


TESTING THE SYSTEM

Note: Instructions stickers for the front and back of the remote programming unit are provided separately. Simply stick the English or French version onto the programming unit case. Do not forget to remove the clear protector on the stickers.

To ensure that the system works properly, follow these steps:

- STEP 1: – Supply power to all units (240 V).
- STEP 2: – Switch all the programmable convectors, to "ON", select the program mode  , and turn the thermostat to maximum.
- STEP 3: – Switch the "Programmer," "ON" (power switch to position "I"), select comfort mode (CONF), turn the temperature dial to maximum and place the remote programming unit in its housing.
- STEP 4: – Check every unit in the zone to see that it is emitting heat and the green heating indicator light is on.
- STEP 5: – Select the frost protection mode (HG) on the "Programmer" and verify if the green light of each unit is off.
This test shows that the convectors in the zone are receiving a signal from the "Programmer".
- STEP 6: – Adjust and program the units (see p. 12 or the instructions on the remote programming unit).

Warning: If a unit has to be disconnected, the terminal block must stay on the white wire and not on the purple wire. To minimize the risk of electrical shock, if the breakers of all circuits connected to the pilot wire, are not on "OFF" position.

APPLICATIONS AND OPERATING INSTRUCTIONS

APPLICATIONS

With a CONVECTAIR "Programmer" installation, individual room temperature can be set independantly using each unit's thermostat. The "Programmer" sends signals to each convector under its control (i.e. the ones in program mode) to raise or lower the temperature. However, each convector has an override — if not in program mode, it will operate independently. The "Programmer" unit itself does not have an override, but can be adjusted manually.

You can choose one of thirteen preprogrammed cycles for each day of the week, to achieve an economical management of your heating system. If needed, you can also change the cycle of all units without having to reprogram the system. There are three overrides (temporary interruption of the program) which remain in effect until they are cancelled and the regular program resumes.

The diagram below illustrates two separate zones. Two "Programmer" convectors control two distinct groups of programmable convectors. This allows you to put the bedrooms on one heating cycle and the other rooms on a different cycle.

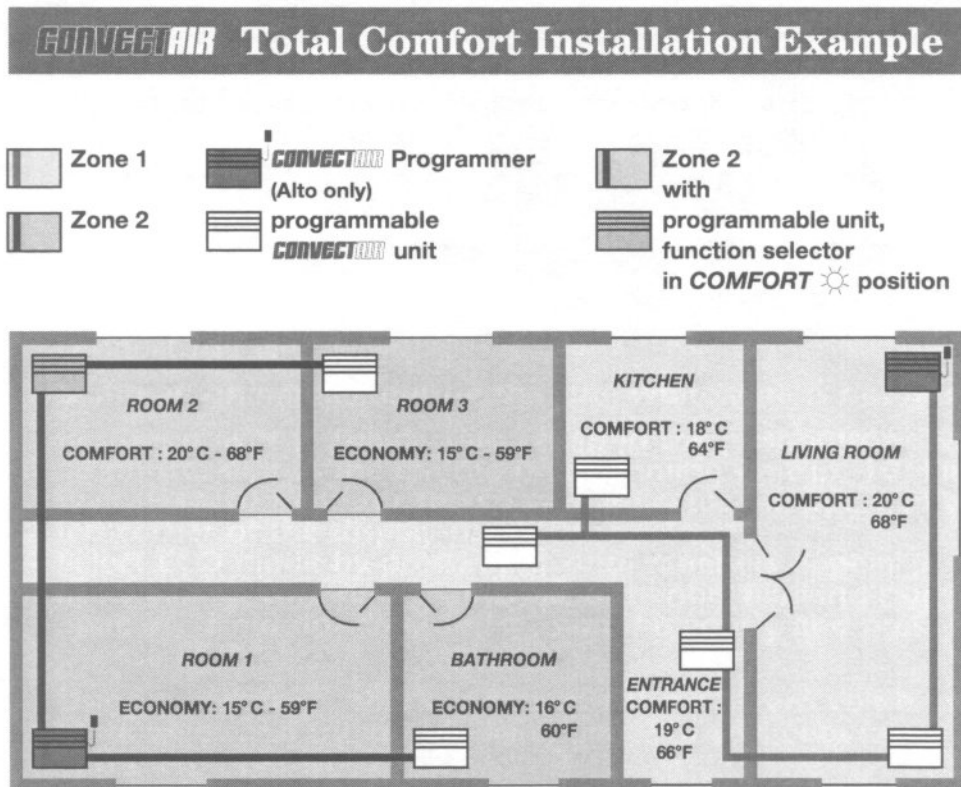


Fig. 5

NOTE: It is better to leave the door closed between rooms with different temperature levels.

