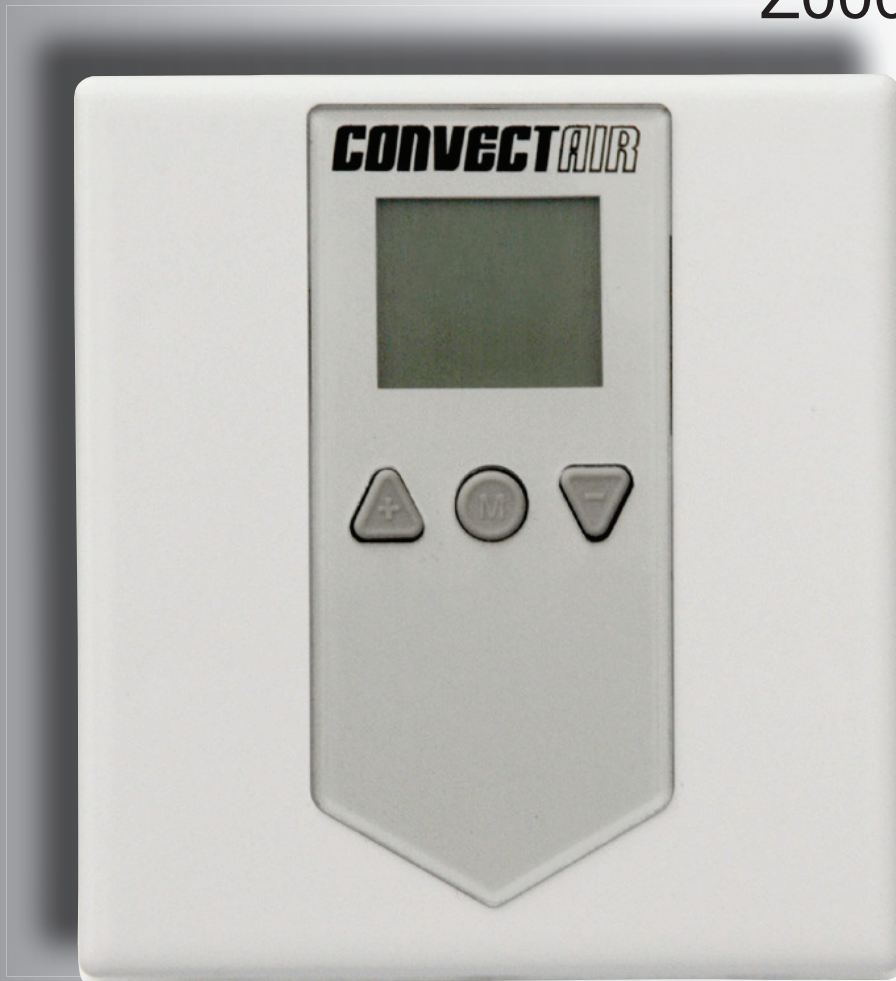


CONVECTAIR

Apéro Wall-Mount Controller (AWC)

Z000 - 900 - 002



Operating Instructions

Installation and Warranty

(To be read and kept by user)

Foreword :

Dear consumer,

- Congratulation on the purchase of your new CONVECTAIR Apéro Wall-Mount Controller (AWC).
- CONVECTAIR designs and manufactures high quality products for the electrical industry.
- For maximum comfort and utmost efficiency of your heater, please read the installation and operation instructions contained in this manual.

TABLE OF CONTENTS

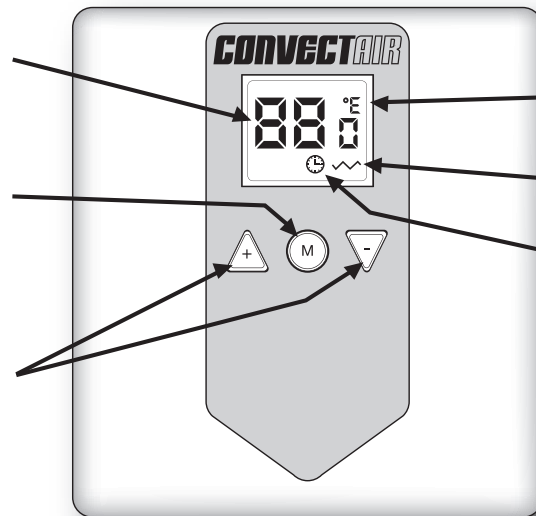
1.	- Quick start	page 3
2.	- Description	page 6
3.	- Installation	page 7
4.	- Operation	page 10
5.	- Troubleshooting	page 17
6.	- Technical Specifications	page 19
7.	- Warranty	page 20

1 Quick start

Set temperature and modes display

Mode

Setting the temperature



Units of measure Celsius/Farenheit

Heat indicator

Daily repetition indicator

The Apéro Wall-Mount Controller (AWC) replaces a wall thermostat using the existing wires. It makes it possible to remotely adjust the temperature of one or more CONVECTAIR Apéro Digital heaters (model 7359).

Warning



The Apéro Wall-Mount Controller works **ONLY** with CONVECTAIR Apéro Digital heaters (model 7359). See restrictions on page 6.

Power supply : 240 V

Disconnect power at circuit breaker panel prior to installation.

