ROOM CONTROLLERS FOR 2-PIPE SYSTEMS, ON-OFF   DB-TA-323

FUNCTION

2-pipe systems (typically fan coil) control for room temperature applications with:
- knob for temperature setting
- 1 relay output;

- manual selection for On/Off, 3 motor speed, season changeover (depending on models);
- internal or remote temperature sensor (optional).

TYPE	ON/OFF	3-SPEED	LOCAL S/W	REMOTE S/W
DB-TA-323-199	●			
DB-TA-323-435 (*)	●	●		●
DB-TA-323-995				●
DB-TA-323-998			●	

On request:
optional 2 m cable remote sensor, selectable by jumper; ordering code: NT0220-NTC100 (for DB-TA-323-435 -> NT0220-NTC10-02).

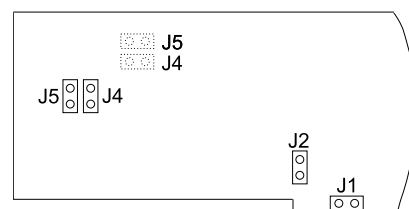(*)   for DB-TA-323-435 switch off/fan based on temp./continuous fan.

TECHNICAL DATA

Power supply:	24/230 Vac ± 10%, 50/60 Hz
Max load:	6 A
Output:	1 SPDT relay 6 A 24/230 Vac
Power cons.:	1 W
Sensor:	thermoresistor NTC 100K (for DB-TA-323-435 -> NTC 10K)
Setpoint:	+5...+30 °C; mechanical limitation of the setpoint adjustment
Differential:	0.5 K
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:	IP30, class II
Dimension:	144 x 82 x 34 mm
Weight:	210 g

JUMPER SETTING:

- J1 closed = internal sensor
- J2 closed = remote sensor
- J4 closed = power supply 24 Vac, 50/60 Hz
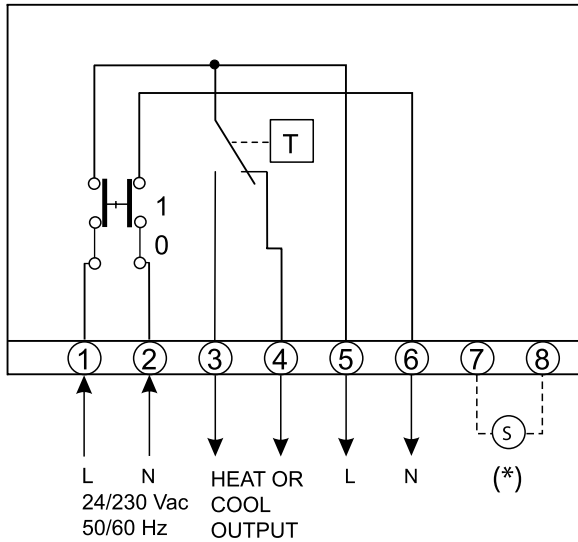- J5 closed = power supply 230 Vac, 50/60 Hz

The products are factory supplied with internal sensor and 230 Vac jumper setting.
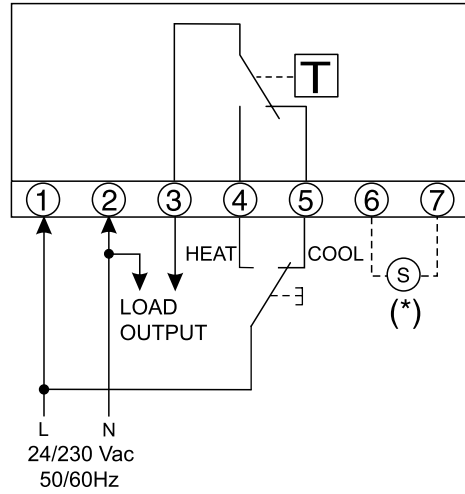
WIRING DIAGRAM

DB-TA-323-199

Terminal connections for heating or cooling systems: the On/Off switch provides power supply to terminals 5 and 6.
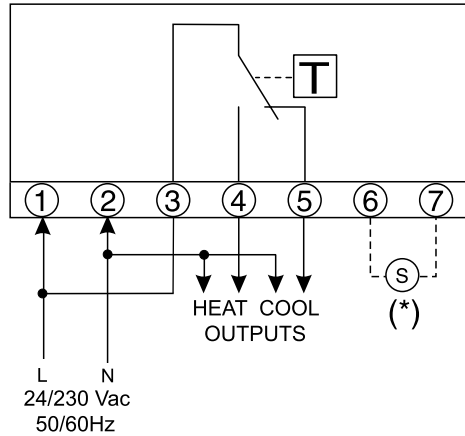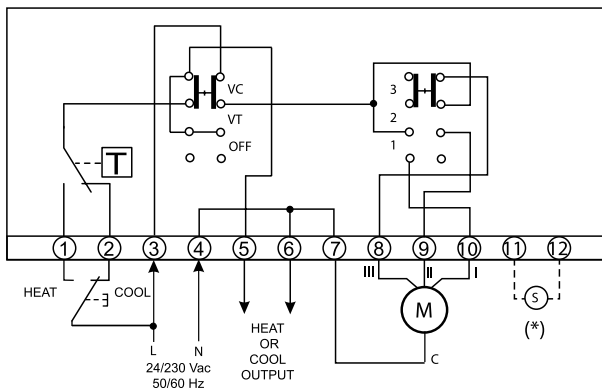

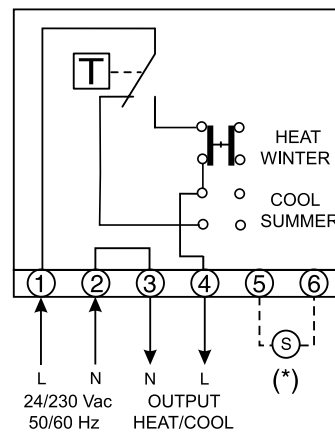L   N
24/230 Vac
50/60 Hz

HEAT OR COOL OUTPUT

L   N

(*)

DB-TA-323-435

Terminal connections for heating or cooling systems, with 3 motor speed fan coils.
Provided for remote season changeover.

HEAT   COOL

L   N
24/230 Vac
50/60 Hz

HEAT OR COOL OUTPUT

M   C

(*)

DB-TA-323-995

Terminal connections for systems with remote season changeover.

HEAT   COOL

LOAD OUTPUT

L   N
24/230 Vac
50/60Hz

(*)

Terminal connections for heating or cooling systems.

HEAT   COOL OUTPUTS

L   N
24/230 Vac
50/60Hz

(*)

DB-TA-323-998

Electrical wiring for heating and cooling systems

HEAT WINTER

COOL SUMMER

L   N
24/230 Vac
50/60 Hz

N   L
OUTPUT HEAT/COOL

(*)

(*)   remote sensor (optional, see page before)

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