2 STAGES ROOM THERMOSTATS FOR FAN COIL   DB-TA-3C3..9

FUNCTION

Temperature control in heating, refrigeration and air conditioning for tipically 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).

The thermostat is provided with a LCD display and keys +/- for parameters setting like the range, the type of action (direct or reverse), the differential between the stages and the differential in the stages. In normal condition of use the temperature is visualized with a step of 0.1 °C. The voltage free On/Off switch connected together the 3 fan speeds switch allow to power on and off the fan. On request it is possible to have a version with economy function by a remote contact. When the contact is closed the thermostat works in economy mode.

TYPE	ON/OFF	3-SPEED	DIFFERENTIAL K
DB-TA-3C3-139	•	•	0.5...4
DB-TA-3C3-199	•		0.5...4
DB-TA-3C3-999			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 ± 10 %, 50/60 Hz
Outputs:	valves: 2 relays SPDT 6 A 230 Vac
	speeds: 6 A 230 Vac, 50/60 Hz
Power cons.:	1 W
Sensor:	NTC 10K
Setpoint:	+5...+30 °C
Differential between stages:	0.5...4 K
Differential in stages:	0.5...4 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
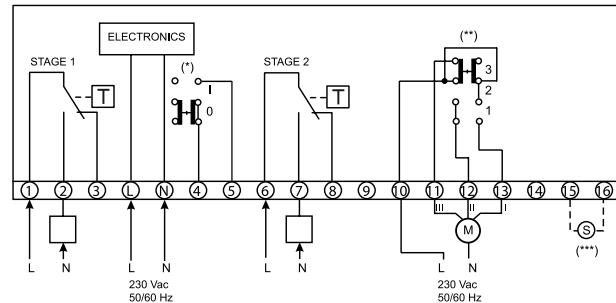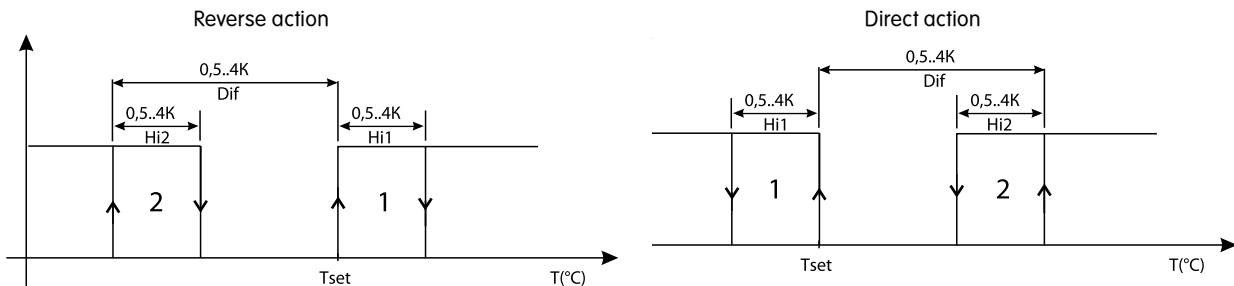

(*)   only for models DB-TA-3C3-139, DB-TA-3C3-199
(**)   only for model DB-TA-3C3-139
(***)   remote sensor (optional)

Logic of relay outputs

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