Installation and connection

See diagrams on pages 6 and 8

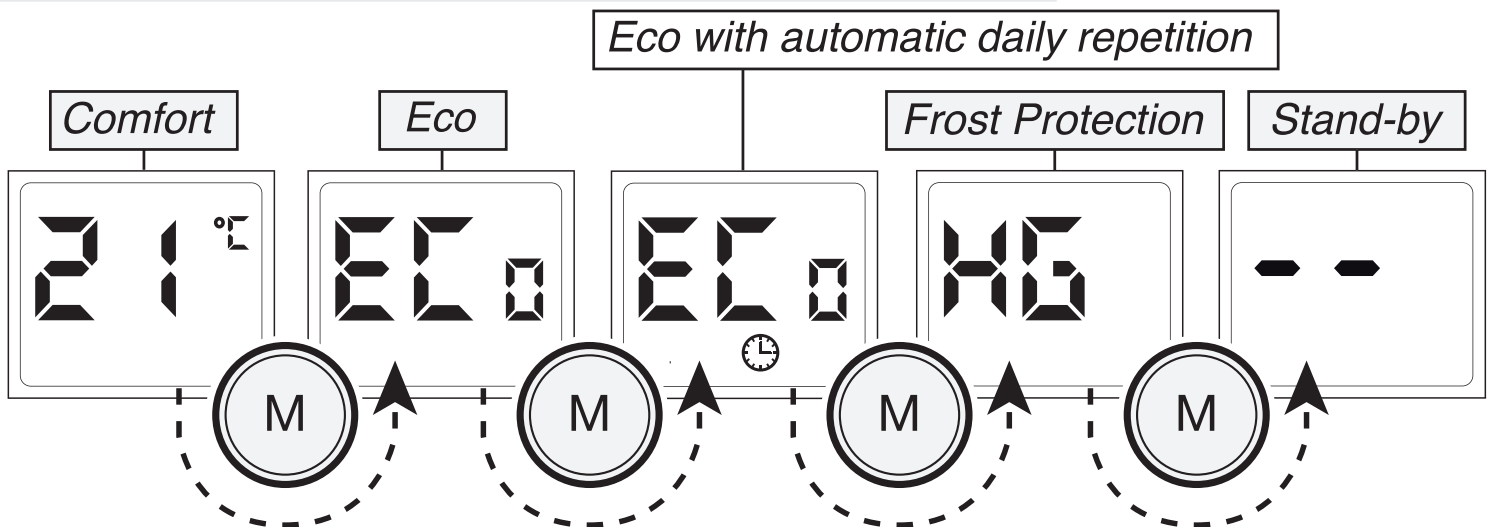
Start-up

Once the connections are made, restore power to the breaker. The AWC will show 21 °C and the installation will be functional in Comfort mode (page 12).

Setting the temperature

▲ and ▼ increases or decreases the desired temperature (page 13).



To change mode



Select unit of temperature °C or °F

In Stand-by mode, simultaneously press  and  for 3 seconds (page 12)

Lock or unlock the controls

In the desired mode, simultaneously press  and  for 3 seconds (page 16)

Troubleshooting

(page 17).

