

WALL HUNG FAN HEATER

3 kW to 24 kW

2 air speeds and 2 powers per model

INSTRUCTIONS FOR USE

Accessories: a wall mounting bracket

2 screws 8 mm diameter, 120 mm long + bolts and 1 screw 12 mm diameter + 1 washer
for models 4.5, 6 and 9 kW: a connecting device for connection with 230 V 1 phase

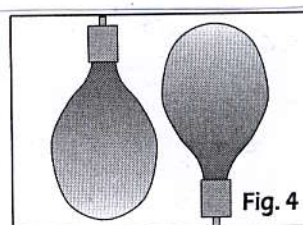
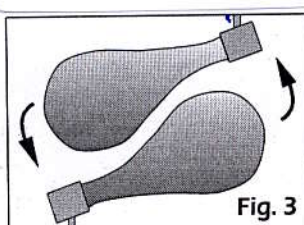
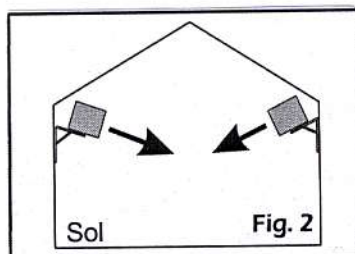
This appliance is dedicated to high volume heating. It can be also installed on an optional feet.

product code	heating		ventilation		noise level dB	temperature increase °C.	sizes W x D x H cm	weighth kg
	rating kW	voltage V	speed rot /minut	air flow m3/hour				
4029-1	3	300 1ph 400 tri 400 tri+N	880	430	45	27	42 x 33 x 49	21
	4,5		1100	490	48	31		
4029-2	4		1000	620	46	25	42 x 33 x 52	21
	6		1300	700	49	29		
4029-3	6		1100	920	47	24	47 x 38 x 52	26
	9		1400	1100	50	28		
4029-4	8	400 tri 400 tri + N	1200	1000	50	29	47 x 38 x 52	27
	12		1400	1200	53	31		
4029-5	10		1150	1250	40	33	47 x 38 x 52	32
	15		1350	1350	53	35		
4029-6	9		1000	1600	52	29	52 x 43 66	36
	18		1400	1800	55	33		
4029-7	12		1100	1700	53	31	52 x 43 66	36
	24		1400	2200	56	41		

Recommendations:

Lean down gently to avoid accumulation of heat at the ceiling (Fig.2).

Do not send the air flow towards cold walls. When installing several heaters, do not cross their air flows (Fig.3 and Fig.4; view from the ceiling). Do not blow directly on persons.



Mounting

The support comprises one adjustable square, one cross-bar and some fittings.

The rotating pivot is fitted to the appliance.

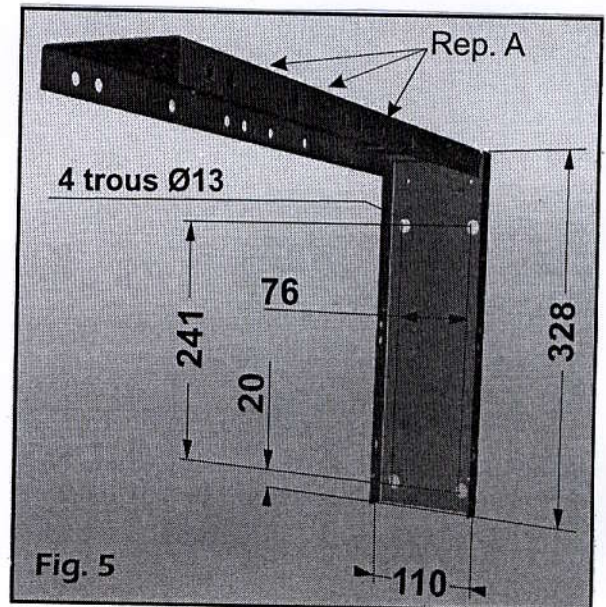
A/ Wall fixing

The square can be used as a template for marking the holes.
Fix to the wall with 4 suitable screws.

