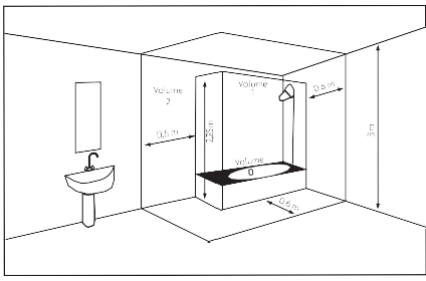


EC FLEX®

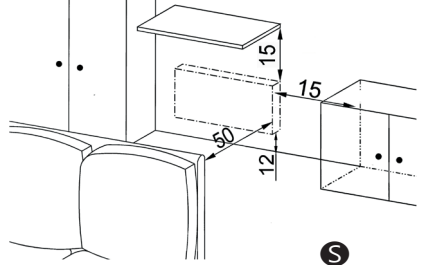
ELECTRONIC CONVECTOR

Installation and user manual

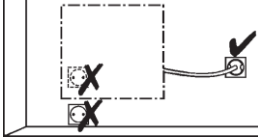
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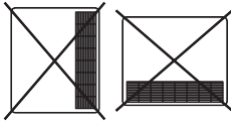
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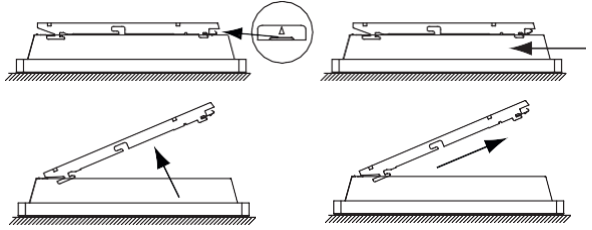
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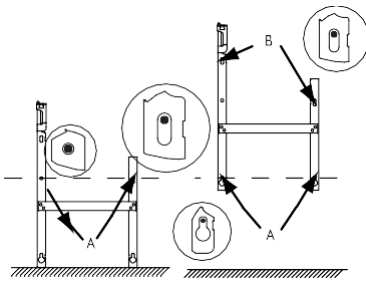
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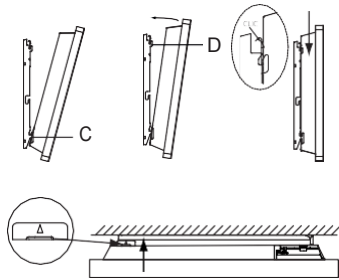
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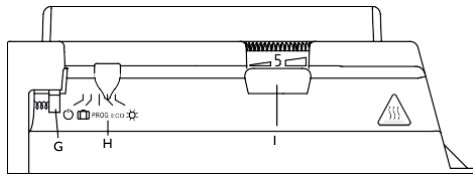
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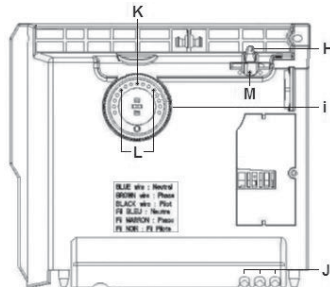
H



I



J



K

Caution (EN)



Caution very hot surface.

CAUTION: Portions of this product may become hot and cause burns. Pay particular attention to the presence of children and vulnerable people.

- Keep away from this unit child under 3 years unless they are under continuous surveillance.
- Children between 3 and 8 years should only put the unit on or off, to provided that the latter has been placed or installed in a normal position and that these children have supervision or have received instructions on using the machine safely and understand the potential hazards. Children aged between 3 and 8 years must not connect or adjust or clean the device and perform maintenance or user .
- This unit can be used by older children at least 8 years and by people with physical, sensory or mental capabilities or lack of experience or knowledge , they (if) is monitored correctly (s) or instructions for using the device safely given to them and if the risks were apprehended. Children should not play with the device . Cleaning and maintenance by the user should not be performed by children without supervision.
- This device must be plugged or connected according to the rules and standards applicable by an authorized person.
- The instruction book of this product is available by contacting the after-sales service with the number indicate on the warranty part included in this manual service.
- Do not use the device if the power cable is damaged.