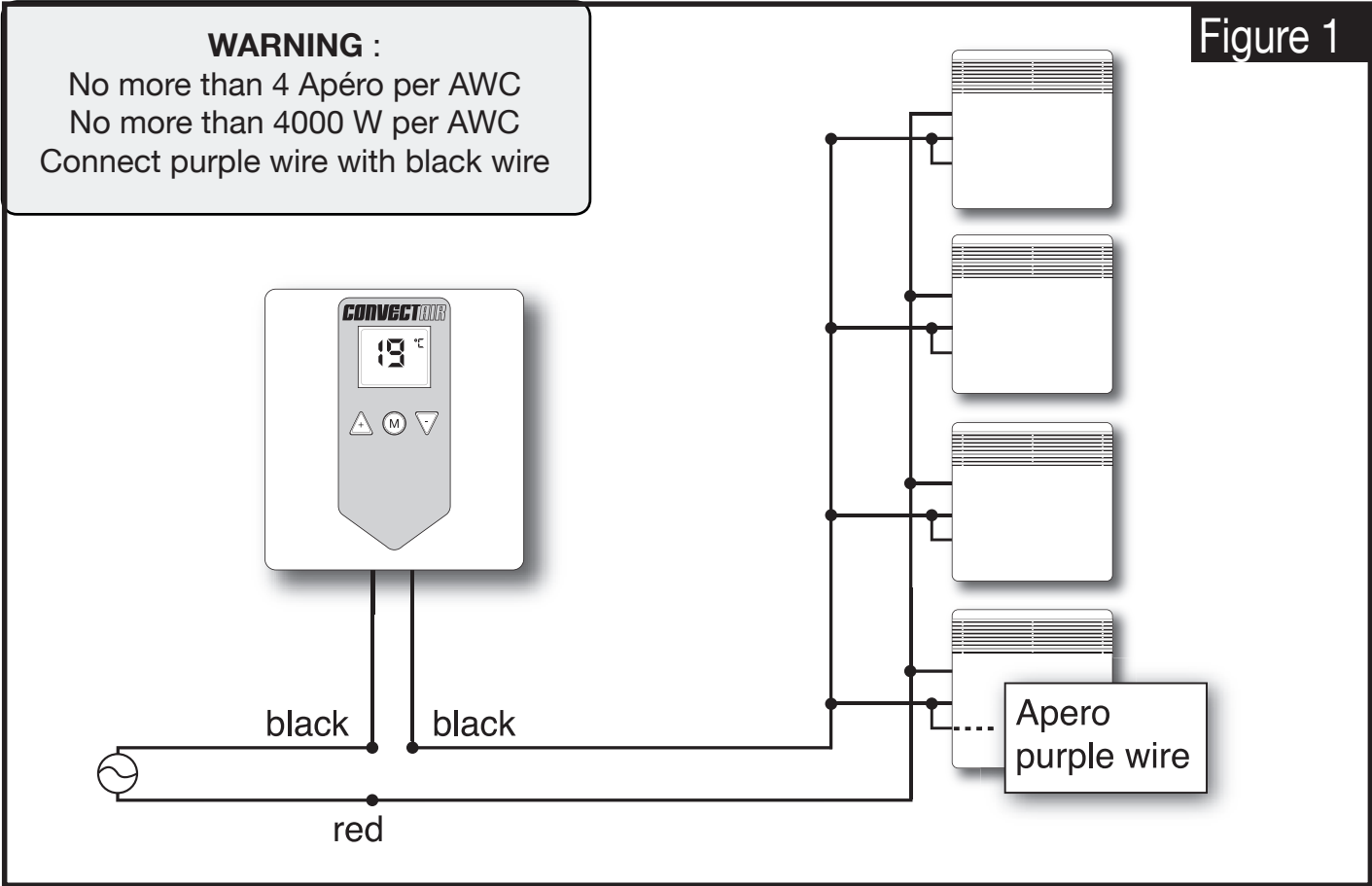
Contact CONVECTAIR

(page 20).

2 Description

The Apéro Wall-Mount Controller (AWC) makes it possible to control the thermostat of one or more Apéro 7359 electric heaters located in the same room.

The Apéro Wall-Mount Controller (AWC) should never be used as a control center for the entire house. It can control up to four heaters and has a maximum capacity of 4000 W (240V).





3

Installation

Choosing the location of the Apéro Wall-Mount Controller :

The Apéro Wall-Mount Controller must replace an existing wall thermostat in the same room as the Apéro 7359 electric heaters. It should be installed on a wall at a height of approximately 1.5 m (5 feet) above the floor.

Fastening and connecting the Apéro Wall Controller :

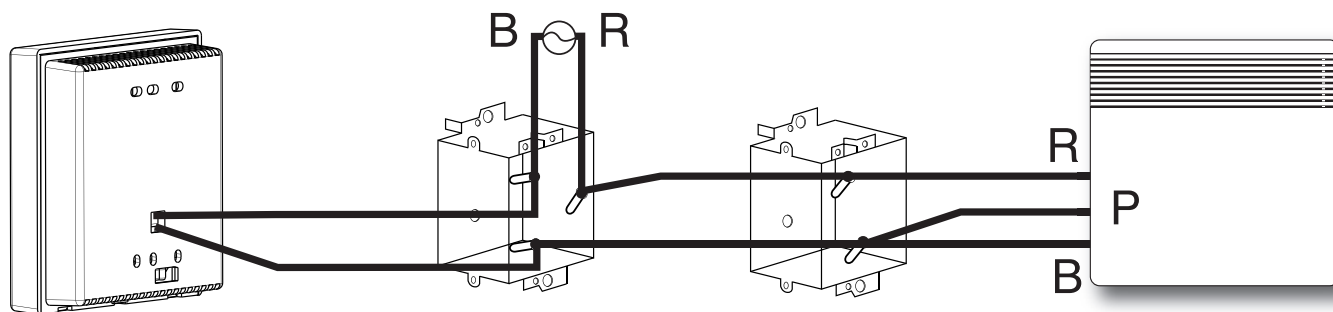
-  1. There is a risk of damage to the product if power is not disconnected before installation.
-  2. To prevent electric shock, disconnect power to the conducting wires at circuit breaker panel prior to installation. CONVECTAIR recommends that the devices be installed by a qualified electrician, in accordance with national and local codes.
3. Make sure that the **Apéro Wall Controller** air vents are free from obstructions.

4. Make the appropriate connections according to the figures below, depending on the type of installation (2-wire or 4-wire), using the provided wire connectors. For an aluminum wire connection, be sure to use CO / ALR connectors. The Apéro Wall-Mount Controller wires have no polarity and the direction of the connection has no effect.

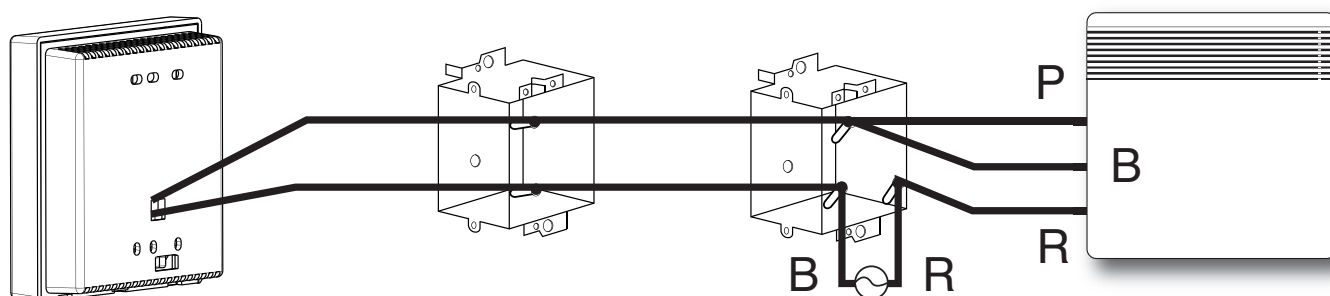
WARNING :

It is imperative to connect the purple and black wires of the Apéro device together, otherwise the device will not respond to the Apéro Wall-Mount Controller.

