

# CONVECTAIR

## PICCOLO

7831



## Installation & Operating Instruction

( IMPORTANT : To be read and kept by the user )

## - INTRODUCTION -

Dear owner,

Congratulations on the purchase of this premium electric heater.

**CONVECTAIR** develops and produces the highest quality heating product in the electrical industry.

To obtain the best results and the ultimate in performance and comfort, please take a moment to read the installation, operation and maintenance instructions detailed in this manual.

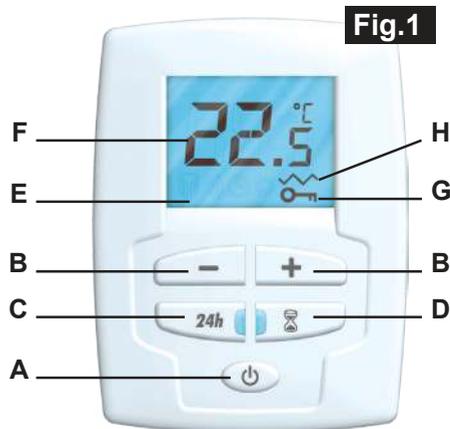
### **WARNING :**

Your heater is already equipped with a precise electronic thermostat. It must not be connected to a wall thermostat

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- A- On / Standby key
- B- Temperature setting keys
- C- Auto programming function 24H
- D- Timer function
- E- Backlit LCD screen
- F- Temperature display
- G- Locked controls indicator
- H- Heating indicator symbol



**Electrical requirements : 240 V - 60 Hz**

See pages 6 et 7 and 8.

**Installing and connecting the heater :**

See pages 5, 6, 7 and 8.

**To shut off heater operation:**

Press the  key briefly

**To set the desired temperature :**

Using the + and – keys, you can raise or lower the desired temperature (see page 9)

**Fast heat :**

Turn the heater on.

Press on the (  ) key, the heater will run full power (1500 W) for the duration set on the timer.

**Troubleshooting :**

See page 12.

**To contact Convectair :**

See page 12.

## 1 SPECIFICATIONS

- Your new PICCOLO is a fan heater partially enclosed.
- This heater is equipped with 2 fan forced heat levels : 750 W regulated with the electronic thermostat and 1500 W fast heat on demand.
- Minimum obstruction and designed to heat your room quietly, consistent heat, it is a perfect heater for your bathroom or other intermittently-used rooms.
- Your PICCOLO can be used with the optional **CONVECTAIR** Programmer Module (pilot wire) allowing scheduled temperature set-backs in periods of prolonged absence providing the same comfort and more savings.

| Model#     | Volts, cycles | Capacity       | Height<br>(Front Panel)          | Width<br>(Front Panel) | Depth<br>(Front Panel) | Height<br>(built-in)             | Width<br>(built-in)              | Depth<br>(built-in)              | Weight              |
|------------|---------------|----------------|----------------------------------|------------------------|------------------------|----------------------------------|----------------------------------|----------------------------------|---------------------|
| 7831 - C15 | 240V<br>60 Hz | 750 W / 1500 W | 15 <sup>3/4</sup> in.<br>(40 cm) | 15 in.<br>(38 cm)      | 7/8 in.<br>(2.2 cm)    | 14 <sup>1/2</sup> in.<br>(37 cm) | 12 <sup>3/4</sup> in.<br>(31 cm) | 3 <sup>3/8</sup> in.<br>(8.5 cm) | 12.4 lb<br>(5.6 Kg) |

### READ CAREFULLY :

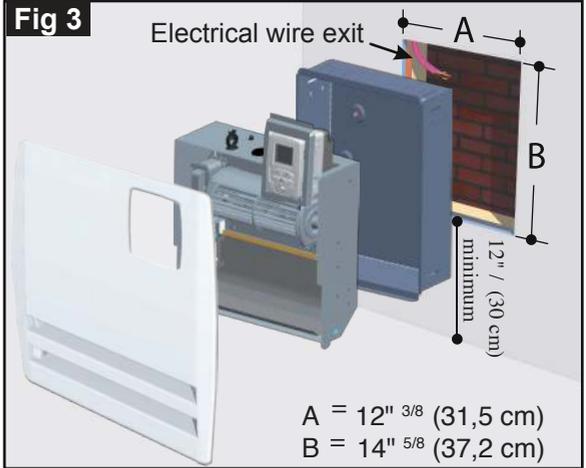
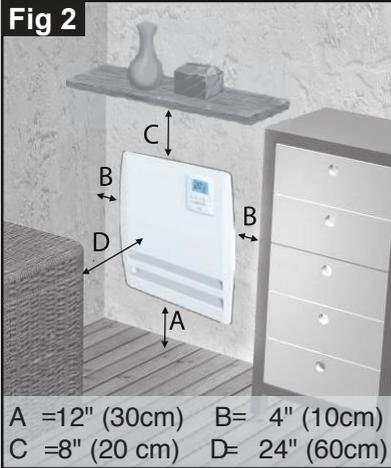
These instructions are essential to install and use your new PICCOLO safely.

