MR355 - MR357 CONTROL UNIT





EN - User manual

REF 421AA6670 A00

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QUICK START

- Switching heating On / Off

Press ⏻ to switch the appliance on or to switch off heating on your appliance.



- Setting the desired temperature

To adjust the desired temperature, press ⊕ or ⊖.



- Selecting the operating mode

Press Mode to select the operating mode



YOU WANT TO	PRESS	USE THE FUNCTION	THE SCREEN SHOWS
Maintain the Comfort temperature.	Mode	**COMFORT**	19.0
Keep the room at the Economy temperature.	Mode	**ECONOMY**	ECO
Keep the room at Frost protection temp.	Mode	**FROST PROTECTION**	HG
Before activating any programming mode, refer to the section (Setting the clock and day).			
Apply the order sent by your programming unit or your energy manager.	Mode	**PROGRAMMING « AUTO »**	19.0 AUTO
Apply a preset or custom programme	Mode 3s*	**PROGRAMMING « PRESET »**	19.0 P2 (P2)

* Pressing the Mode key for 3s toggles between «AUTO» programming and «PRESET» programming

- The «Open Window» function

Press to activate or deactivate the «Open Window» function.

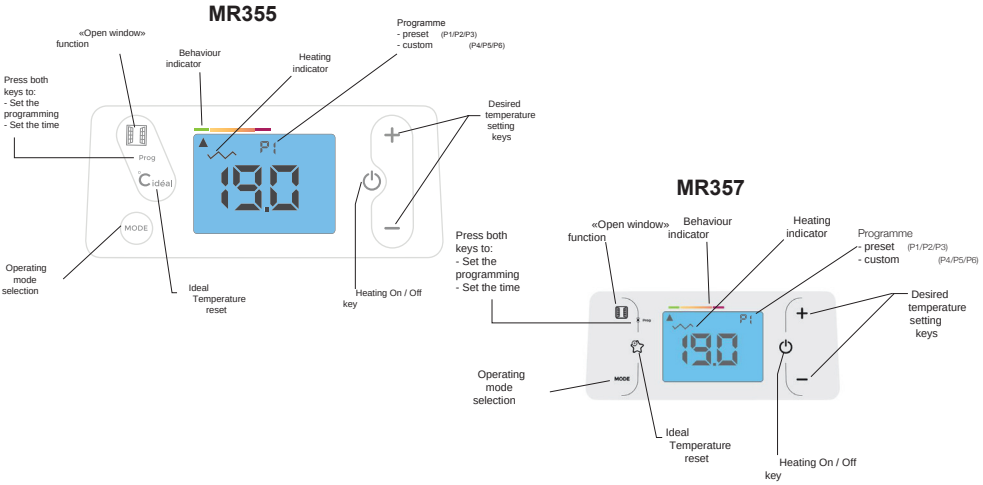


- The «Ideal °C» function or «⊕».

Briefly press Cidéal or ⊕ to reset to the standard (factory) operating mode.



2 HOW TO USE YOUR APPLIANCE

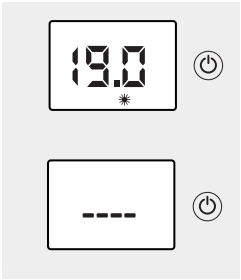


Make sure to remove the protective film from the control unit.

2.1 - Switching the appliance heating On / Off:

To switch on, press ⏻, the screen shows the Comfort temperature: 19.0°C.

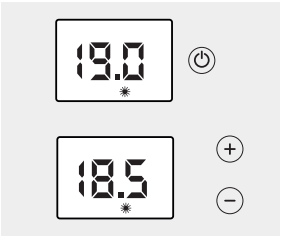
To switch heating off, press ⏻, the screen shows ----.



- The appliance keeps its settings in memory, even in the event of a power cut.

2.2 - Comfort mode / Setting the set-point temperature:

Press + or - to increase or decrease the desired set-point temperature.

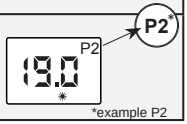


To let the temperature stabilise at the desired value, close the doors of the room.