4-wire installation :

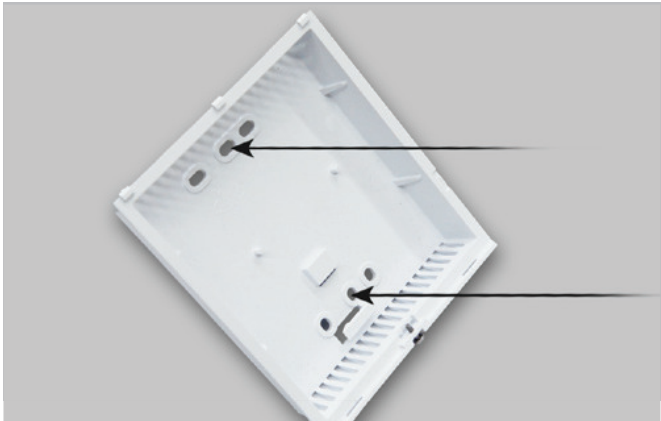
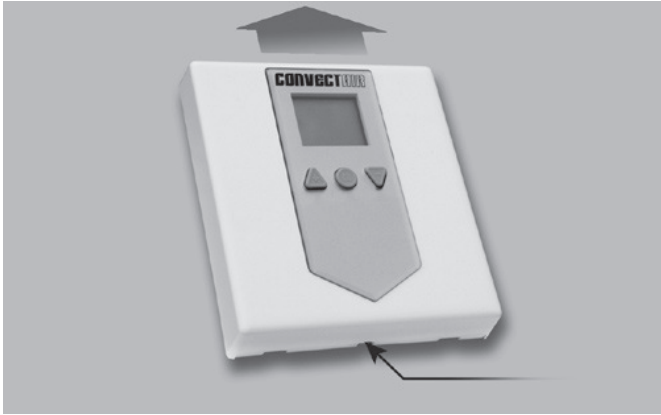


2-wire installation :



P : Purple B : Black R : Red

USA : Use White wire instead of Red.