USING THE REMOTE PROGRAMMING UNIT

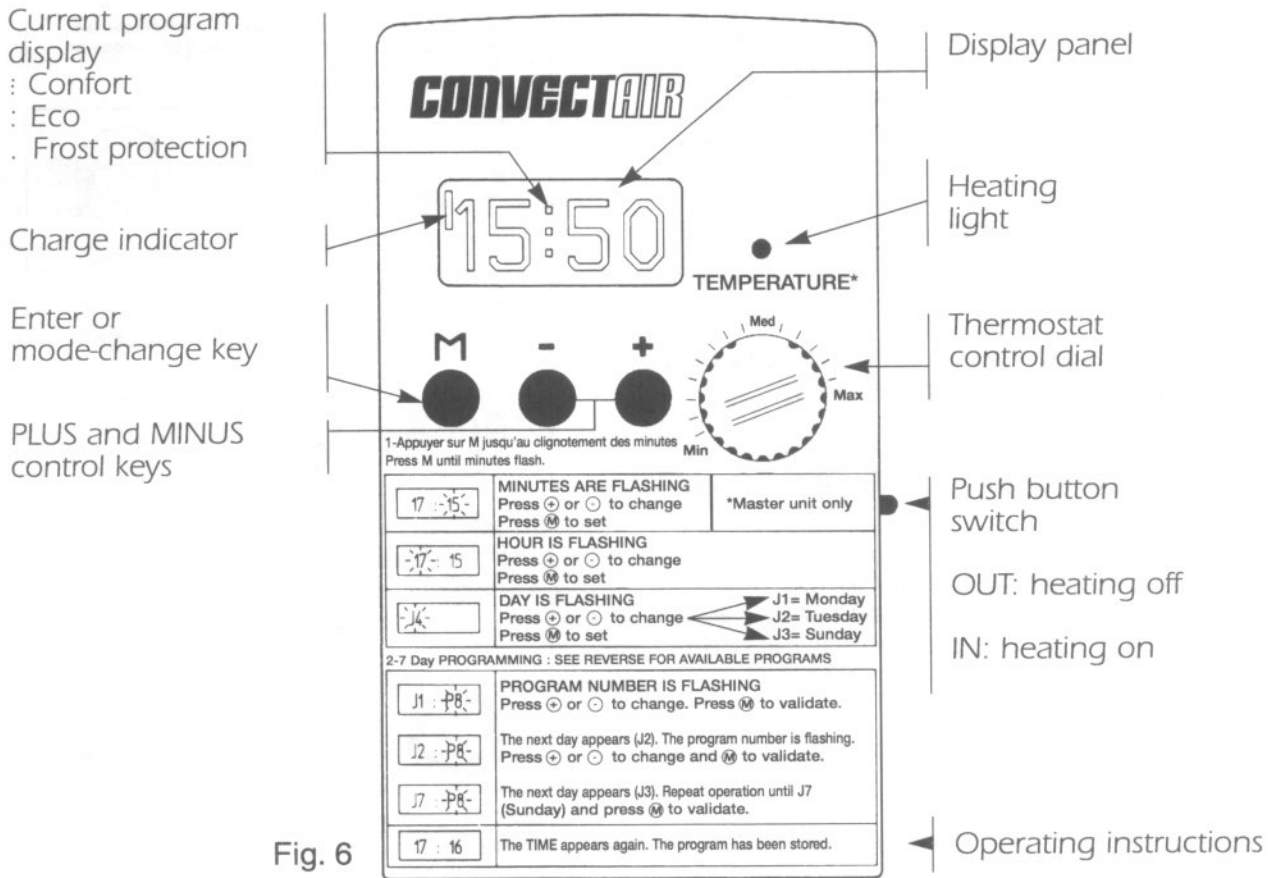


Fig. 6

In case of power failure:

Back up battery life: Approximately 8 hours.