Place the cross-bar in the square as shown on the drawing.
Then, according to the required orientation, place the screw (diam. 8, 12 cm long) into the holes 8 or 9.

Tighten firmly with the bolt.

The second screw (diam. 8, 12 cm long) can be placed in the holes 1 to 7 according to the required angle.

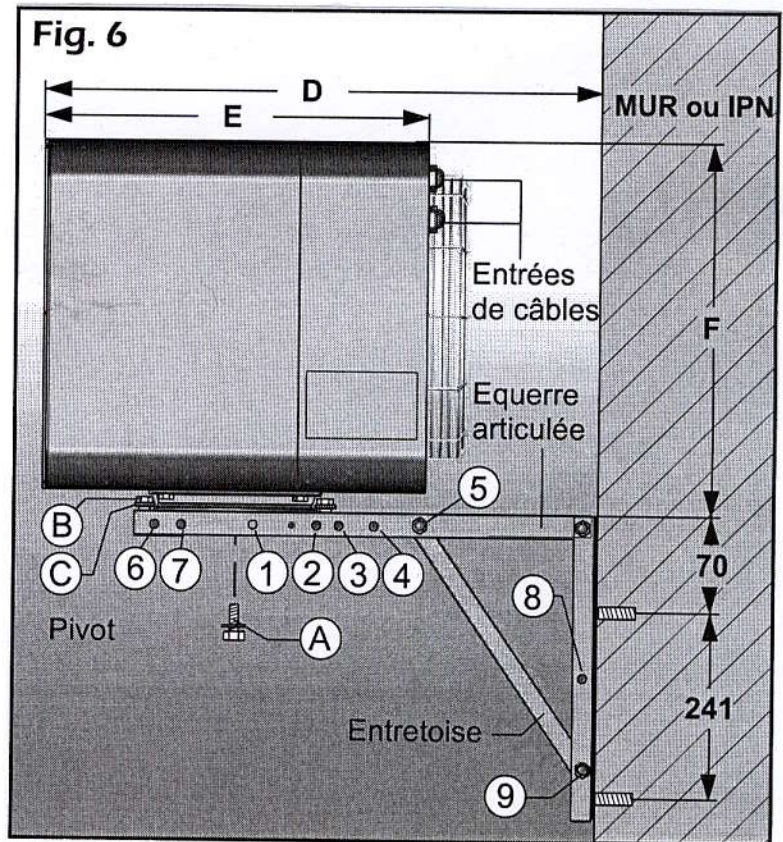


available angles:

	1	2	3	4	5	6	7
8	32°	10°	0°			70°	60°
9	33°	23°	18°	12°	0°	50°	47°

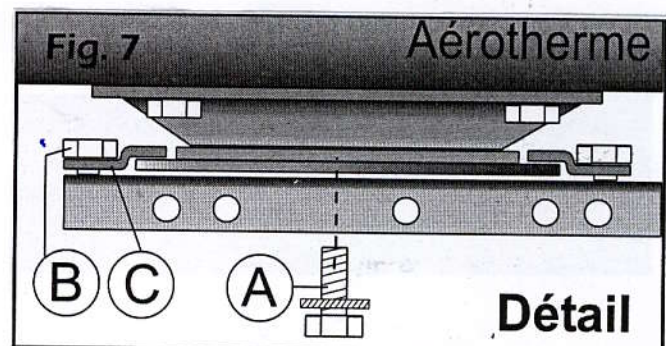
required space:

model	D	E	F
3 / 4,5	635	430	350
4 / 6			
6 / 9			
8 / 12			400
10 / 15	685	480	
9 / 18			450
12 / 24			



Mounting the appliance onto the support:

Tighten the screw A (and washer) with a 19 mm key.
Place the C fixing flaps and tighten the B bolts with a 10 mm key.