Caution: to avoid overheating and for safety reasons, do not cover the panel heater.



Devices with this symbol should not be disposed with household waste but must be collected separately and recycled. The collection and recycling of end of life must be made according to the provisions and local ordinances (DEEE 2002/96/CE).



The installation of the device in high altitude causes an increase of the temperature air outlet (about 10 ° C per 1000 m elevation).

In case of mobile utilisation of the device (see applicable models below):

- Do not use this heater near a bathtub, a shower or a pool.
- Do not use this heater in small areas when they are occupied by people unable to leave the room by themselves unless if a constant supervision is provided.

Installation

Where to install your heater?

- This equipment was designed to be installed in a residence. Please ask your distributor before using it for any other purpose.
- The panel heater should be installed according to normal trade practice and in compliance with legislation in the relevant country (NFC 15-100 for France).
- The equipment is class 2 and is protected against splashed water IP 24. The device can be installed in volume 2 of a bathroom (Figure ❶). It's forbidden to install the device in the volume 1. The device is to be installed so that switches and other controls cannot be touched by a person in the bath or shower.
- Comply with the minimum clearance distances for positioning of the panel (Figure ❷).
- The wall bracket allows keeping a free space behind the device to not disturb its regulation. The distance between the unit and the wall should not be obstructed.

Do not install the panel heater

- In a draught that might affect adjustment (for example, under a central mechanical ventilation unit etc...). Under a fixed power socket (Figure ❸) or near curtains or other combustible materials.
- In a conform position,
- The air outlet grid and the control unit is visible in the upper part of the device. It is forbidden to install a vertical unit horizontally and vice versa (Figure ❹).

How to install the panel heater?

WARNING: Devices without plug can not be used in mobile version

1.3.1 Preparation

- The wall mounted installation concern all Mechanical devices and Electronic devices.

a. Release the device's hook-on bracket (Figure ❺)

- We recommend that you place the panel heater flat, face down. Have a straight head screwdriver to hand and lift the tab taking care not to deform. While holding the tab rose, push the locking bracket to the bottom of the unit to release the upper hooks. Rotate the attachment tab around the lower hooks and remove the attachment tab.

b. Fix the hook-on bracket (Figure □)

- Place the bracket on the ground and against the wall and mark the drilling points **A**. These give the position of the bottom fasteners. Replace the brackets in alignment with the drilling point **A** to locate drilling points **B**. These give the position of the upper fasteners. In case of special support, use proper anchors. Position and screw the wall brackets.





Electrical connexion

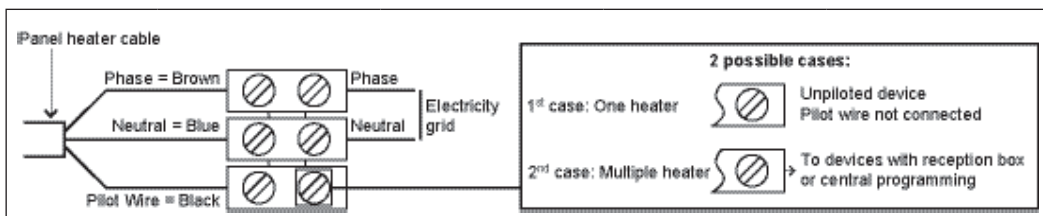
- The device should have a 230 / 50Hz power supply. The panel heater must be connected to the mains by a 2-wire cable for Mechanical Device or 3-wire cable for Electronic Device by means of a connexion box. In humid areas such as bathrooms and kitchens the power socket must be installed at least 25 cm above the floor. The installation must comply with local national regulation.

- **Connection to earth is prohibited / Do not connect the pilot wire (black) to earth.** If a driver or driven device is protected by a 30mA differential (for example for bathroom) it is necessary to protect the power supply of the pilot wire on that differential.

