DB-TA-343 – room controllers for 4-pipe systems, ON-OFF



DB-TA-343 SERIES

APPLICATION AND USE

4-pipe fan coil control for room temperature applications.

KEY FEATURES

- Knob for temperature setting
- 2 relay outputs with dead zone
- On/off switch, 3-stage fan speed selector (depending on the model)
- Internal or remote temperature sensor (optional)

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

AVAILABLE TYPES

TYPE	ON/OFF	3 FAN SPEEDS	LOCAL S/W
DB-TA-343-139	•	•	DZ
DB-TA-343-199	•		DZ
DB-TA-343-999			DZ

DZ: dead zone

On request:
optional remote 2 m cable sensor, selectable by jumper; ordering code: NT0220-NTC100.

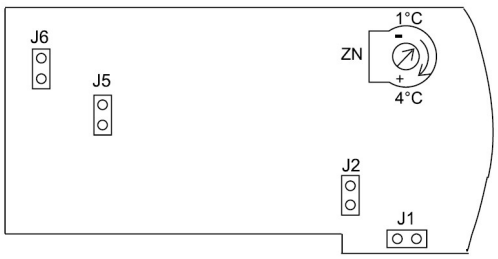
TECHNICAL SPECIFICATION

Power supply:	24...230 V_{AC} ± 10% 50/60 Hz
Max electrical load:	6 A
Output:	2 SPDT relays 6 A 24/230 V_{AC}
Power consumption:	1 W
Sensor:	NTC 100K
Set-point:	+5...+30°C; mechanical limitation of the setpoint adjustment
Hysteresis:	0.5K
Dead zone:	1...4K
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:

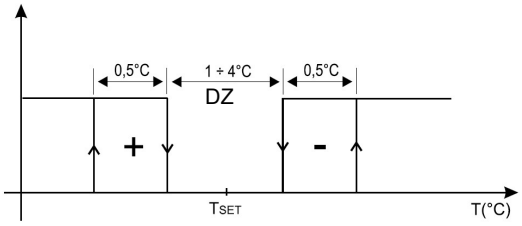
Jumper setting:
- J1 closed = internal sensor
- J2 closed = remote sensor
- J5 closed = power supply 24 Vac, 50/60 Hz
- J6 closed = power supply 230 Vac, 50/60 Hz

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



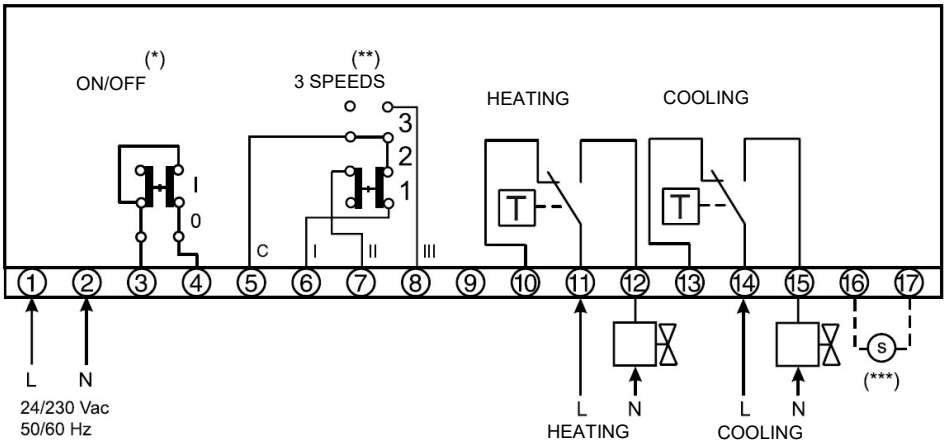
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WORKING LOGIC



WIRING DIAGRAM

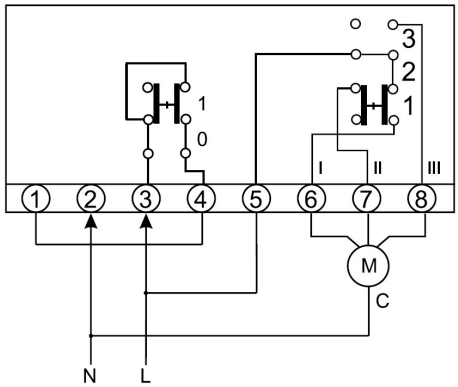
Terminal connections for 4-pipe air conditioning and heating systems.
The on/off and 3-speed switches are electrically independent from thermostat and are directly connected to terminals.



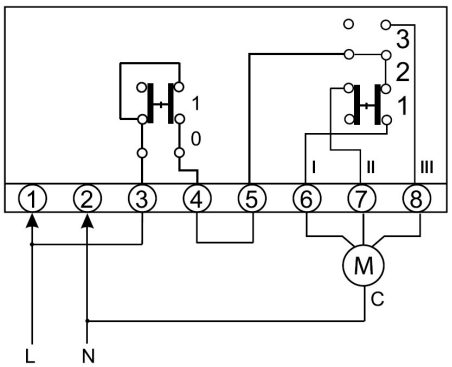
(*) only for models DBTA-343-139, DBTA-343-199
(**) only for models DBTA-343-139, DBTA-343-939
(***) remote sensor (optional)

Application examples of the terminal connections:

The On/Off switch drives the start-up of the thermostat and the motor is always powered



The On/off switch drives the start-up of the motor.



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

Nenutec Polska

00-236 Warszawa
ul. Świętojerska 5/7
tel.: +48-(0)-504-050225
nenutec@nenutec.pl