2.3 - The MODE selector:

Press repeatedly on Mode

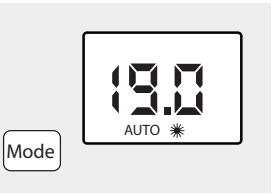
The mode selector lets you choose between 5 functions.

YOU WANT TO	PRESS	USE THE FUNCTION	THE SCREEN SHOWS
Keep the room at the Comfort temperature.	Mode	**COMFORT**	
Keep the room at the Economy temperature.	Mode	**ECONOMY**	
Keep the room at Frost protection temperature.	Mode	**FROST PROTECTION**	
Before activating any programming mode, refer to section 2.6 (Setting the clock and day).			
Apply the order sent by your programming unit or your energy manager.	Mode 3s*	**PROGRAMMING « AUTO »**	
Apply a preset or custom programme		**PROGRAMMING « PRESET »**	

* Pressing the Mode key for 3 seconds toggles between «AUTO» programming and «PRESET» programming

2.4 - Programming mode: « AUTO »

i This mode allows automatic pilot-wire operation of your heating appliance via a programming unit or an energy manager.



Press repeatedly Mode until the « **AUTO**» appears.

ORDERS SENT VIA PILOT WIRE	THE SCREEN SHOWS	RESULT
Heating off		Heating stops immediately
ECO		Temperature lowered by 3.5°C compared with the Comfort setting or as chosen.
Conf-1		Temperature lowered by 1°C compared with the Comfort setting.
Conf-2		Temperature lowered by 2°C compared with the Comfort setting.
Frost protection		Keeps the room temperature at about 7°C.

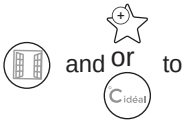
Special cases

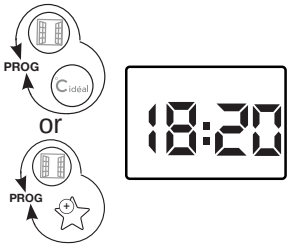
In forced Comfort, Economy and Frost protection modes, the Frost protection and Heating off orders sent by the programming unit or the tariff manager take priority. To indicate this, the «AUTO» symbol flashes.

Functions selected	Programming unit or energy manager	
	Order sent via pilot wire : HG	Order sent via pilot wire : Heating off
19.0°C		
ECO		
HG		

2.5 - Displaying the time:

Briefly press the keys and or to display the current time.





2.6 - Other settings:

2.6.1 - Setting the clock and day:

- In all cases, to use the preset programmes, you must set the time and day on your appliance (factory setting 00:00).
- After a power cut of more than 30 minutes, you must also reset the time on your appliance.



A- Setting the time:

Press and hold for 3s the keys and or to enter the programming menu.



«Pr» appears on the screen,

Use the + or - keys to choose the time setting function: « **Hr**» in the drop-down menu and confirm with the Mode key.

Change the hour with the + and – keys and confirm with the Mode key.

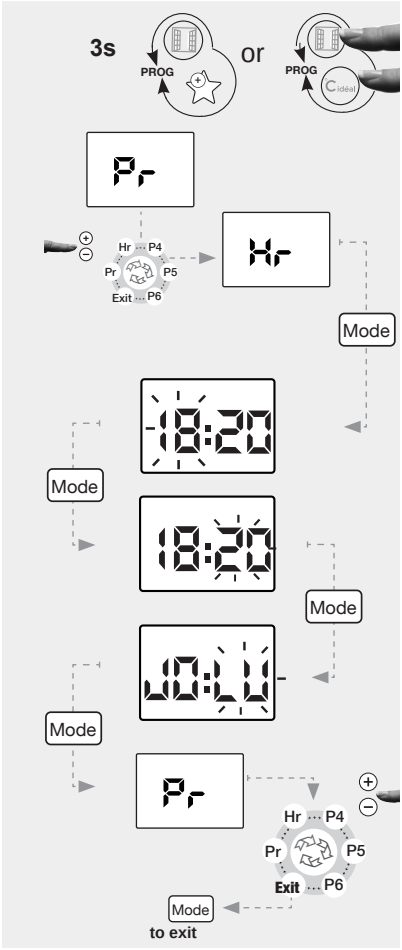
Change the minutes with the + and – keys and confirm with the Mode key.

