



## ROOM CONTROLLERS FOR 4- PIPE SYSTEMS

DBTA-343

### FUNCTION

4- pipe fan coil control for room temperature applications with:

- knob for temperature setting

- 2 relay output with dead zone (ZN);
- manual selection of On/Off and 3 motor speed (depending on models);
- internal or remote temperature sensor (optional).

TYPE	ON/OFF	3- SPEED	LOCAL S/W
DBTA-343-139	•	•	zn
DBTA-343-199	•		zn
DBTA-343-939		•	zn
DBTA-343-999			zn

zn dead zone

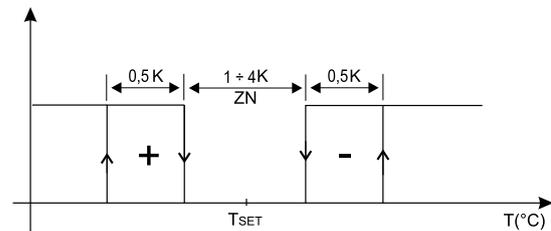
#### On request:

optional remote 1 m cable sensor, selectable by jumper; ordering code: NTB010-623.

### TECHNICAL FEATURES

<b>Power supply:</b>	24/230 Vac $\pm$ 10%, 50/60 Hz
<b>Max load:</b>	6 A
<b>Outputs:</b>	2 SPDT relays 24/230 Vac 6 A
<b>Power cons:</b>	1 W
<b>Sensor:</b>	NTC 100K
<b>Setpoint:</b>	+5...+30 °C; mechanical limitation of the setpoint adjustment
<b>Differential:</b>	0.5 K
<b>Dead zone:</b>	1...4 K
<b>Working:</b>	0...+40 °C; 10...90% r.h. (non condensing)
<b>Storage:</b>	-20...+70 °C < 95 % r.h.
<b>Housing:</b>	ABS self-extinguished according to UL94 V-0 color (RAL 9010)
<b>Protection:</b>	IP30, class II
<b>Dimension:</b>	144 x 82 x 34 mm
<b>Weight:</b>	210 g

### Working logic



Jumper setting:

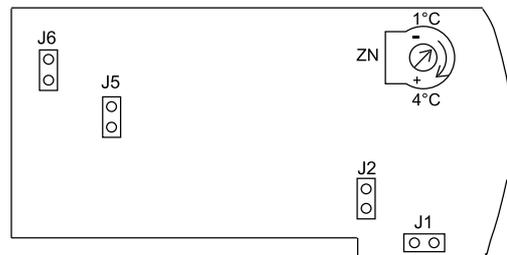
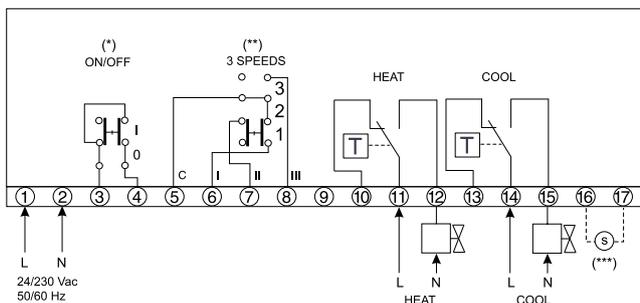
- J1 closed = internal sensor
- J2 closed = remote sensor
- J5 closed = power supply 24 Vac, 50/60 Hz
- J6 closed = power supply 230 Vac, 50/60 Hz

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

### ELECTRICAL WIRING

Terminal connections for 4- pipe air conditioning and heating systems.

The on/off and 3- speed switches are electrically independent from thermostat and other directly connected terminals.



(\*) only for models DBTA-343-139, DBTA-343-199

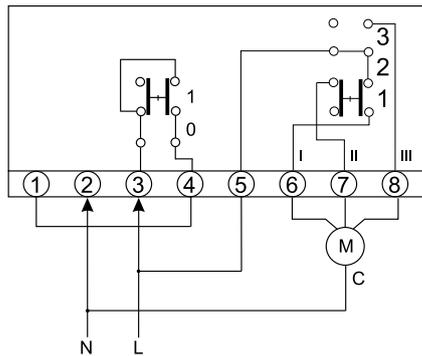
(\*\*) only for models DBTA-343-139, DBTA-343-939

(\*\*\*) remote sensor (optional)



**Application examples of the terminal connection:**

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

