:	-20...+70 °C < 95 % r.h.
Housing:	ABS fireproof according to UL94 V-0 color (RAL 9010)
Protection class:	IP30, class II
Size:	144 x 82 x 34 mm
Weight:	220 g

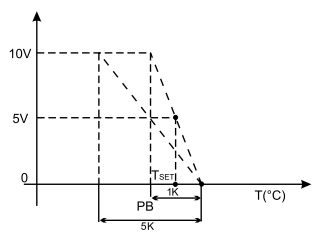
WIRING DIAGRAM



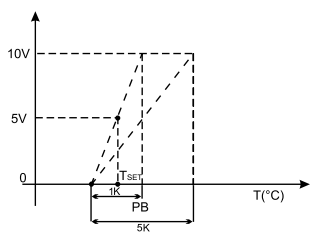
(*) only for models DB-TA-3B5-130, DB-TA-3B5-100
(**) only for model DB-TA-3B5-130

Logic of proportional output

Reverse action



Direct action



PB proportional band