

Coelair is an electronic control unit for hot air chimney control.
It has 3 different operating modes: manual; automatic; progressive.

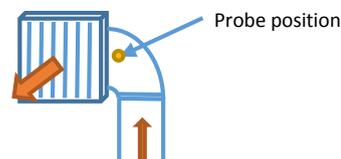
The temperature probe allows to display the temperature present in the duct of hot air outlet and to activate the fan when the set temperature is reached. The temperature reading range is from 30 to 170 °C. Below 30 °C all is turned off or only 3 lines can be displayed - - - (OFF). The speed variation of the electric fan is 5 steps.



To select one of the three operating modes, press the **MODE** key repeatedly.

- **Manual mode:** By pressing the + and - keys the fan speed is controlled directly from P_0 (fan stopped) to P_5 (maximum speed). If the fan stops at P_0 and the temperature reaches the value set as maximum fan (THi), the fan switches on to P_5.
- **Automatic mode:** Using the + and - keys sets the fan power value from P_1 to P_5. The fan turns on at the set power when the temperature reaches the set value (TLO).
- **Progressive mode:** As the temperature increases, the control unit progressively accelerates the fan up to the maximum power that corresponds to the set maximum temperature limit (THi). Esempio: TLO impostata a 40 °C - THi impostata a 80°C

°C probe < 40	=	P_0
°C probe from 40 to 49	=	P_1
°C probe from 50 to 59	=	P_2
°C probe from 60 to 69	=	P_3
°C probe from 70 to 79	=	P_4
°C probe >80	=	P_5



<u>Menu description</u>		
TLO	fan ignition temperature	default 40
THi	fan temperature at maximum power	default 80
ALL	acoustic alarm intervention temperature	default 125
PL0	minimum fan regulation coefficient	default 20
PHI	maximum fan regulation coefficient NOTE1	default 100
Off	Display display setting at <30 ° CC	default OFF

NOTE1: reduce the value until the fan starts to slow down.

Sensor probe ntc 100K @ 25°C

Electrical connections

Caution there may be some connections that are not used. Follow the diagram on the side

Probe position place the probe near the hot air outlet grille, when the fire is switched on, the hot air obtained reaches by convention the sensor which then in turn via the control unit allows the start of ventilation

To activate the AUX output KEEP THE **MODE** BUTTON PRESSED