## 2 RECOMMENDED SET-UP

- Your heater must be installed in accordance with national and local codes and **CONVECTAIR** recommends an installation by a qualified electrician.
- Your heater must be installed so that the control panel is out of reach from anyone in the bath-tub or in the shower. Do not install over a bath-tub or spa.
- Do not install the heater behind a door, furniture or others obstacles, or in front of an air exhaust vent. Keep combustible materials such as curtains, away from the heater.
- Your heater is equipped with a heating element that may reach high temperatures. Do not install or operate in the presence of gasoline, paint solvents or other flammable products.
- Maintain the minimum required clearances (height from floor, distances from side walls or furniture, drapes, etc...)(Fig. 2).

### 3 INSTALLATION AND MOUNTING

- Identify where you want to install the heater, providing sufficient clearance around the unit.

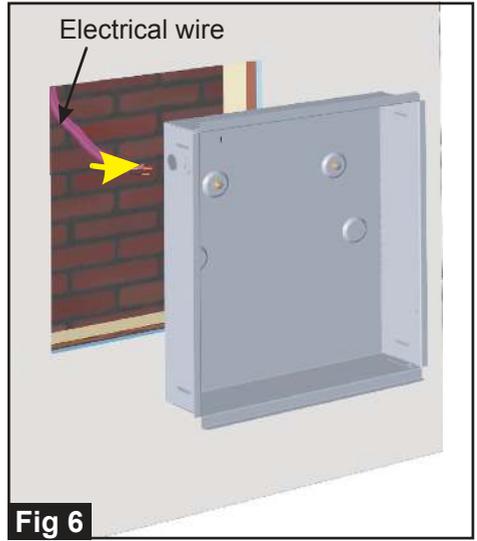
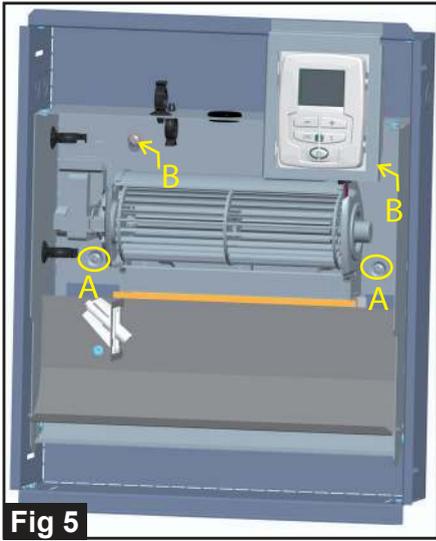


- The PICCOLO heater is partially enclosed and clearance restrictions must be respected. The heater should be installed no lower than 12 in. (30 cm) from the floor. Leave a minimum clearance of 4 in. (10 cm) on each side of the heater, 8 in. (20 cm) and 24 in. (60 cm) in front for a proper air circulation.
- Clear a rectangular opening of 14 <sup>5</sup>/<sub>8</sub> in. (37.2 cm) high, 12 <sup>3</sup>/<sub>8</sub> in. ( 31.5 cm) wide and 3 <sup>1</sup>/<sub>2</sub> in. ( 9 cm) in deep between the wall studs (Fig. 3).
- Make sure that the electrical wires (and the pilot wire if needed) come out of the top left corner of the wall opening (Fig.3).
- The heater can be dismantled in 3 pieces (Fig.3) : the front panel (1), the ventilation block and panel controls (2) and the enclosure box (3).