B - Setting the day:

Change the day of the week (JO: LU = Monday, JO: MA = Tuesday, JO: ME = Wednesday, etc.) with the + and - keys.

Confirm with the Mode key.

To exit, press + or - until «Exit» is shown in the drop-down menu.
Confirm with Mode to exit.



2.6.2 - Simple child lock:

Press the + and – keys simultaneously for 3s to lock or unlock the keypad.

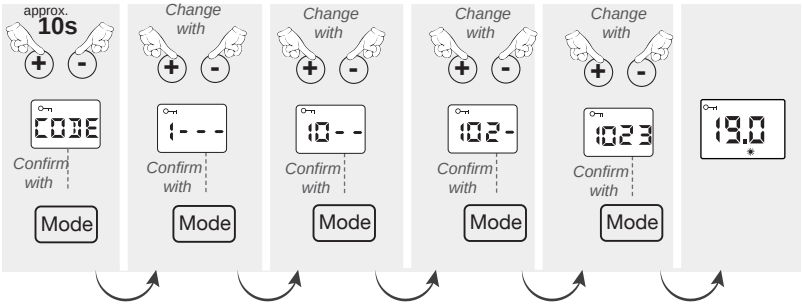


This function blocks access to the appliance settings to prevent any unwanted changes. The heating On / Off key remains active, even when the child lock is activated.

2.6.3 - Child lock with code:

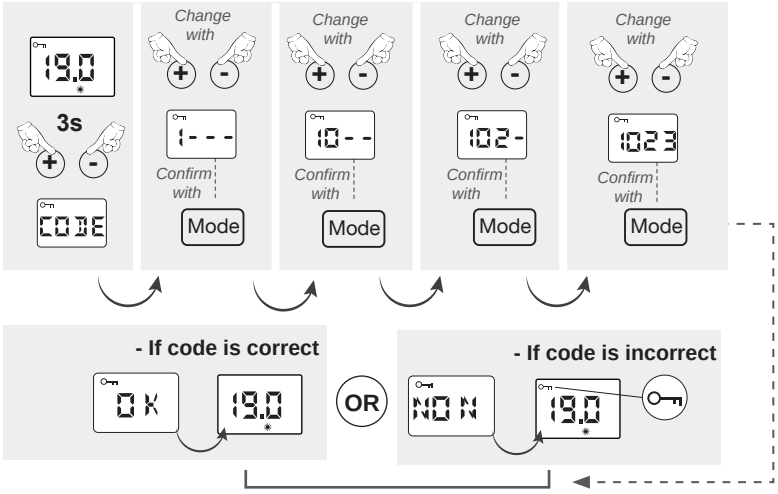
You can lock the keypad with a personal 4-digit code.

- To lock



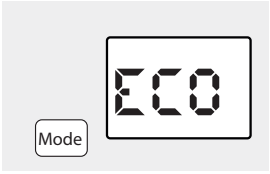
It is IMPORTANT to remember this code. If you forget it, you will no longer be able to unlock the keypad.

- To unlock



2.7 - Economy functions:

2.7.1- Economy mode « ECO »:



Press repeatedly Mode until
Economy mode « **ECO**» appears.

To view the ECO set-point, briefly press **+** or **–**.

To change the set-point temperature for **ECO** :

Press Mode for 3s until the set-point temperature **ECO** flashes.

Press **+** or **–** to change.

To confirm, press Mode.

i For a short absence (more than 2h), for maximum savings it is recommended to use this operating mode. It lowers the room temperature by about 3.5°C compared with the set-point temperature.

2.7.2- Override in Frost protection mode «HG»:



Press repeatedly Mode until
Frost protection mode « HG » appears.

i For maximum savings during a long absence (more than 24h), use this mode. It keeps the room temperature at about 7°C.

