

# CONVECTAIR

## APÉRO

7359



## Installation & Operating Instructions

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

## - FOREWORD -

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 :**

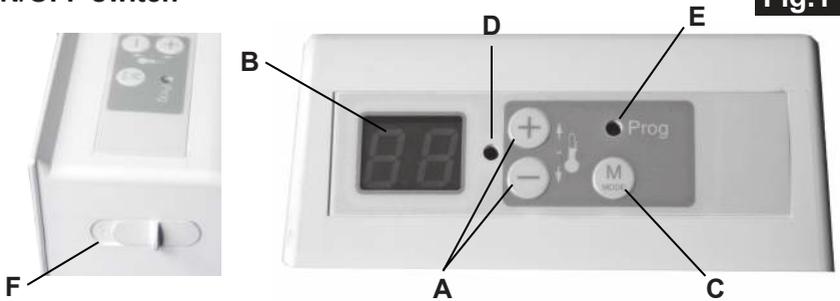
Your heater is already equipped with a precise electronic thermostat. **IT MUST NOT BE CONNECTED TO A WALL THERMOSTAT.**

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## - QUICK START GUIDE -

- A- Temperature setting keys
- B- Temperature setting and heating mode display
- C- Mode selection key
- D- Heating indicator
- E- Programmer mode indicator
- F- Sliding ON/OFF switch



Electrical requirements 240 V - 60 Hz :

See page 6.

Installing and connecting the heater :

See pages 5 and 6.

To turn the heater ON :

Place the sliding "ON / OFF" switch located on the right of the heater at "1" (F).

To change the temperature :

Using the "+" and "-" (A) keys, you can raise or lower the temperature setting to reach the desired level of comfort (see page 7).

Troubleshooting :

See page 12.

To contact CONVECTAIR :

See page 12.

# 1 SPECIFICATIONS

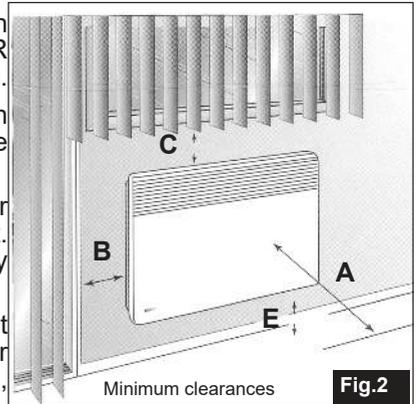
- Your new APÉRO is a convection heater designed to heat your room quietly with consistant heat, it is a perfect heater for living spaces, kitchens or other rooms.
- Your APÉRO is compatible with the CONVECTAIR Programmer Module (must be connected through the pilot-wire to another Convectair heater equipped with the Programmer module) allowing scheduled temperature set-backs in periods of prolonged absence providing the same comfort and more savings.
- The APÉRO is also compatible with the wall mount controller AWC.

Model	Colours BB = White HS = Charcoal	Voltage (Volts)	Capacity (Watts)	Width		Height		Depth		Weight	
				cm	in	cm	in	cm	in	kg	lb
7359 - C05	BB	240	500	34	13 3/8	44,5	17 3/4	10	4	3,1	6,9
7359 - C07	BB / HS	240	750	34	13 3/8	44,5	17 3/4	10	4	3,3	7,2
7359 - C10	BB / HS	240	1000	42	16 1/2	44,5	17 3/4	10	4	3,7	8,1
7359 - C12	BB	240	1250	50	19 5/8	44,5	17 3/4	10	4	4,1	9,1
7359 - C15	BB / HS	240	1500	58	22 7/8	44,5	17 3/4	10	4	4,8	10,7
7359 - C17	BB	240	1750	66	26	44,5	17 3/4	10	4	5,3	11,7
7359 - C20	BB / HS	240	2000	74	29 1/8	44,5	17 3/4	10	4	5,9	13,1
7359 - C28	BB	208	2000	74	29 1/8	44,5	17 3/4	10	4	5,9	13,1

# 2 RECOMMENDED SET-UP

**READ CAREFULLY:** These instructions are essential to install and use your new APÉRO safely.

- Your heater must be installed in accordance with national and local codes and CONVECTAIR recommends an installation by a qualified electrician.
- Do not cover or obstruct the air intake or outlet on the unit as this could cause overheating and damage the heater.
- 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 fuels such as gasoline, paint solvents or other flammable products.
- Do not install your heater under an electrical outlet.