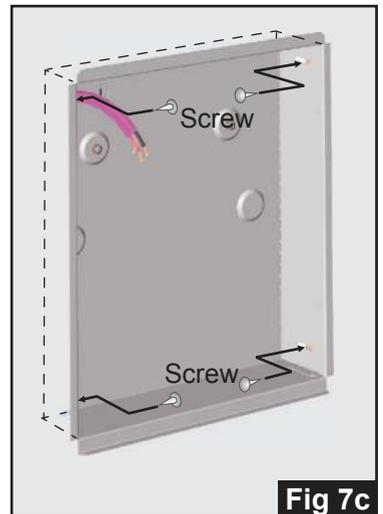
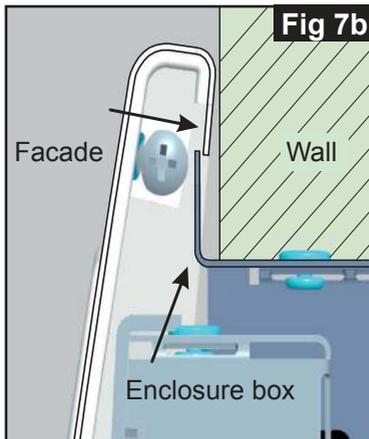
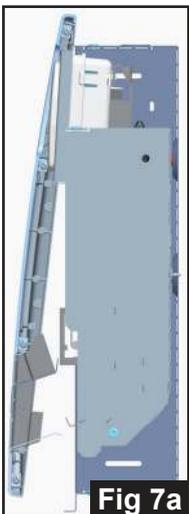
To dismantle the heater :

- Take off the facade by removing the 2 screws located at the bottom of the facade (Fig. 4).
- Take off the ventilation block by removing the 2 screws (Fig. 5, A) and slide the ventilation block to clear the hooks (Fig. 5, B).

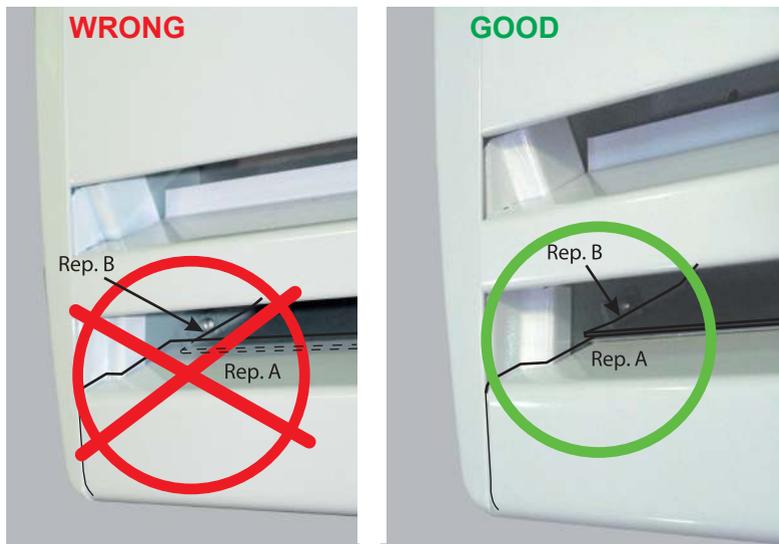




- Before placing the enclosure box inside the wall opening, remove the knock out and pass the electrical wires (Fig.6), and the pilot wire if needed, using an appropriate bushing ( not included).
- Insert the enclosure box and secure it to the wall with appropriate hardware (Fig 7c) having taken into account the reassembly of the facade. Indeed, leave approximately 1/8" (3 mm) between the wall and the upper fold of the inner box to facilitate the assembly of the facade (see Fig. 7a et 7b).
- Insert and hook the ventilation block and the control panel inside the enclosure box. Secure the ventilation box with 2 screws (Fig.5).



- Connect the electrical wires (see chapter 4 -Electrical connection, page 8).
- When remounting the front facade, please make sure that the lower fold of the front panel (Rep. A) is inserted below the deflector of ventilation block (Rep.B), and this to guarantee optimal performances.
- Place and hook the facade using the enclosure box top crease. Secure the facade with 2 screws.



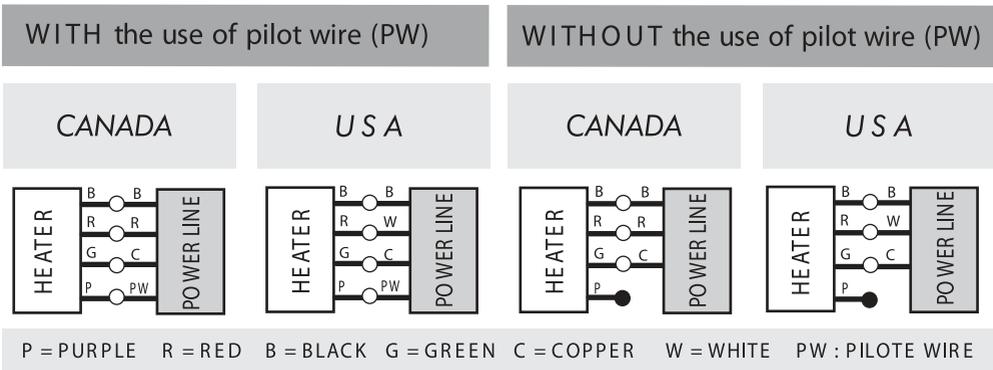
**WARNING : Do not pinch wires when closing the facade.**