-The convection heater must be installed in combination with a heating controller enabling :

- 1) the setting of a week programme and one of the following functions - Open window, Remote control, Adaptive control
- 2) the setting of a week programme and remote access to heating control via the pilot wires of convection heaters

| Commands Received | No current | Complete alteration 230 V | Negative Half/alteration - 115V | Positive Half/alteration + 115V |
|--------------------------|---|---|---|--|
| Oscilloscope Ref/Neutral |  |  |  |  |
| Mode obtained | COMFORT | ECO | ANTI - FREEZE | STOP HEATING LOAD SHEDDING |



Wall mounted installation (Figure ©)

- Place the device inclined on the brackets **C** and rotates the device to place it on the brackets **D**. Lowering the device on the bracket. A click indicates that the device is attached and locked. To unlock the attachment tab, grab a screwdriver and push the tab (at the top left of the attachment tab behind the device) towards the wall. Lift the device while holding the tab with the screwdriver. Tilt it forward and remove it from the supports **C**.

Maintenance

- To maintain performances of your unit, you should clean the upper and lower grids of the unit about twice a year using a vacuum cleaner or a brush.
- Have a professional check the inside of the unit every five years. Dirt may collect on the grids of the unit if the atmosphere is polluted. This phenomenon is due to the poor quality of the ambient air. In this case, it is recommended to check that the room is well ventilated (ventilation, air inlet, etc.), and that the air is clean. The unit will not be replaced under the guarantee because of this type of dirt. The unit casing should be cleaned with a damp cloth, never use abrasive products.

How to fix the comfort mode?

(Figure □)

- The Comfort mode allows setting the desired temperature using the control knob.
- Put the switch **H** on ☀ and then set the control knob **I** on the desired position, the heating indicator **G** lights if the ambient temperature is lower than desired one. Wait until the temperature stabilizes.

| | |
|----------|---|
| G | Indicator for heating. It indicates the periods in which the resistance is working. With a stabilized temperature, it flashes and if the temperature is too high, it stops. |
| H | Slider or switch ☀ |
| I | Control knob of the temperature |

How to fix the Eco mode?

- **ECO** mode allows lowering the temperature of Comfort mode from 3 to 4°C during unoccupied periods of the room. It is recommended that this mode should be used if the room is unoccupied for more than 2 hours. Put the switch **H** on **ECO** and then set the control knob **I** to the desired position, the heating indicator **G** lights if the ambient temperature is lower than desired **ECO** temperature. Wait until the temperature stabilizes.

How to fix the Frost Free mode?


- It is the position of the switch that keeps the temperature at approximately 7 ° C in the room during prolonged absence from the house (usually more than 24 hours). Put the switch **H** on 

How to program your device in Comfort, ECO or Frost Free mode?


- Devices equipped with an electronic thermostat are able to receive orders. There are two solutions:
 - By pilot wire (black wire) for devices without plug thanks to the system Chronopass or a wall pilot wire box
 - By carrier current with an interface on each device in addition to a Chronopass system or a wall carrier current box.

How to lock the commands (Figure)?

It is possible to lock or limit the use of the control knob **I** and to lock the switch **H** to prevent manipulation. Lift the unit from the wall bracket. On the back of the thermostat, remove the pins **J** from their support:

- The **K** position allows locking the control knob.
- The **L** position allows limiting the utilisation of the control knob.
- The **M** position allows locking the H switch  on the desired mode.

Frost warning

Your device is equipped with a function to alert you when your room temperature is below 3 ° C. In this case the red light flashes. We recommend that you put your device in  mode to avoid any risk of damage to your room.

Recommendations for use

- There is no point in setting maximum heating; the room temperature will not rise any quicker. If you leave for several hours, remember to reduce the temperature.
- If you have several units in a room, let them operate simultaneously. This will give you a more uniform temperature without increasing electricity consumption. This also applies for an unoccupied room; it is more interesting to let the device operate on a lower setting than turn it off completely.