If a power failure lasts more than 8 hours, the unit will restart automatically on the frost protection setting. In that case, the unit must be reprogrammed.

Setting the room temperature (Programmer unit only):

- 1)- Remove the remote programming unit from its housing.
- 2)- Hold in the pushbutton switch.
- 3)- Turn the thermostat control dial to the desired temperature level (MED).
- 4)- Allow the convector to operate for approximately one hour before adjusting the temperature. (Turn the control dial clockwise to raise the temperature and counterclockwise to lower it.)

IMPORTANT: For optimum comfort and energy efficiency, once the desired temperature level has been reached, **DO NOT TOUCH** the thermostat control dial. The thermostat will maintain the room at a steady temperature.

Other individual room temperature settings can be adjusted using the built-in thermostat provided on each Convectair heater.

PREPARING YOUR PROGRAM

The "Programmer" provides three different temperature levels.

- The comfort level (which is the temperature set at each thermostat).
- The economy level (approximately 4°C/7°F lower than the comfort level).
- The frost protection level (8° C/45° F).

There are thirteen preprogrammed cycles available, as shown on the back of the remote programming unit:

- ten variable 24-hour cycles, alternating comfort and economy settings,
- three fixed 24-hour cycles: comfort (CONF), economy (ECO) and frost protection (HG).

Since there may be people in the house on some days, and none on others, a different cycle can be selected for each day of the week.

Example:

P0 cycle:

5:30 a.m. – 8:30 a.m.:reheat and maintain comfort level

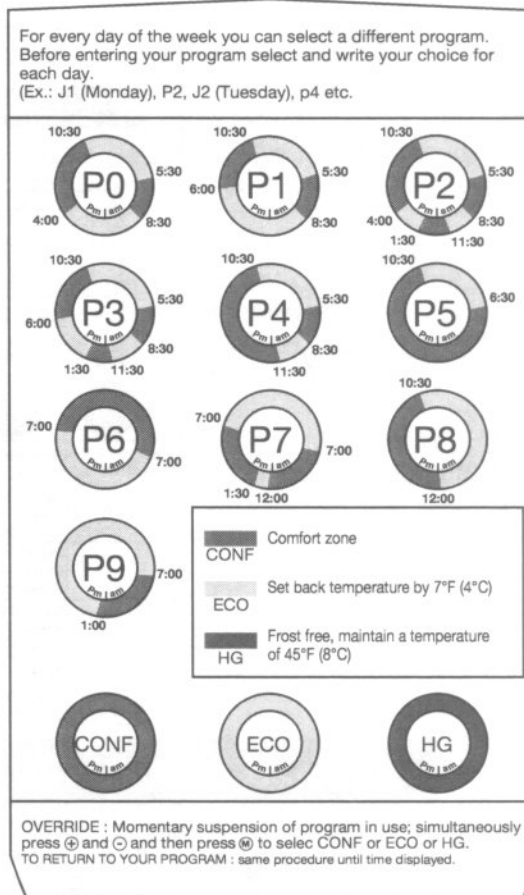
8:30 a.m. – 4:00 p.m.:maintain economy level

4:00 p.m. – 10:30 p.m.:reheat and maintain comfort level

10:30 p.m. – 5:30 a.m.:maintain economy level

Note: Time shown on the display pannel will appear in the 24 hour system (example 4 p.m. will read 16:00).

Preprogrammed Cycles



Back of the remote programming unit

PROGRAMMING PROCEDURE

Preparing your program

Before entering your weekly program, choose the cycles you want for each day of the week, keeping in mind the possibilities offered by the system (unit and program overrides). Jot down your choices in the table below, to make programming easier.

NOTE: Once your program has been entered, you can verify or modify it by pressing the **(M)** key. Your program will appear on the display panel.