2.7.3 - Absence detection:



This function is automatically active in mode
It can be deactivated (see table below).

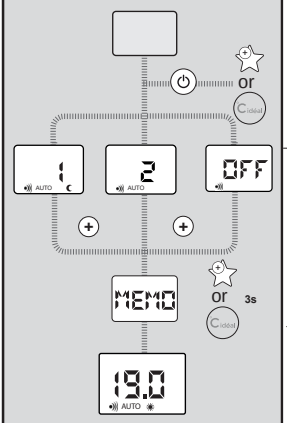
i During a prolonged absence, the appliance gradually lowers its temperature set-point. When it detects presence, it reacts and returns to the operating mode defined by the user.

Choice of absence detection operating mode

Press ⏻ to switch off your appliance

Press simultaneously ⏻ and ☆ or Cidéal until detection option 1, 2 or OFF is displayed.

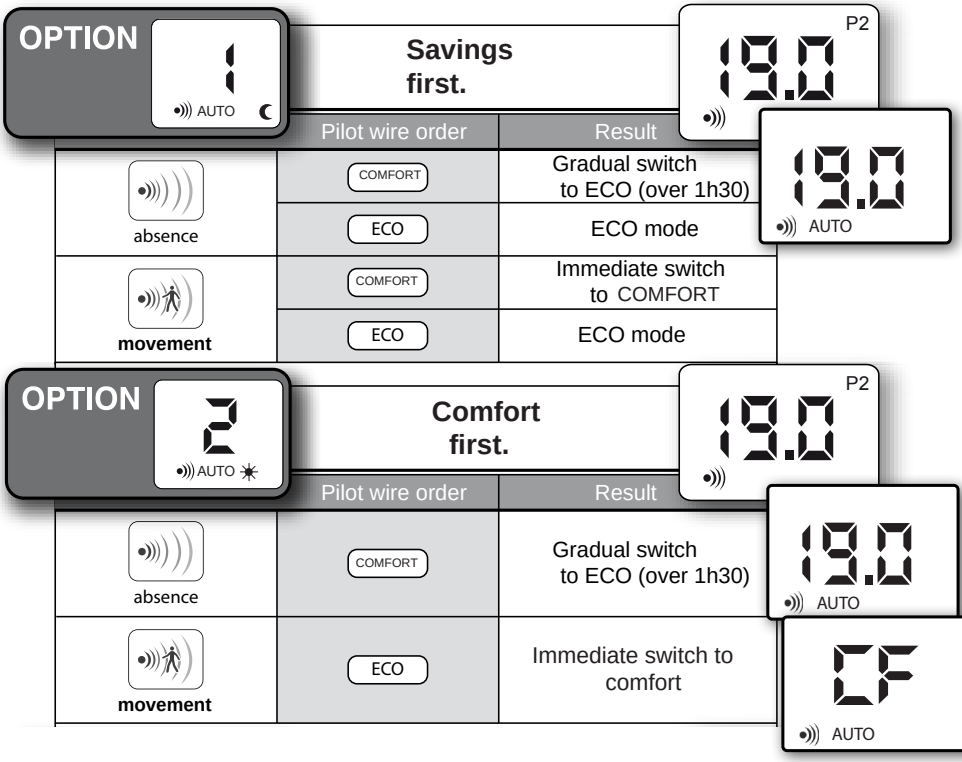
- Press ⊕ or ⊖ to choose the detection option.
- Save by pressing for 3 seconds ☆ or Cidéal. The screen shows MEMO



Option 1:
(default mode):
Savings first.

Option 2:
Comfort first.

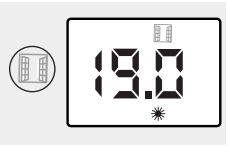
Option OFF:
The absence detection function is disabled.



Gradual switch to ECO: during a prolonged absence, the appliance's temperature set-point gradually decreases in 30-min steps to CF-1 then CF-2, until ECO is displayed.

2.7.4 - Open window detector:

To activate the function, press the key . The symbol appears on the screen.



The symbol flashes when heating has stopped following a detection.

