



2 STAGES ROOM THERMOSTATS FOR FAN COIL WITH ECONOMY FUNCTION

DB-TA-3C3..A

FUNCTION

Temperature control in heating, refrigeration and air conditioning for typically fan coil systems with 2 stages.

- 2 relay outputs;
- manual selection of On/Off, 3 fan speeds (depending on model);
- internal or remote temperature sensor (optional);
- economy function.

The thermostat is provided with a LCD display and keys +/- for parameter setting like the range, the type of action (direct or

reverse), the differential between the stages, the differential in the stages and economy mode state. In normal condition of use the temperature is visualized with a step of 0.1°C. The voltage free On/Off switch connected together with the 3 fan speeds switch allow to power on and off the fan. In addition activation by parameter of economy function is available directly on the unit or remotely by an external contact.

TYPE	ON/OFF	3-SPEED	DIFFERENTIAL/DIFFERENTIAL K
DB-TA-3C3-13A	•	•	0.5...4
DB-TA-3C3-19A	•		0.5...4
DB-TA-3C3-99A			0.5...4

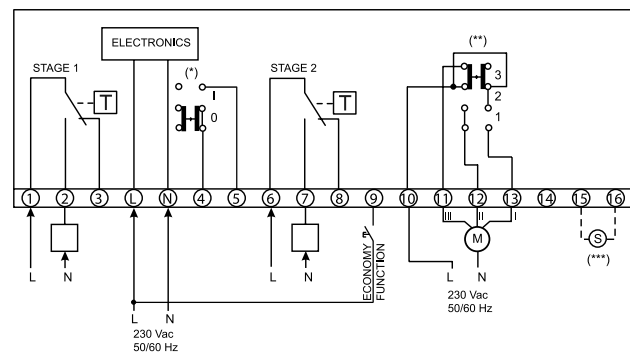
On request:

optional remote 2 m cable sensor, selectable by jumper; ordering code: NT0220-NTC10-02.

TECHNICAL DATA

Power supply: 230 Vac \pm 10 %, 50/60 Hz
Input: ext. contact for economy function
Outputs: valves: 2 relays SPDT 6 A 230 Vac
 speeds: 6 A 230 Vac, 50/60 Hz
Power consumption: 1 W
Sensor: NTC 10K
Setpoint: +5...+30 °C
Differential between the stages: 0.5...4 K
Differential in stages: 0.5...4 K
Economy: adjustable range between 0...+5 °C
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

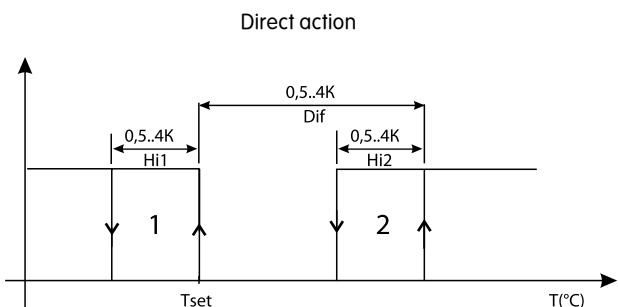
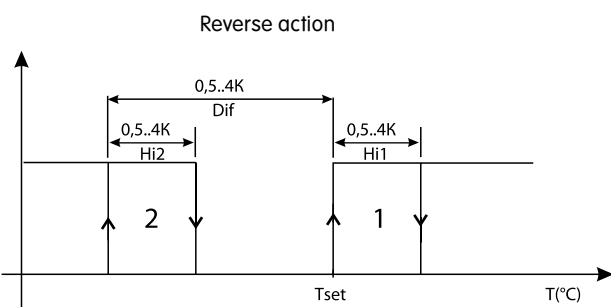


(*) only for models DB-TA-3C3-13A, DB-TA-3C3-19A

(**) only for model DB-TA-3C3-13A

(***) remote sensor (optional)

Logic of relay outputs



Dif temperature difference between activation of stage 1 and 2
Hi1 differential stage 1
Hi2 differential stage 2