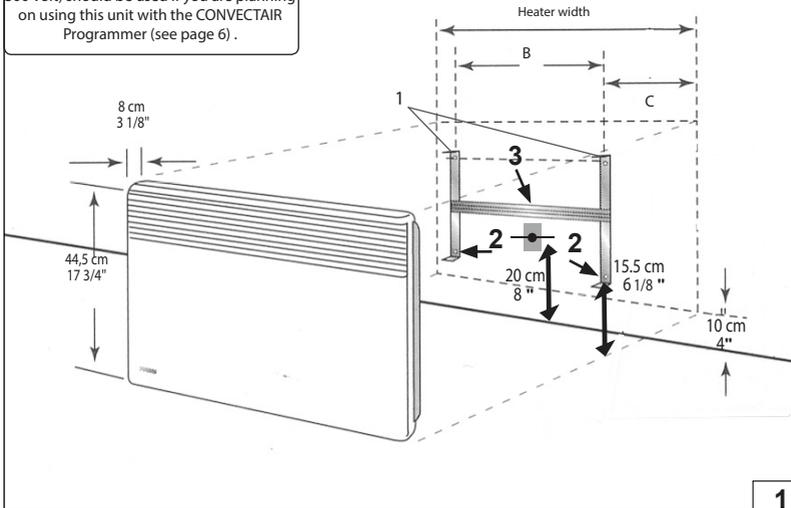


**CAUTION: PLEASE MAINTAIN THE MINIMUM REQUIRED CLEARANCES (Fig. 2). CONVECTAIR RECOMMENDS AN INSTALLATION HEIGHT OF 10CM (4 IN).**

Minimum clearances	In front (A)	Sides (B)	Above(C)	Underneath (E)	Recommended height
7359-CXX-BB/HS	50 cm (20 in)	15 cm (6 in)	10 cm (4 in)	10 cm (4 in)	10 cm (4 in)

Figure 3A

**IMPORTANT :**  
3 conductor wiring (FAS 105 18/2 approved 300 Volt) should be used if you are planning on using this unit with the CONVECTAIR Programmer (see page 6) .



WATTS	Heater width		B		C	
	cm	in	cm	in	cm	in
500	34	13 3/8	12	5	10	4 1/8
750	34	13 3/8	12	5	10	4 1/8
1000	42	16 1/2	20	8 1/4	10	4 1/8
1250	50	19 5/8	20	8 1/4	14	5 3/4
1500	58	22 7/8	17	7	20	7 7/8
1750	66	26	24	9 3/4	20	8 1/8
2000	74	29 1/8	32	12 5/8	21	8 1/4

**Note :** To center the heater horizontally, use the hole indicated by the number 3 Fig. 3A & 3B.

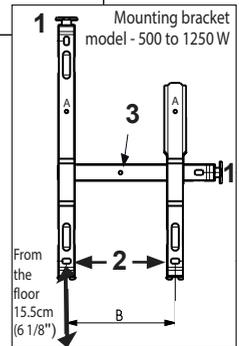


Fig. 3B

To install the heater at 10 cm (4 in) from the floor (recommended height by CONVECTAIR) follow these steps:

- 1- Free mounting brackets by pressing and pulling both locking brackets on the back of the heater (no. 1 Fig. 3A & 3B).
- 2- Place the center of the mounting bracket's bottom holes ( no. 2 Fig. 3A & 3B ) at 15.5 cm (6 1/8 in) from the ground and make a mark.
- 3- Check horizontality of the mounting bracket (see note), then mark and pierce the 4 holes for fastening.
- 4- Replace mounting bracket and fasten it appropriately with screws (not included).

- **WARNING :** To prevent short circuits and electrical shocks turn the power off at the main panel before attempting the installation or making any repairs. If you are using a programmer system, make sure to cut the power off **ALL** electrical heating circuits of the heaters wired to the pilot wire.
- 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 and with an appropriate breaker.
- The first time your Convectair heats, a light smoke could be released due to the burning of production residues. This is normal and should disappear after 2 to 3 minutes.

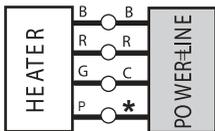


## RESPECT WIRE COLOR WIRING

WITH the use of pilot wire (PW)

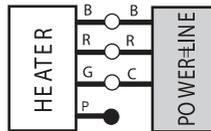
WITHOUT the use of pilot wire (PW)

### CANADA



\*= Cables 3/12 or FAS  
105 18/2 approved 300  
volt.

### CANADA



P (PW) = PURPLE R = RED B = BLACK G = GREEN C = COPPER

- You must connect the ground wire of the heater (green wire) with the copper wire.
- Never connect the pilot-wire (purple wire) to the electrical supply nor ground it.
- The purple wire with the seal at the extremity should not be used for the electrical connection. It is used only if the heater is connected with the CONVECTAIR Programmer system or the wall mount controller AWC.
- Fix the unit on the wall bracket before turning the power back on.

## 5 OPERATING INSTRUCTIONS

Your CONVECTAIR heater operates in short cycles of heating and standby. The red indicator light tells you when the heater is on. The heater will always remain warm and ambient temperature will remain constant. It is normal in very cold temperatures for the heater to become hotter.