## 4 ELECTRICAL CONNECTION

- **CONVECTAIR** recommends that your heater be installed by a qualified electrician and in accordance with national and local codes.
- This heater must be connected to a 240 Volt (60 cycles) circuit. Disconnect the power supply before making wiring connections to prevent electrical shock and equipment damage. If you are using a programmer system, make sur to cut the power off ALL electrical heating circuits in the home
- The connection of the heater must be done inside the inner box on the left side of the control panel. Connect the wires using the wire connectors provided in the bag (Fig.9)
- To prevent short circuits and electrical shocks turn the power off at the main panel before attempting the installation or making any repairs.
- If the power cable is damaged it must be replaced by the manufacturer, an approved service depot or a technician with similar qualifications to avoid any danger.



### RESPECT WIRE COLOR WIRING



- You must connect the ground wire of the heater (green wire) with the copper wire.
- The purple wire with the seal at the extremity should not be used for the electrical connection.
- The purple wire is used only if the heater is connected with the **CONVECTAIR** central programming system.

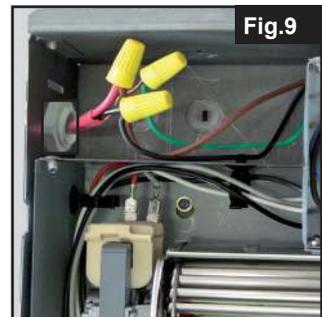
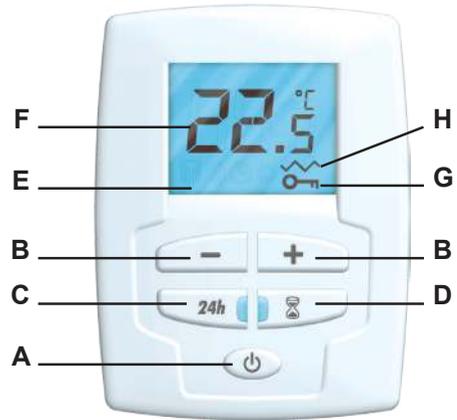


Fig.9

- A- ON / Standby key
- B- Temperature setting keys
- C- Auto programming function 24H
- D- Timer function
- E- Backlit LCD screen
- F- Temperature display
- G- Locked controls indicator
- H- Heating indicator symbol



### - To turn the heater ON

Press on the  key on the control panel.

The screen turns on, the button turns green, your device is running.

### - To shut off heater operation

Press on the  key on the control panel.

The green light turns orange, the screen turns off, the heater is in standby

### - To set the desired temperature

Using the + and – keys, you can raise or lower the desired temperature as you wish by 1°F (0.5°C) each time the key is pressed, between 45°F and 82°F (7°C and 28°C).

### - To change display in °C or °F

Shut off the heater operation. Simultaneously press keys " " and "+" and hold for 3 seconds to switch display in °C (Celsius) or °F (Fahrenheit).

### - The «Timer » function

This function allows an immediate and additional 750 W of heat during a time determined period(from 5 to 90 minutes). So you are using your device in its full power unregulated, ie: 1500 W .

### **- To use the «Timer » function**

Pressing the «  » button triggers the «Timer » function for a period of 15 min (default). The red indicator lights. Successive presses on «-» and «+» allow to modify the duration between 5 and 90 min in steps of 5 min. Hold the «  » key for 3 seconds to select the new default duration.

### **- To stop the « Timer » function**

The «Timer » function stops automatically once the time has elapsed, or by pressing on the «  » to stop the function (the red indicator turns off, the display shows the desired temperature).

### **- To lock the controls**

This function locks any manipulation of the thermostat to prevent tampering, particularly by children. Only the «Timer » function can be activated.

Press simultaneously for 3 seconds the «  » and «+» keys to activate this function. The display shows «  » indicating the control panel is locked.

### **- To unlock the controls**

To unlock the control panel, press again simultaneously for 3 seconds the «  » and «+» keys. The lock symbol «  » is no longer displayed.

### **- To activate and set the « Auto Cycle 24H »**

You enter every day at the same time in your bathroom and you like to have this feeling of warmth. The « Auto Cycle 24H » is handled automatically by setting the «Chrono» time.