B/ Ceiling fixing

Select the required angle according to the herewith table:

	1	2	3	4	5	6	7
8	58°	80°	90°			20°	30°
9	57°	67°	72°	78°	0°	40°	43°

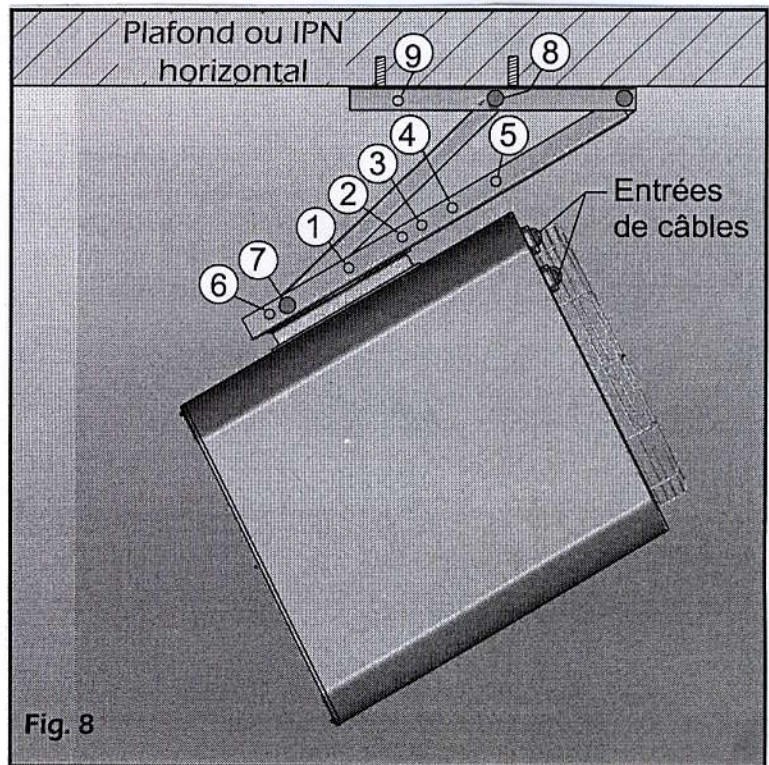


Fig. 8

Mounting the appliance onto the support:

Place the pivot on the top of the appliance by unscrewing the 4 D screws and placing them on the opposite face.

Then, do as indicated at the above A chapter hang the appliance under the support and tighten the A screw using a 19 mm key

Place the C fixing flaps

Orientate the appliance according the required position, tighten firmly the A screw and also the B nuts with a 10 mm key.

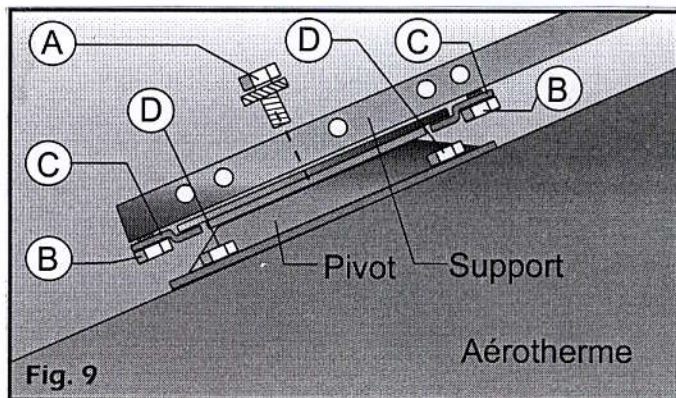


Fig. 9

Electrical connection

Intensity is lower than 2 A for any appliance

rating	speed	intensity per phase	
		230 V 1 phase	400 V TRI
3 / 4,5 kW	1	13,04 A	4,33 A
	2	19,57 A	6,49 A
4 / 6 kW	1	17,39 A	5,77 A
	2	26,09 A	8,66 A
6 / 9 kW	1	26,09 A	8,66 A
	2	39,13 A	12,99 A
8 / 12 kW	1		11,55 A
	2		17,32 A
10 / 15 kW	1		14,43 A
	2		21,65 A
9 / 18 kW	1		12,99 A
	2		25,98 A
12 / 24 kW	1		17,32 A
	2		34,64 A

Electrical connection must be made according to the local regulation and standards

Cable inlets are located on the back side of the heater.