### A- Temperature setting keys

### B- Temperature setting and heating mode display

### C- Mode selection key

### D- Heating indicator

### E- Programmer mode indicator

### F- Sliding ON/OFF switch

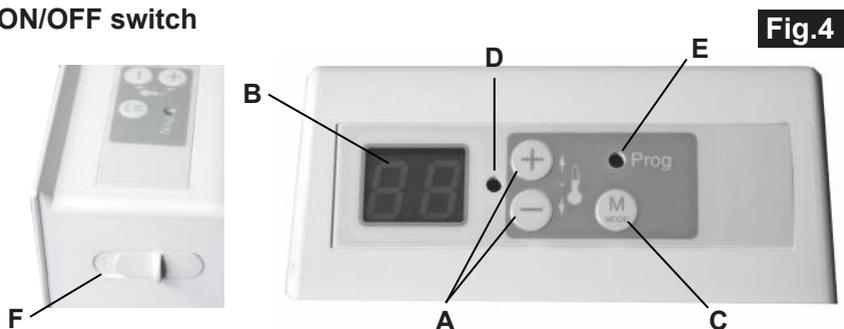


Fig.4

### The following 5 settings can be accessed with the Mode selection key:

COMFORT	Shows the temperature setting	The heater maintains the desired comfort temperature.
ECONOMY	EC	Maintains the room temperature in economy mode (night setback).
FROST PROTECTION	HG	Maintains the room temperature at the frost protection mode (7°C or 45°F).
STANDBY (NO HEAT)	--	The heater stops heating.
PROGRAMMER	Indicates the received signal (the "PROG" indicator lights up)	Allows the heater to respond to signals sent by the CONVECTAIR Programmer (only functional if connected with the pilot wire).

### - Turning the power ON or OFF

Place the sliding switch located on the right side of the thermostat to "1" position to turn the heater ON.

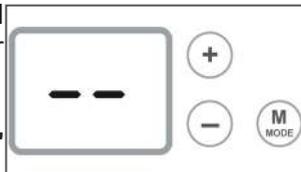
To turn the heater completely OFF, place the switch in the "0" position.

Sliding ON/OFF switch



## - Turning the thermostat ON or STANDBY

To start the heater press the **"MODE"** key. The display will show the current thermostat comfort temperature setting, (for example 19°C (66°F)).



To place the heater on Standby (no heat), press the **"MODE"** key repeatedly until the display shows "--".

**Note** : current temperature settings are kept in memory.

## - Changing the temperature

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

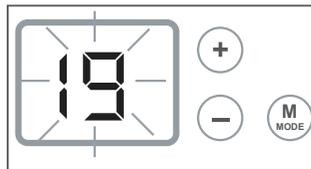
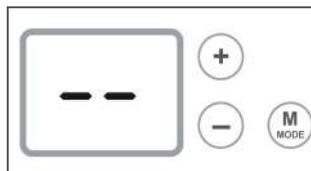
## - To change display in °C or °F

Place the heater on Standby ("- -"). The two bars will show on the display.

Press simultaneously on "+" and **"MODE"** for 3 seconds.

The display flashes the temperature setting in the chosen scale (°C or °F) and then returns to Standby ("--").

Press the **"MODE"** key again to display the temperature setting in the new scale.

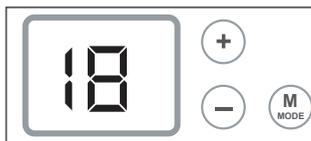
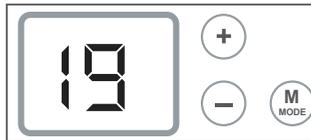


## - To set the desired temperature

Using the "+" and "-" keys, you can raise or lower the setting by 1°C (2°F) each time the key is pressed.

To confirm this comfort level, close the doors and windows of the room where the heater is located; wait a few hours to allow the temperature to stabilize at the desired comfort level.

If the temperature does not satisfy you, adjust the temperature once again with the "+" and "-" keys.



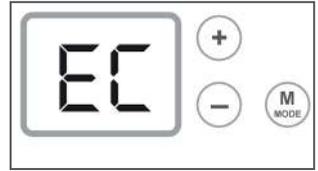
### - Setback (Economy) Mode

In the case of short-term absences (between 2 and 24 hours), it is recommended, for added energy savings to use this mode. When the heater is in EC Mode, it will maintain the temperature at around 3°C (5°F) lower than the comfort temperature.

Press the **"MODE"** key briefly until the letters "EC" appear on the display indicating the economy mode is selected.

While in EC mode, press the "+" or "-" key. The EC temperature setting will appear on the display.

The default setting is 3°C or 5°F below the comfort temperature.