PROGRAMMING PROCEDURE:

Before entering your program, set the right time and day in the remote programming unit, as follows:

EXAMPLE

DAY	CYCLE
J1: Monday	P0
J2: Tuesday	P0
J3: Wednesday	P1
J4: Thursday	P6
J5: Friday	P8
J6: Saturday	CONF
J7: Sunday	CONF

YOUR PROGRAM

DAY	CYCLE
J1: Monday	
J2: Tuesday	
J3: Wednesday	
J4: Thursday	
J5: Friday	
J6: Saturday	
J7: Sunday	

- 1 - If CONF, ECO or HG appears on the display panel, hold down **(+)** and **(-)** simultaneously and press **(M)** until numbers appear on the display panel. If you are activating the system for the first time, the charge indicator must appear on the display panel before you begin programming; this may take 5 or 10 minutes.
- 2 - Then, press the **(M)** key until the minutes flash.
- 3 - Once the minutes are flashing, set the minutes using the **(+)** and **(-)** keys. Press the **(M)** key to enter the setting. Then the hour will flash.
- 4 - Using the **(+)** and **(-)** keys, set the hour. Press the **(M)** key to enter the hour setting. Then the day will flash.
- 5 - Adjust the day, using the **(+)** and **(-)** keys. (J1 is Monday, J2 is Tuesday, J3 is Wednesday, and so on. So, if you are programming on a Sunday, set the day to J7.) Press the **(M)** key to enter the day setting. Now, the cycles will flash.

The "Programmer" is now set to the correct day and time. Now, simply enter the cycles you have chosen for each day of the week.

- 1- When the program (P0 to P9) number is flashing, adjust it using the \oplus and \ominus keys; select the program for J1. Press the \textcircled{M} key to store the correct program for J1 (Monday). J2 now appears and the program number flashes.
- 2- Adjust the program number for J2 using the \oplus and \ominus keys. Press the \textcircled{M} key to store the correct program for J2. J3 appears now and the program number flashes.
- 3- Adjust the program number for J3 using the \oplus and \ominus keys and store with the \textcircled{M} key. Repeat this procedure for the rest of the days in the week. The time will be displayed again.

When the time is displayed again, without flashing, the programming process is completed and your programs have been stored.

All convectors controlled by the "Programmer" (i.e. in program mode \textcircled{t}) will heat according to the program you have set.

OVERRIDE PROCEDURE

To temporarily interrupt the program, hold down \oplus and \ominus simultaneously and press \textcircled{M} to choose the desired temperature level: comfort CONF, economy ECO or no-freeze HG. To resume the regular program, perform the same steps until the time appears on the display panel.

WARNING: Depending on the type of construction and the location of water pipes in the house, we do not recommend that you use the frost protection HG cycle during cold spells.

NOTE: When scrolling through programs P0 to P9, the display panel also shows programs PC, PE and PH, which represent the CONF, ECO and HG in programming mode. When an override instruction is entered, the display panel shows the names as CONF, ECO or HG.

MAINTENANCE AND WARRANTY

MAINTENANCE

For maximum performance and efficiency, periodically remove dust and lint from the protective grille at the base of the convector.

We also recommend regular maintenance to keep the unit clean. Use a soft cloth to remove dust. Dampen the cloth to remove spots (never use abrasive products, as these could damage the finish).

WARNING

Under certain conditions, the outlet louvers of Convectair units can yellow over time. This is not a manufacturing defect. It is caused by smoke and particles in the air being heated and filtered through the unit. This phenomenon is particularly visible on "pure white" units and can cause noticeable discoloration.

TO PREVENT THIS

Clean louvers frequently, especially in the kitchen or where cigarette smoke is present. Never use convectors during construction work or other dust-generating activities.

COMMENT

When your CONVECTAIR unit is first activated, it may emit some light smoke. This is normal and should automatically dissipate within 2 to 3 minutes.

IF ONE OR MORE CONVECTAIR UNITS DO NOT EMIT HEAT

Before calling your electrician, check the following:

STEP 1– Make sure the circuit breaker of each circuit is in the "ON" position.

STEP 2– Switch each programmable convector, to "ON," select program mode (⌚), and set thermostat to maximum.

STEP 3– For the "Programmer," switch to position "I" (ON), select comfort mode (CONF), turn the temperature dial to maximum and put the remote programming unit back in its housing.

STEP 4– Check every unit in the zone to see that it is emitting heat and the green heating indicator light is on.

STEP 5– Select the frost protection mode (HG) on the "Programmer" and check that the green light of each unit is off.

STEP 6– If any of the green lights does not go on after STEP 4 or does not go off after STEP 5, call your electrician or the nearest service center.