Connection and turning to another voltage are shown hereunder.

To reach the connection terminal, remove the 4 screws of the cover and, then, turn the cover.

Factory standard supply: 400 V TRI + Neutral

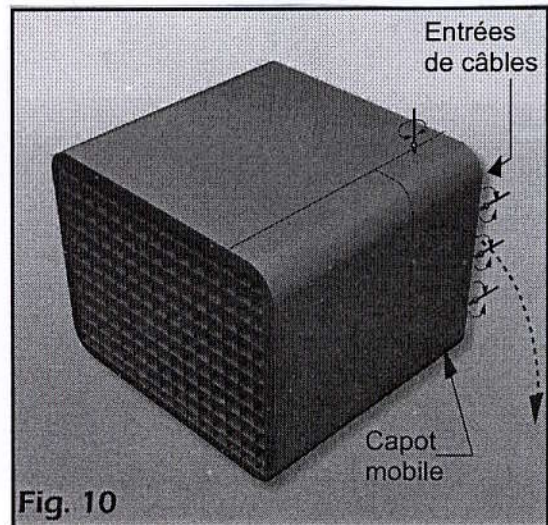


Fig. 10

Electric supply cables should be connected to the matching terminal. Screws should be tightened firmly.

When connecting several heaters to the same control box, **do respect the polarity** (Live wires to the Live terminals and Neutral wires to the Neutral terminals).

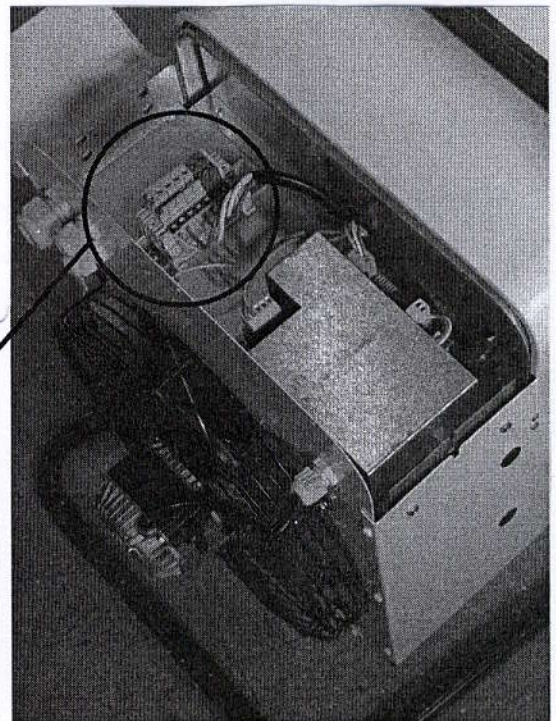
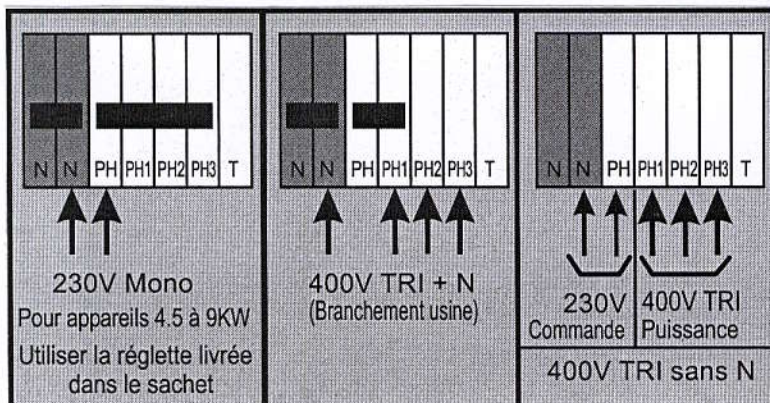
230 V