### - To change the "EC" temperature

Press and maintain the **"MODE"** key until the temperature value starts to blink.

Release the **"MODE"** key and adjust the temperature using the "+" or "-" keys. Press **"MODE"** to confirm the setting.

**Note:** the EC temperature is relative to the comfort temperature. If the comfort setting is changed, the EC temperature will change automatically to maintain the same difference between the two values.

### - Frost protection mode "HG":

In case of a long term absence (more than 24 hrs.), the HG mode will maintain the room temperature at 7°C (45°F). You can reduce your energy consumption while maintaining a minimum safe temperature (depending on your region).

Press the **"MODE"** key until the display shows : "HG".



### - Locking the heater controls

This function locks any manipulation of the thermostat to prevent tampering, particularly by children.

Press both the "+" and the "-" keys at the same time and hold for 3 seconds. The display will blink to show that the keyboard is locked.



Pressing any key when the keyboard is locked will cause the screen to display «FF» and the heater will not respond.

### - To unlock the heater controls

Press and hold both "+" and "-" keys at the same time for 3 seconds.

## - Program Mode (To be used only when connected to the Programmer module)

This mode allows the heater to respond to instructions from a central programmer system or from an individual Programmer module such as the CONVECTAIR Programmer.

Press on the **"MODE"** key until the Program mode indicator turns on.

PROGRAMMER SIGNAL	DISPLAYED ORDER	HEATER OPERATION
Heater OFF	 	Heater goes on standby (no heat).
Economy	 	Temperature is lowered by 3°C (5°F) from the comfort setting (or as selected).
Frost protection	 	Maintains the room temperature at 7°C (45°F) frost-free.
Comfort	 	Maintains the temperature of the room at the chosen comfort level.

### **Note :**

Frost protection instructions from a Programming system will override all other settings even if a heater is not set in the Program Mode.

In that case, the heater screen will display the appropriate symbol (see table above) but the Programmer mode indicator light will be flashing.

CHOSEN MODE	SIGNAL FROM PROGRAMMER OR CENTRAL PROGRAMMING SYSTEM	
	FROST PROTECTION	STANDBY (NO HEAT)
19 °C (comfort)	 	 
EC		
HG		

## - Using the heater with the wall mount controller (AWC)

When using a wall mount controller instead of the built-in thermostat display panel, the control panel of your heater becomes inactive.

When a key is pressed, the screen will display "AU", then show the temperature setting set by the AWC. The instructions sent by the AWC will have a priority.

### **Warning:**

Connecting the electric heater to an AWC will permanently reprogramm its thermostat. For the heater to be reused independently, it must be reinitialized by pressing the **"MODE"** and **"-"** keys at the same time for ten (10) seconds.

\* For more information on the AWC, contact CONVECTAIR or visit our website: [convectair.com](http://convectair.com).

## 6 OVERHEAT CONTROL

This heater is equipped with an automatic reset overheat protection. In case of a malfunction of the unit (blocked air output or intake), the heater will stop heating automatically.

To reset the heater :

Check that the front panel, top and bottom of the heater are free of obstruction. Once the obstruction is removed and the heater cools down, the overheat control will reset automatically.

## 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 louvers situated in front of your APÉRO.

**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 THE 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. This is particularly the case with "white" heaters and may translate in an important coloring of the unit.

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

## 8 TROUBLESHOOTING

Before calling CONVECTAIR, please go through these simple checks :

- 1- Open and reset the breaker in the main panel.
  - 2- Check that the sliding "ON /OFF" switch on the control panel is at "1".
  - 3- Check that the heater is not in Economy or Frost protection mode.
  - 4- Remove any obstruction from the inlet/outlet louvers and reset the overheat control.
- If the indicator light is still off, and no heat is generated, call CONVECTAIR at 1 800 463-6478 or contact the nearest Service Center.

Note: For an APÉRO connected to an AWC from CONVECTAIR, please refer to the AWC installation manual.

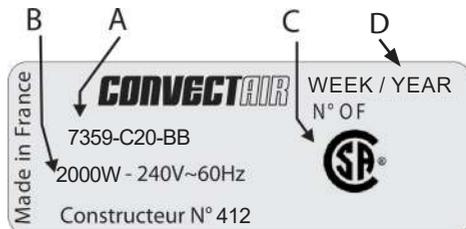
## 9 IDENTIFICATION OF YOUR HEATER

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

The identification label is located on the back of the heater.

It includes :

- The complete model number, capacity, colour (A) and its production reference number (D) 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.

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).

To register your product warranty you may fill out the form available on our website OR by fill out the paper form included with the heater.

Unauthorized modification of the heater will contravene with the product warranty.

### SERVICE CENTERS :

Contact CONVECTAIR to find the closest service center:

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

# CONVECTAIR

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