Trouble-Shooting

- **The device does not heat** : Make sure that the installation circuit breakers are switched on, or that the load shedder (if you have one) has not switched off the unit power supply. Check the air temperature in the room. For the device equipped, check that the programmer is in Comfort mode.
- **The unit is permanently heating** : Make sure that it is not in a draft and that the temperature setting has not been changed.
- **The unit does not carry out programming orders (Device equipped)** : Make sure that the programming unit is being correctly used (refer to its user's manual) or that the Chronocarte is properly inserted in its housing and that it is operating normally (batteries). The device with electronic control is equipped with a microprocessor that can be disturbed by some severe mains voltage disturbances (outside EC standards defining the disturbance protection level). If there are any problems (thermostat blocked, etc.) switch off the unit power supply (fuse, circuit breaker, etc.) for about 5 minutes to allow the unit to start again. If this phenomenon occurs frequently, control the power supply by your energy supplier.
- **The device is very hot on the surface** : It is normal that the device when working, the maximum surface temperature is limited in accordance with standards. However, if you believe that your radiator is still too hot, make sure the power is adapted to the surface of your room (we recommend 100W / m²) and the unit is not placed in a stream of air that would disrupt its regulation.

Warranty conditions

KEEP THIS DOCUMENT IN A SAFE PLACE

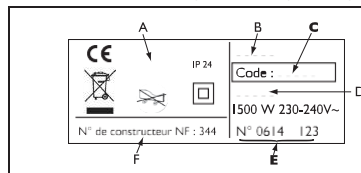
(This certificate should only be produced if you are making a complaint, attached with the invoice of the purchase)

- This guarantee is applicable for 2 years from the date of original purchase and shall be valid for no more than 30 months from the date of manufacture.
- The warranty covers the replacement and supply of accepted defective parts except damages and interest components.
- Labour costs, travel and transportation are under the responsibility of the user.
- Damage linked to an improper installation, to a supply network not complying with standards, to an abnormal using or to the non-compliance to the instructions of the manual are not covered by the warranty.
- Present this certificate only in case of claim with your distributor or installer attaching your invoice.
- The provisions of these warranty conditions are not exclusives of benefits for the purchaser of the legal guarantee for defects and hidden defects that apply in any case in terms of articles 1641 and following of the Civil Code.

DEALER STAMP

- To claim under guarantee, **contact your installer or dealer**. If necessary, contact: ATL International Tel: (+33)146836000, Fax: (+33)146836001, 58 av Gén. Leclerc 92340 Bourg-la-Reine (France).

* This information is shown on the plate which can be seen on the left-side or behind the front grille of the unit



| | |
|---|---------------------------|
| A | Standards, quality labels |
| B | Commercial name |
| C | Commercial reference |
| D | Manufacturing reference |
| E | Serial Number |
| F | Manufacturer number |

Characteristic

| Model identifier(s) : | | F117 - TAC | | | |
|---|-------------------------------|------------|------|---|------|
| Item | Symbol | Value | Unit | Item | Unit |
| Heat output | | | | Type of heat input, for electric storage local space heaters only (select one) | |
| Nominal heat output * | Pnom* | | kW | manual heat charge control, with integrated thermostat | No |
| Minimum heat output (indicative) | Pmin | = 0,00 | kW | manual heat charge control with room and/or outdoor temperature feedback | No |
| Maximum continuous heat output | Pmax,c | = Pnom | kW | electronic heat charge control with room and/or outdoor temperature feedback | No |
| Auxiliary electricity consumption | | | | fan assisted heat output | |
| Auxiliary electricity consumption | | | | fan assisted heat output | |
| At nominal heat output | elmax | 0,000 | kW | Type of heat output/room temperature control (select one) | |
| At minimum heat output | elmin | 0,000 | kW | single stage heat output and no room temperature control | No |
| In standby mode | eISB | 0,000 | kW | Two or more manual stages, no room temperature control | No |
| | | | | with mechanic thermostat room temperature control | No |
| | | | | with electronic room temperature control | No |
| | | | | electronic room temperature control plus day timer | No |
| | | | | electronic room temperature control plus week timer | Yes |
| Other control options (multiple selections possible) | | | | | |
| | | | | room temperature control, with presence detection | No |
| | | | | room temperature control, with open window detection | No |
| | | | | with distance control option | Yes |
| | | | | with adaptive start control | No |
| | | | | with working time limitation | No |
| | | | | with black bulb sensor | No |
| Contact details | Idem information label | | | | |