1 phase

for 4.5 and
9 kW units,
use the supplied
connector

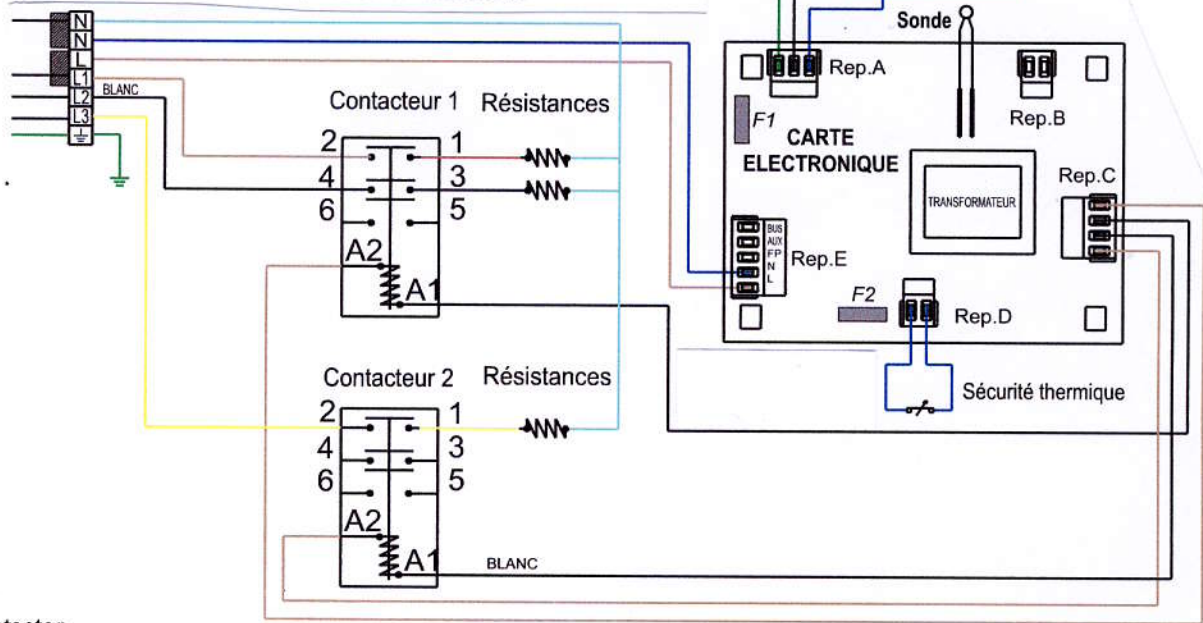
factory
supply
400 V TRI
+ Neutral

400V TRI
without neutral
230 V 400 V TRI
control supply



Electrical diagrams

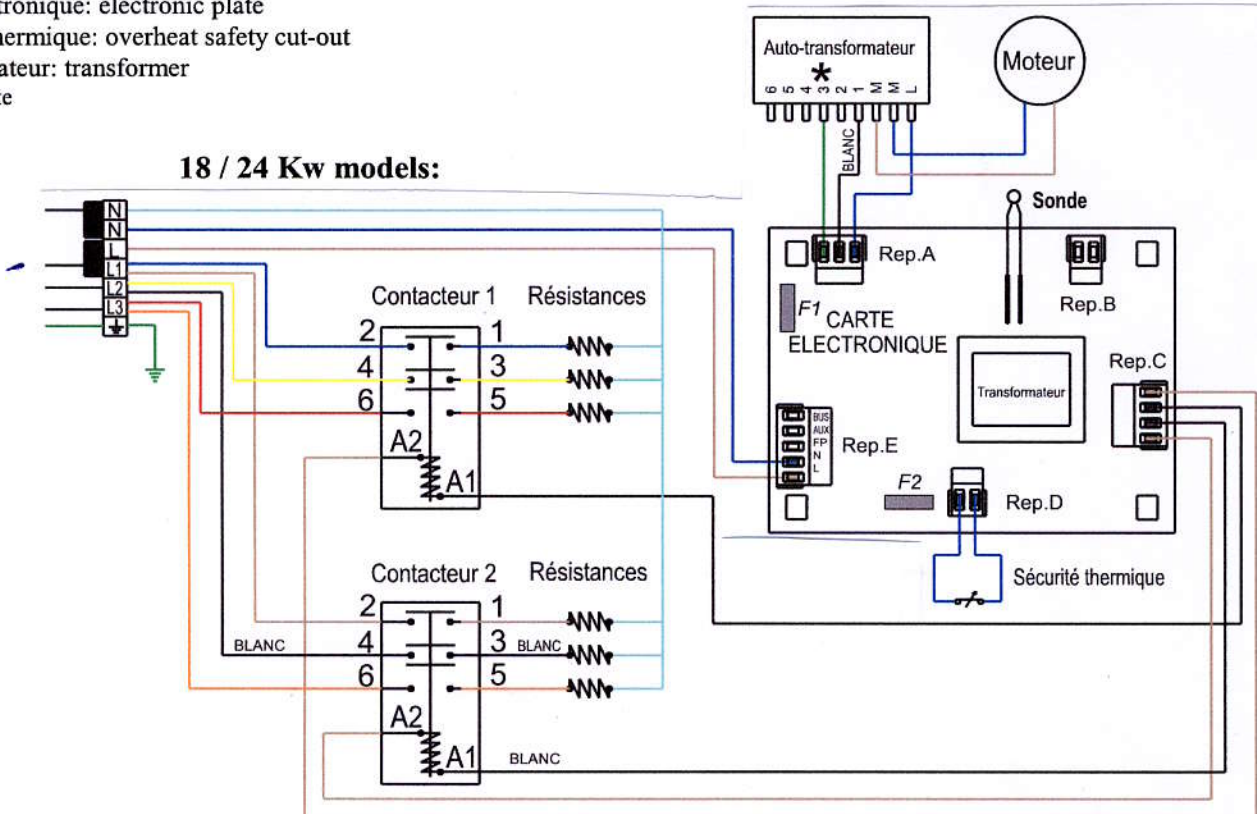
4.5 / 6 / 9 / 12 / 15 kW models:



Translation:

moteur: motor
 contacteur: contactor
 résistances: heating elements
 carte électronique: electronic plate
 sécurité thermique: overheat safety cut-out
 transformateur: transformer
 blanc: white

18 / 24 Kw models:



Terminals:

Rep.A: motor
 Rep.B: control box
 Rep.C: contactors
 Rep.D: overheat safety cut-out
 Rep.E: electric supply and control box

Fuses: F1: motor (2 amp.)

F2: supply (3.15 amp)

*location of the green wire

4.5 kW: terminal 3
 6 kW : terminal 4
 9 kW : terminal 5
 12 kW : terminal 4
 15 kW : terminal 3
 18 kW : terminal 3
 24 kW : terminal 2