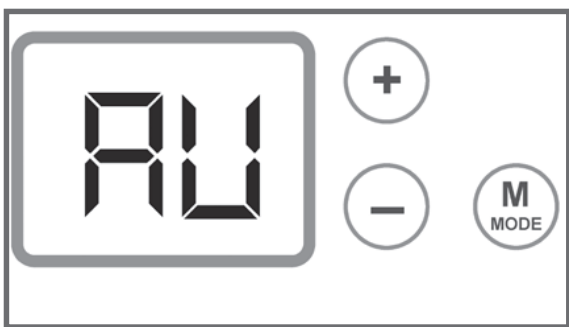


5. Slightly unscrew the captive screw and slide the front of device upward to remove it.

6. Using two supplied screws, secure the bottom of the Apéro Wall-Mount Controller to the junction box.

7. Replace front of the device and tighten the screw.

8. Make sure the Apéro is/are connected according to the diagrams on page 8 and turn on the power.

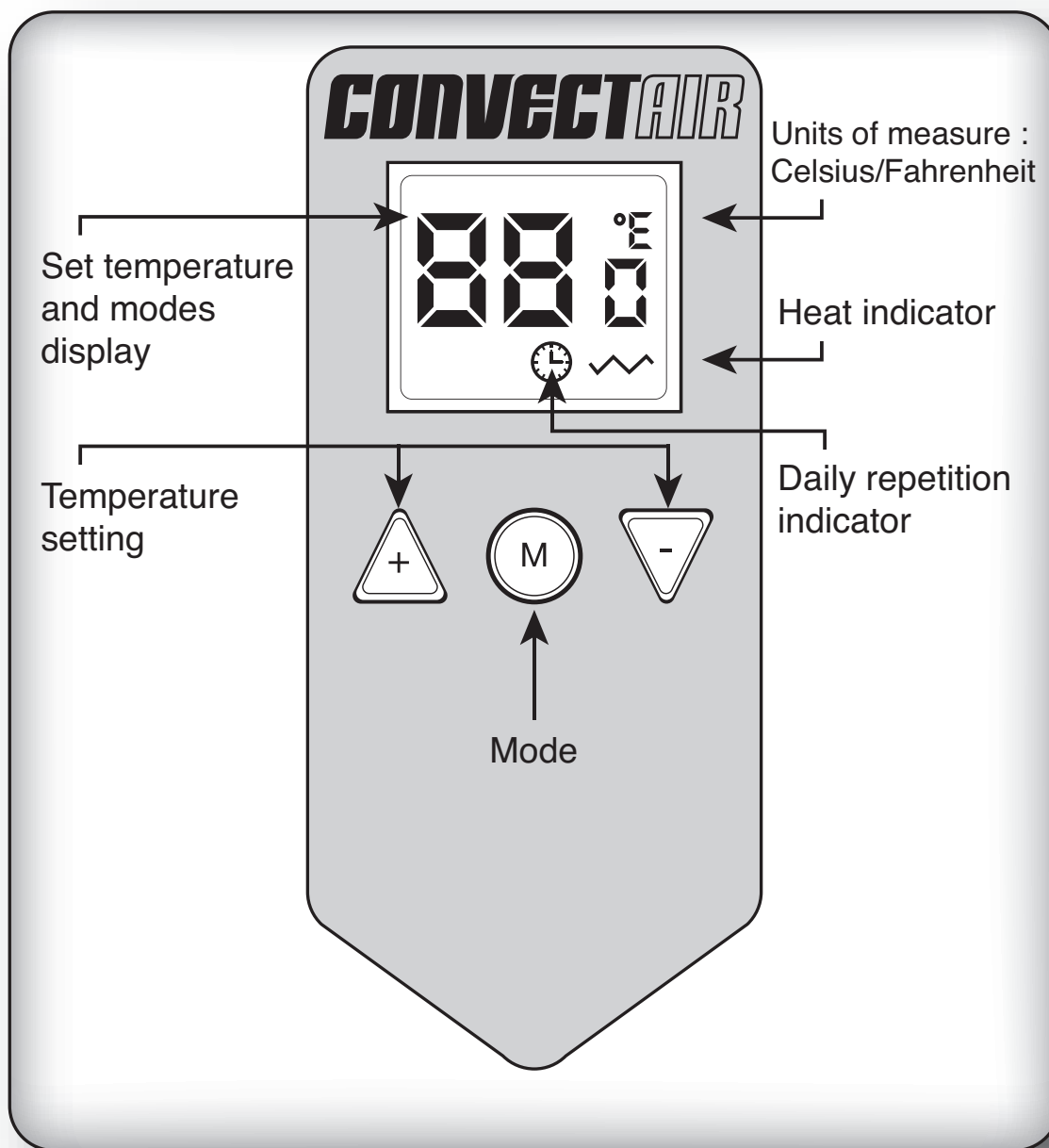


9. When an Apéro heater is connected to the Apéro Wall-Mount Controller, it can only be controlled by it. To check the temperature setting, press a key on the Apéro. The screen will show «AU» and the set temperature, which is the same as

displayed on the Apéro Wall-Mount Controller.

10. Adjust the Apéro Wall-Mount Controller to your preferences (see next section)

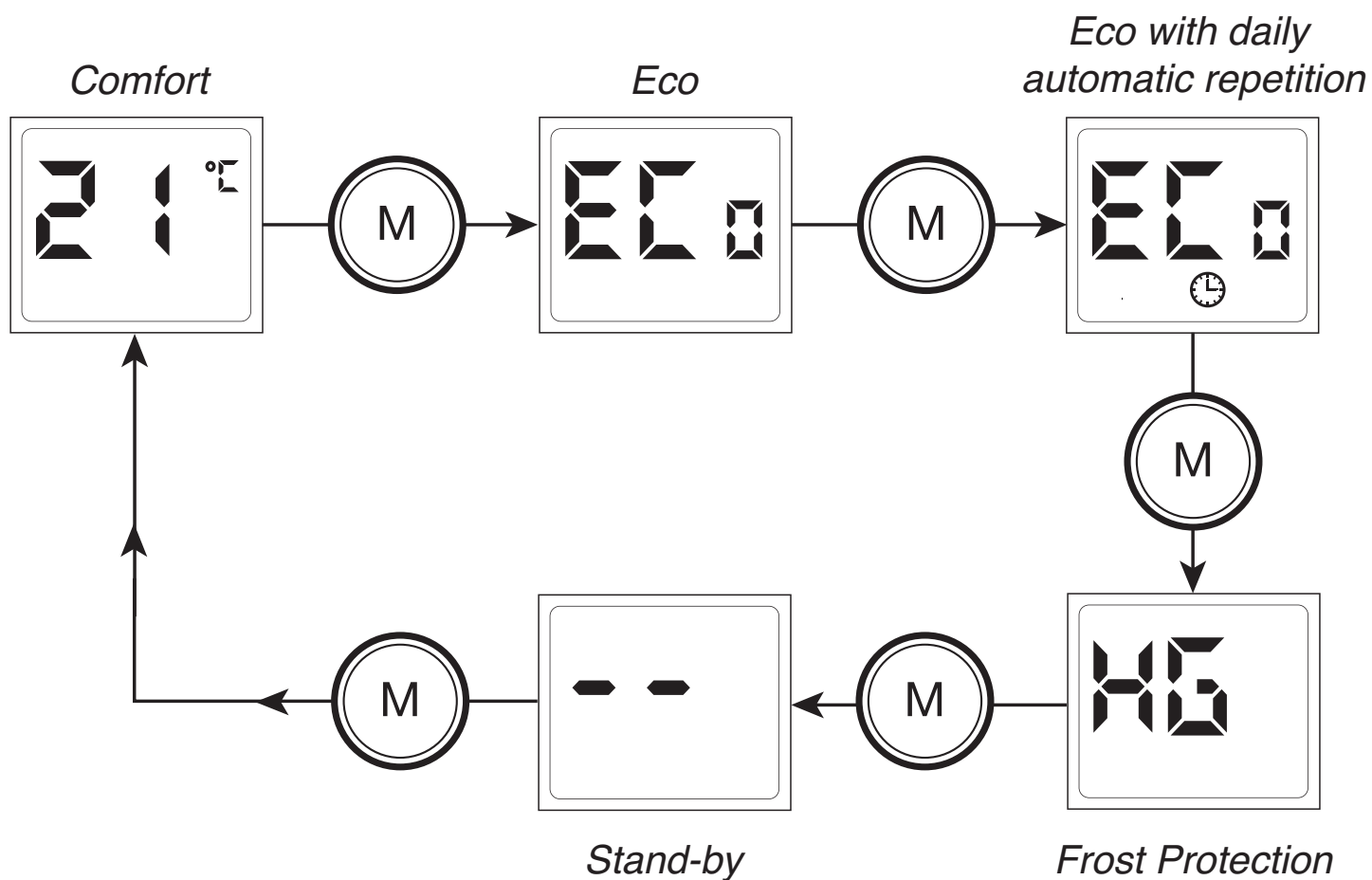
4 Operation




1- Operating mode :

The following five operating modes can be selected with :

- *Comfort*
- *Eco (setback of the temperature)*
- *Eco with daily automatic repetition*
- *Frost Protection*
- *Stand-By (turning off the heat)*



2- Starting or stopping the Apéro Wall-Mount Controller :

To start, press . The display shows the desired comfort temperature.

To stop the device, press  until *Stand-by* is reached

Note : The Apéro Wall-Mount Controller memorizes your settings.