### **- To set the « Chrono » time**

- The « Chrono » time is the time at which you want the bathroom to be warm every day.
- Press on the « 24H » key. The light indicator stays on and the function is activated.
- To disable it, use the same procedure (pressing the « 24H » key).
- If no « Chrono » time is set when the command is activated, the indicator flashes, indicating that the « Auto Cycle 24H » cannot be activated.
- To set the « Chrono » time, press 3 seconds on the « 24H » key. This causes a slow blink of the « 24H » light indicator for 3 seconds, thus validating the actual time as the « Chrono » time.
- If the « Auto Cycle 24H » is activated, the device will do a preheat of 15 minutes on regulated power, then another 15 minutes on full power before the « Chrono » time. At this time, it activates the timer for the duration saved by default.
- IN CASE OF POWER FAILURE, ALL SETTINGS WILL BE LOST.

## 6 OVERHEAT CONTROL

This heater is equipped with overheat controls.

**In case of a malfunction of the unit :** if the blower stops abnormally, turn its power supply off. Verify that the air inlet and outlet are not obstructed. Clean if necessary, after about 5 minutes, put the heater back on.

## 7 MAINTENANCE

To keep your **CONVECTAIR** unit clean, regular maintenance is suggested. To remove dust, use a soft cloth. To remove a stain, use a damp cloth.

For a better performance and maximum efficiency, it is suggested that dust and lint be regularly removed from the protective grill situated in front of your PICCOLO.

**NEVER USE ABRASIVE OR ACETONE-BASED PRODUCTS TO CLEAN YOUR HEATER AS THIS MAY DETERIORATE THE EPOXY FINISH.**

**ANY REPAIR ON YOUR CONVECTAIR HEATER SHOULD ONLY BE DONE BY A QUALIFIED TECHNICIAN, AND ONLY AFTER HEATER HAS BEEN DISCONNECTED.**

### Recommendations and advice

Your **CONVECTAIR** heater will become hot when in use. Caution is advised when young children are present.

Do not insert small objects in the heater : this could cause an electrical short circuit, fire or damage to the inner components.

Any use or modifications not approved by **CONVECTAIR** may cause electrical short circuits, fire or injuries to the users.

In certain cases, it is possible for yellowing of the surface to occur over time.

This is not due to a manufacturing defect. This is caused by surrounding air, which may contain smoke or dust, being heated and circulated through the heater.

**Prevention : it is suggested that surfaces be frequently cleaned especially with units installed in locations where cigarette smoke is present or in the kitchen. Never use this heater during construction work or other activities that generate a lot of dust.**

The first time your **CONVECTAIR** heats, a light smoke could be released. This is normal and should disappear after about 2 to 3 minutes.

## 8 TROUBLESHOOTING

Before calling your electrician, please go through these simple checks :

- 1- Make sure the breaker in the distribution panel is in the «ON» position.
- 2- Check that the ON /Standby key is green.
- 3- Activate the timer function.
- 4- If no heat is emitted, check the overheat protection (see section 6).
- 5- If the light is still off, and no heat is generated, call CONVECTAIR or the nearest **CONVECTAIR** service center.

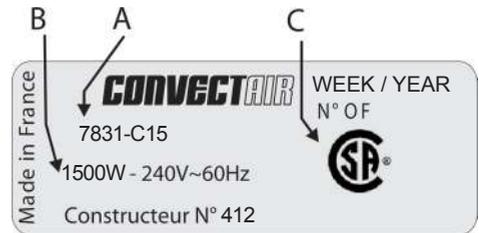
## 9 IDENTIFICATION OF YOUR HEATER

**IMPORTANT : PRODUCT INFORMATION APPEARS ON THE HEATER'S IDENTIFICATION LABEL.**

The identification label is located on the inside of the heater (visible through the superior opening of the facade).

It includes :

- The complete model number and its production reference number (A) that must be included in any warranty claim.
- Capacity (B).
- Standard certification (C).



## 10 WARRANTY INFORMATION

**2 years against all defects / 5 years on heating element.**

All **CONVECTAIR** heaters are subjects to a double warranty : 2 years on all parts and manufacturing defects and 5 years on the heating element itself.

Warranty is applicable from date of purchase by the customer and under certain specific conditions. All details furnished with each heater. Please keep your invoices (purchase and / or installation).

### SERVICE CENTERS :

Contact **CONVECTAIR** to find closest service center:

- Toll-free : 1 800 463-6478
- Website : [www.convectair.com](http://www.convectair.com)

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