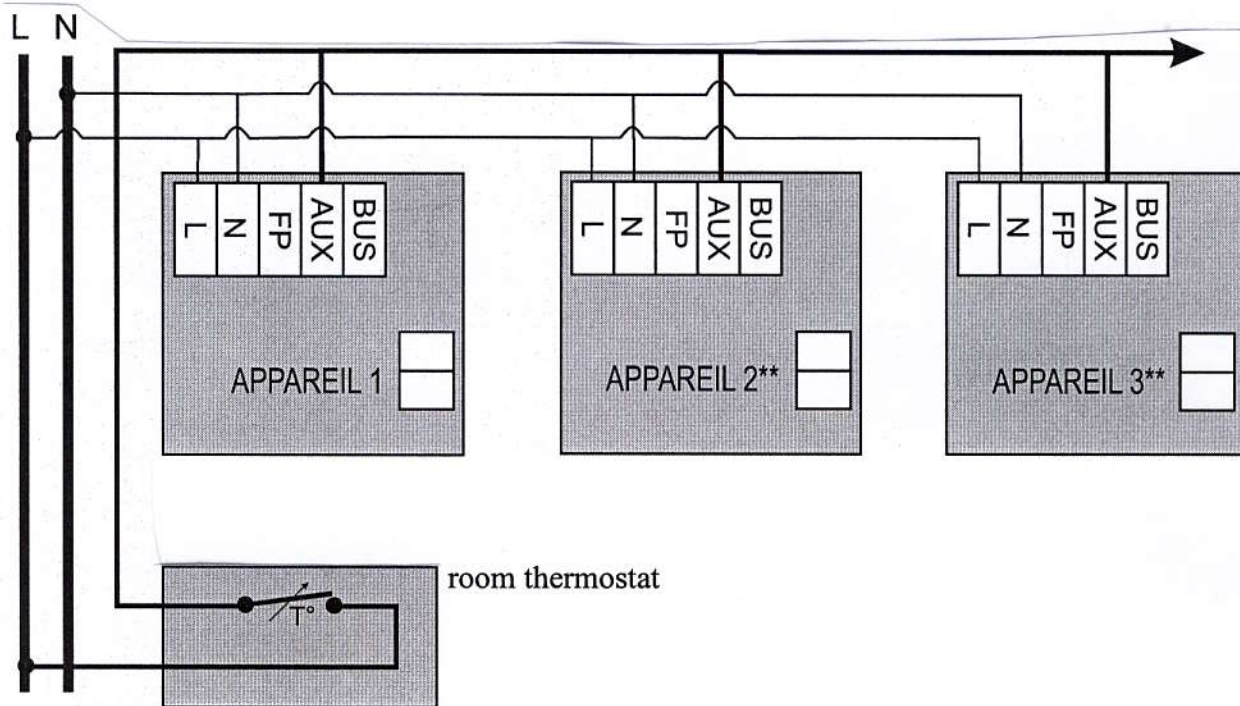
Electrical connection with a control system

A/ with the control box

Please refer to chapter 3 of the control box manual guide

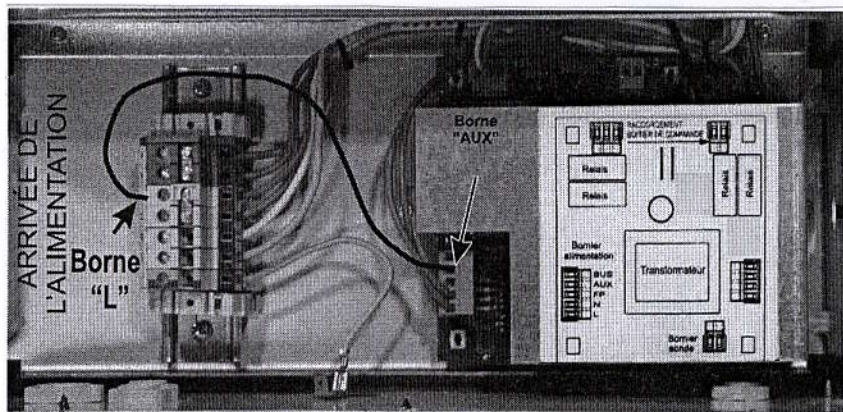
Important warning: do not connect to the mains till the complete connecting work is made.

B/ with a room thermostat a room thermostat can drive up to 20 heaters



C/ without any control system

Add a shunt between the AUX terminal of the electronic plate and the L (live) terminal of the supply terminal of the heater.



Cleaning and servicing

The appliance requires no special maintenance. To remove dust, use a soft cloth. To remove marks, use a damp cloth. Never use abrasive products that could damage the polyester coating. Periodically remove dust that collects in the ventilation grids using a vacuum cleaner. Prolonged accumulation of dust will cause the appliance to over-heat and the safety mechanism to be triggered.

In the event of a fault, disconnect the unit from the main power supply (switch off or unscrew fuse). Repairs are to be done by a qualified electrician only.