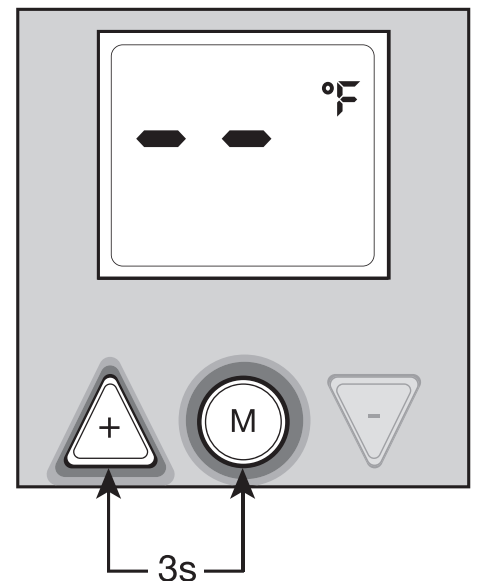
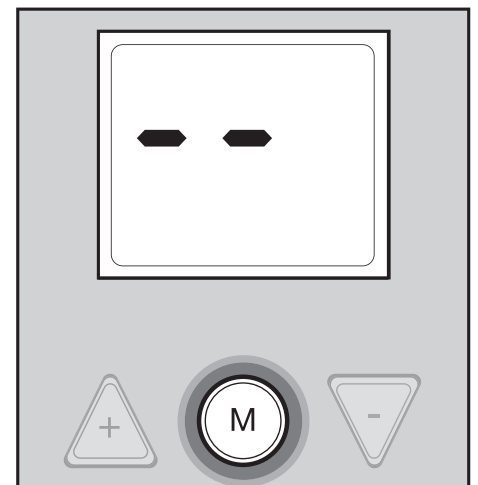
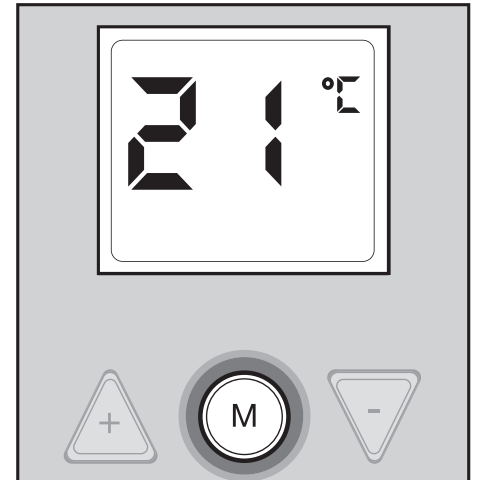
3- Select unit of temperature in °C or °F :

In *Stand-by* mode



Press  and  simultaneously during 3 seconds.

The display shows desired unit of measure during 3 seconds.

Press  again to display the set temperature.



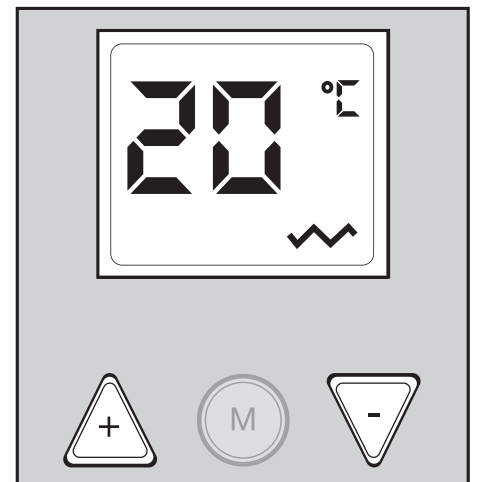
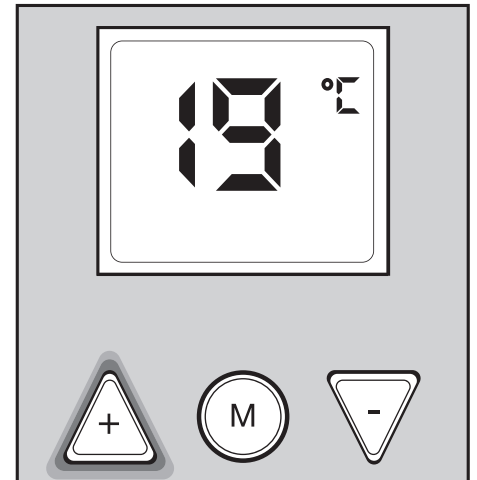
4- Adjusting the set temperature/ Comfort mode :

With  and , the set temperature can be increased or decreased by 1° increments.

Close windows and doors in the room and wait a few hours for the temperature to stabilize at the desired value.

If the temperature reached is not suitable, increase or decrease the set point.

Wait a few more hours to check the value of the comfort temperature.



5- Eco mode :



If you are away from home for a short time (2 hours or more), it is recommended to use this operating mode for maximum savings. This economy setting lowers the temperature of the room by 3.5°C (7°F). (To modify the economy setting, see Section 7)

To do so :




Press  until the display reads «Eco».

