DB-TA-323– room controllers for 2-pipe systems, ON-OFF



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

DB-TA-323 SERIES

APPLICATION AND USE

2-pipe systems control for room temperature applications (typically with a fan coil).

KEY FEATURES

- 1 relay output
- Knob for temperature setting
- On/off switch, 3-stage fan speed selector, operating mode switch (depending on the model)
- Internal or remote temperature sensor (optional)

AVAILABLE TYPES

TYPE	ON/OFF	3 FAN SPEEDS	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 remote 2 m cable 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.

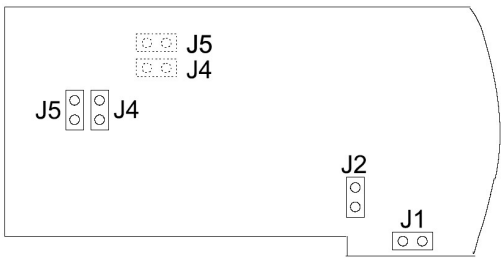
TECHNICAL SPECIFICATION

power supply:	24...230 V_{AC} ± 10% 50/60 Hz
Max electrical load:	6 A
Output:	1 SPDT relay 6 A 24/230 V_{AC}
Power consumption:	1 W
Sensor:	NTC 100K (DB-TA-323-435 -> NTC 10K)
Set-point:	+5...+30°C; mechanical limitation of the setpoint adjustment
Hysteresis:	0.5K
Working conditions:	0...+40 °C / 10...90% RH (non condensing)
Storage:	-20...+70 °C < 95 % RH
Housing:	ABS fireproof according to UL94 V-0 color (RAL 9010)
Protection:	IP 30, Class II
Dimensions:	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

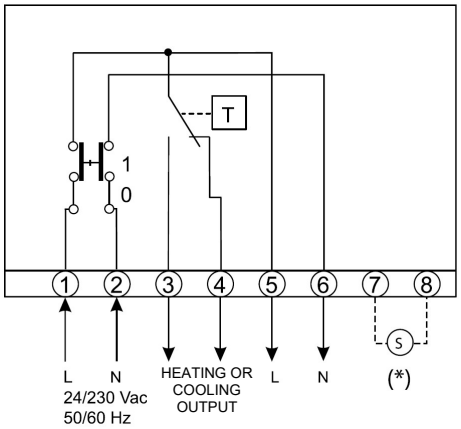
The products are factory supplied with jumper setting for internal sensor and 230 V_{AC} power supply.



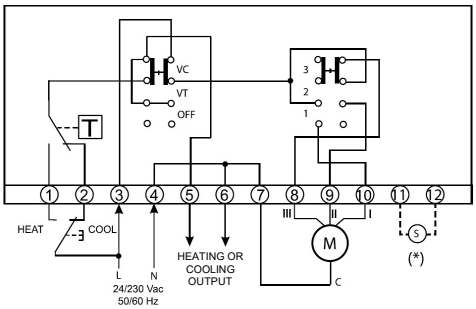
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WIRING DIAGRAM

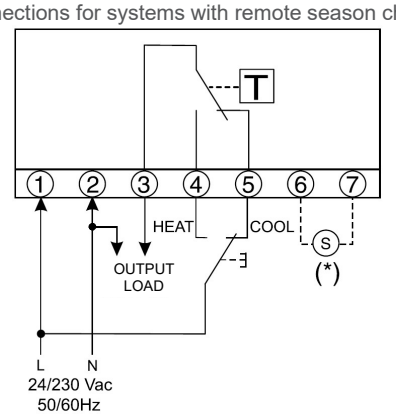
DB-TA-323-199
Terminal connections for heating or cooling systems: the On/Off switch provides power supply to terminals 5 and 6.



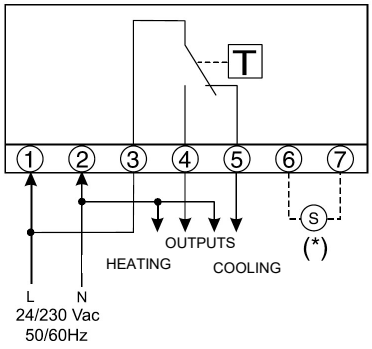
DB-TA-323-435
Terminal connections for heating or cooling systems,
with 3 motor speed fan coils.
Provided for remote season changeover.



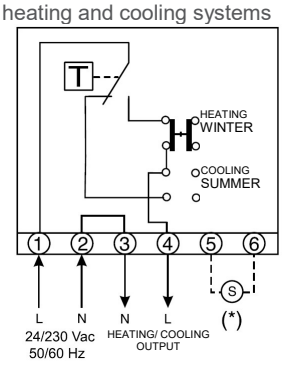
DB-TA-323-995
Terminal connections for systems with remote season changeover.



Terminal connections for heating or cooling systems.



DB-TA-323-998
Electrical wiring for heating and cooling systems



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

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

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