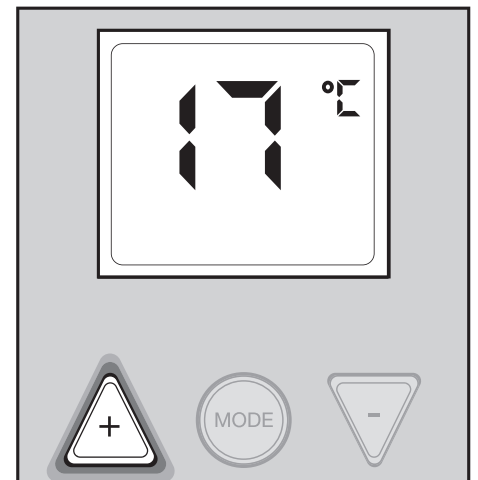
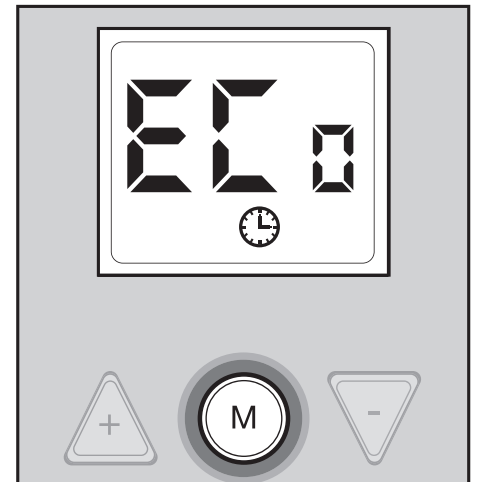
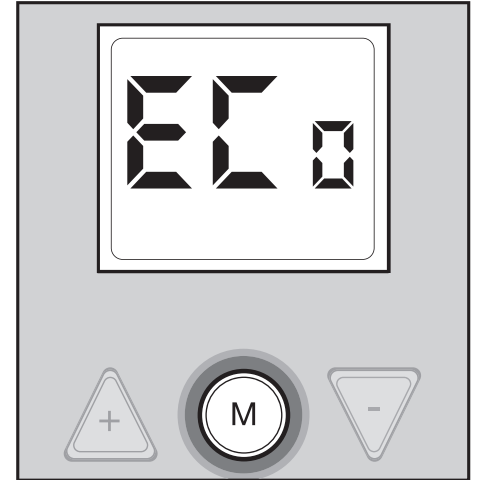
6- Eco Mode with automatic daily repetition :


The automatic daily repetition mode automatically repeats the setback temperature period each day (Ex: at night). Once this period has ended, the Apéro Wall-Mount Controller will resume to *Comfort* mode. To do so :

At the hour you wish to switch to *Eco*, press  until the display shows *Eco* and the clock symbol  . The setback duration is set at 8 hours by default.

7- Temperature setting in Eco and Eco with daily repetition modes :

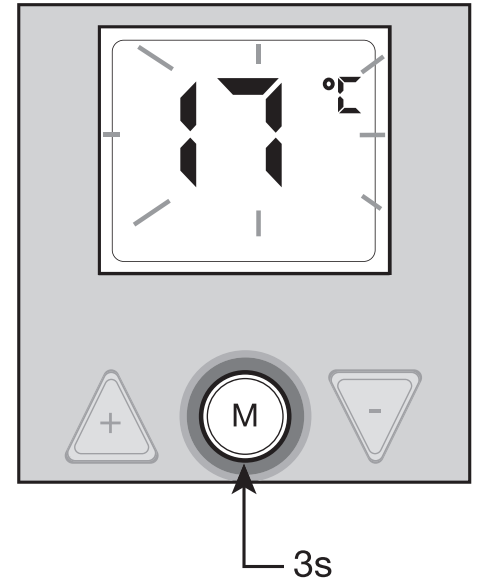
In *Eco* or *Eco*  mode, press  or  , to see *Eco* temperature.



To set *Eco* temperature: press  for 3 seconds and the temperature on the display will flash.

Press  or  to obtain desired *Eco* temperature.

Press  to accept.




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

8- Programming the setback temperature cycle of the *Eco* and *Eco* with daily repetition modes :

You can adjust the length of the setback temperature cycle from «- -» to 99 hrs for the *Eco* mode and 1 hr to 23 hrs for the *Eco* mode with automatic daily repetition.

By default, the *Eco* mode is permanent, «- -» and the *Eco* mode duration is 8 hours. To program another length : 

1. In the *Eco* mode to be programmed, press  for 3 seconds, the display will flash indicating the current length or «- -» if the *Eco* mode is permanent.


2. Adjust length with  and .

3. Press  to accept.



9- Frost Protection Mode :

If you are away from home for a long period of time (+ 24 hours), this operating mode keeps the room temperature at approximately 7°C (45°F). You will therefore benefit from maximum savings.



To do so :

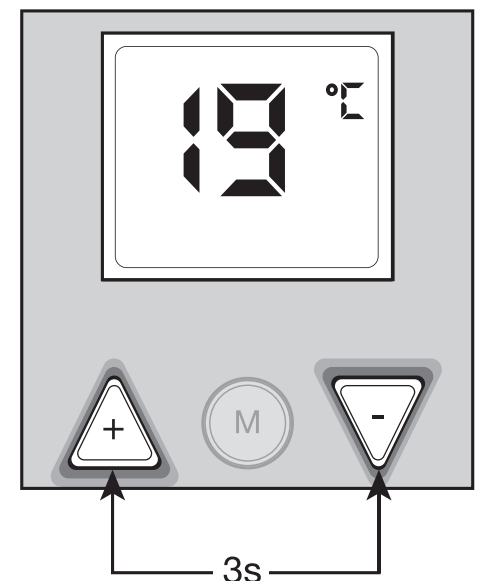
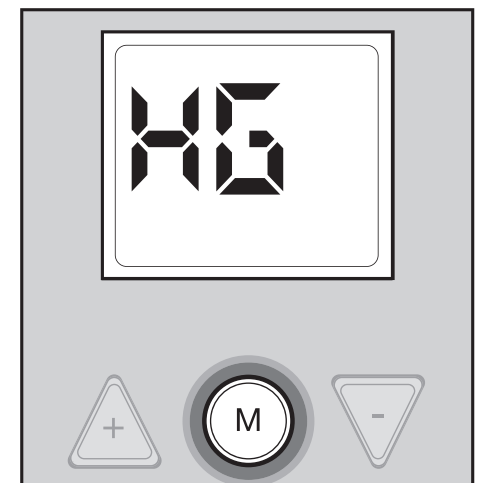
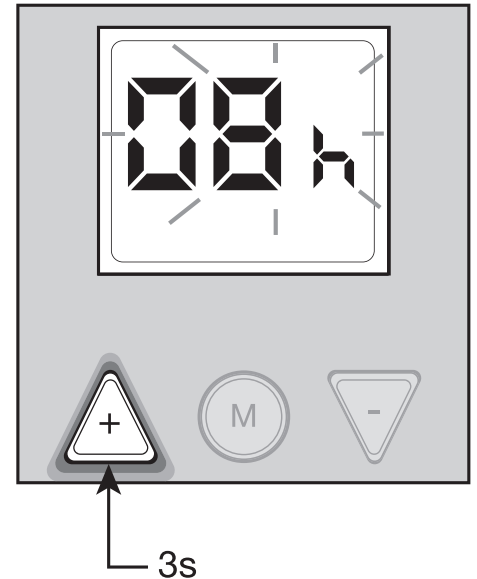
Press  until display reads Frost Protection «HG».

10- Lock/Unlock controls :

Whatever the selected mode, press  and  simultaneously during 3 seconds.



Press any button and «FF» will be displayed.

To unlock, simultaneously press  and  again during 3 seconds.



5

Troubleshooting

PROBLEM	VERIFICATION	ACTION
- The heater(s) does(do) not respond to the AWC setting.	<ul style="list-style-type: none"> - Press any key on the Apéro. - Does the Apéro display show «AU» ? - Is the purple wire (pilot wire) connected with the black wire of the Apéro ? 	<ul style="list-style-type: none"> - Connect the purple wire (pilot wire) with the black wire of the Apéro. - The display should show «AU» then the set temperature, and then turn off.
- The AWC screen is blank.	<ul style="list-style-type: none"> - Is the breaker of this heating circuit «ON» ? 	<ul style="list-style-type: none"> - After checking that all the connections were properly made, turn on the breaker of this heating circuit
- The AWC screen displays «FF» as soon as a key is pressed.	<ul style="list-style-type: none"> - Are the controls locked ? 	<ul style="list-style-type: none"> - Simultaneously press  and  for 3 seconds to unlock.
- The heaters do not heat even if the temperature on the AWC is raised.	<ul style="list-style-type: none"> - Is the switch on the right-hand side of the Apéro «ON» (1) ? - Press any key on the Apéro. - Does the Apéro display show «AU» ? - Is the purple wire (pilot wire) connected with the black wire of the Apéro ? 	<ul style="list-style-type: none"> - Connect the purple wire (pilot wire) with the black wire of the Apéro. - The display should show «AU» then the set temperature, and then turn off.
- The heaters produce continuous heat even if the AWC is on stop mode.	<ul style="list-style-type: none"> - Press any key on the Apéro. - Does the Apéro display show «AU» ? - Is the purple wire (pilot wire) connected with the black wire of the Apéro ? 	<ul style="list-style-type: none"> - Connect the purple wire (pilot wire) with the black wire of the Apéro - The display should show «AU» then the set temperature, and then turn off.

<p>- The AWC is on but the display of the devices stays on.</p>	<p>- Press any key on the device. - Does the Apéro display show «AU» ? - Is the purple wire (pilot wire) connected with the black wire of the Apéro ? - Is the production date 16/11 or older on the Apéro Digital 7359 heater ?</p>	<p>- Connect the purple wire (pilot wire) with the Apéro black wire. - The screen must display «AU» and then the set temperature. - The AWC is compatible only with these devices.</p>
<p>- In a room with multiple devices controlled by the same AWC, one device generates lots of heat and the others are cold.</p>	<p>- Redo this verification in the evening when there is no activity or other sources of heat in this room</p>	<p>- If the problem persists, contact CONVECTAIR for more information and to perform a simple adjustment to calibrate the thermostats.</p>
<p>- The AWC displays 21° (for example) while it is much warmer in the room</p>	<p>- Are the devices heating ?</p>	<p>- The AWC displays the set temperature not the ambient temperature. This situation is normal when the room is warmer than the set temperature (for example, in summer). - If the heaters overheat the room, contact CONVECTAIR for more information.</p>

Avertissement !



From the moment an AWC module is connected to one or more Apéro 7359 heaters, these devices automatically switch to «remote control» mode. They cannot be used independently unless they are reset. If this is the case, contact CONVECTAIR customer service for the necessary instructions to restore the operation of these devices (Tel.: 1-800-463-6478).

6 Technical specifications

1- Power Supply :

240VAC (60Hz)


2- Operating Conditions :

From -10 °C to 35 °C
From 20 to 90 % relative humidity.

3- Storing conditions :

From -20°C to 80°C
From 20 à 90 % relative humidity

4- Certification :

CSA, , Canada and USA.

2 YEARS against all defects

The CONVECTAIR Apéro Wall-Mount Controller has a 2-year warranty on all parts against defects in materials and workmanship. It begins on the date of purchase by the consumer and according to its specific conditions. All details are provided with each device. Please keep your proof of purchase and/or installation invoice.

Service Centers :

For a Service Center near you, contact CONVECTAIR at **1-800-463-6478**

CONVECTAIR

30 Carré Sicard, Sainte-Thérèse (Québec) CANADA J7E 3X6

Tel.: (450) 433-5701 Fax : (450) 434-3166

E-mail: support@convectair.ca

Website: www.convectair.com