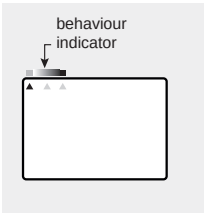
Pressing the key will automatically restart the heating.

To deactivate the function, press the key . The symbol disappears from the screen.

This function automatically stops heating when a sudden drop in temperature is detected in the room (e.g. an open window or door).

2.7.5 - Behaviour indicator:

This indicator helps you optimise the Comfort temperature setting. Depending on its position, the cursor shows the user whether the setting is energy-efficient or not. If the cursor is at the green symbol, the set temperature is lower than or equal to the recommended temperature of 19°C.
The cursor appears when the set-point is changed.



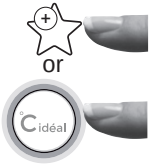
This indicator lets you monitor and adjust the desired temperature according to its impact on energy consumption.

2.7.6 - Heating indicator:



The indicator shows that your appliance is heating. Once the desired temperature is stable, it switches on and off according to heating needs.

2.7.7 - Ideal temperature:



Pressing the key Cidéal or

Comfort and ECO temperatures return to the recommended values of 19°C for Comfort and 15.5°C for ECO.

Pressing for 10s the key Cidéal or



The appliance switches to auto mode, the energy-saving functions are activated and the Comfort and ECO temperatures return to the recommended values of 19°C for Comfort and 15.5°C for ECO.

This function automatically sets the appliance to ensure comfort with maximum savings.

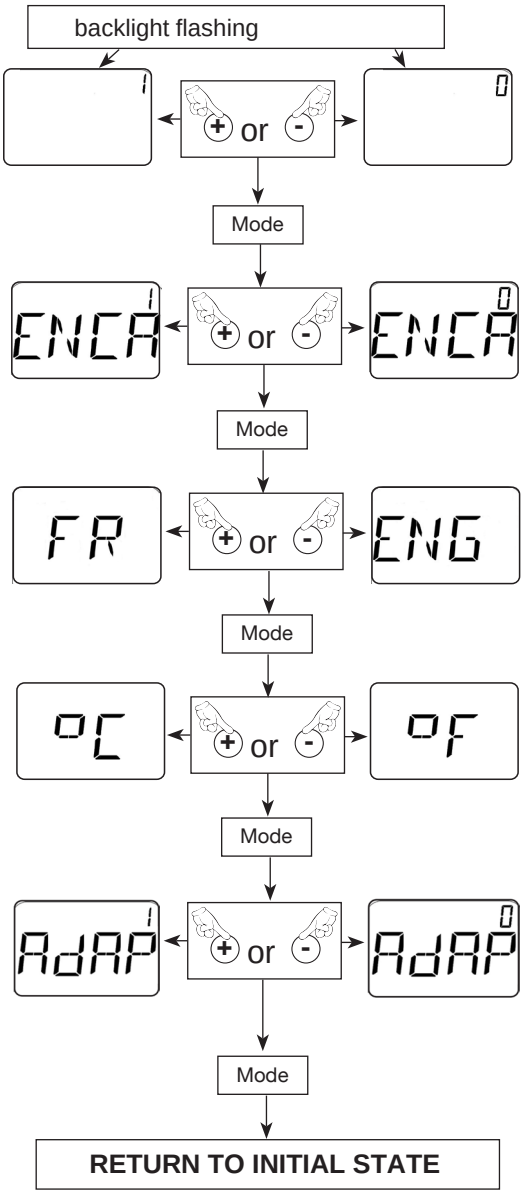
2.7.8 - Setting additional functions:

This menu lets you lock or unlock certain options and adjust certain settings.



To access NIVI , press ⏻, the screen shows ▪▪▪ .
Pressing for 3s ⏻ and Mode the screen shows NIVI. Pressing for 3s gives access to the various settings (see below).





Activation (1) or deactivation (0) of the backlight time-out.

Activation (1) or deactivation (0) of the set-point limit function.
When this function is active, the COMFORT temperature setting is limited. You cannot increase or decrease this temperature beyond +/-2°C.

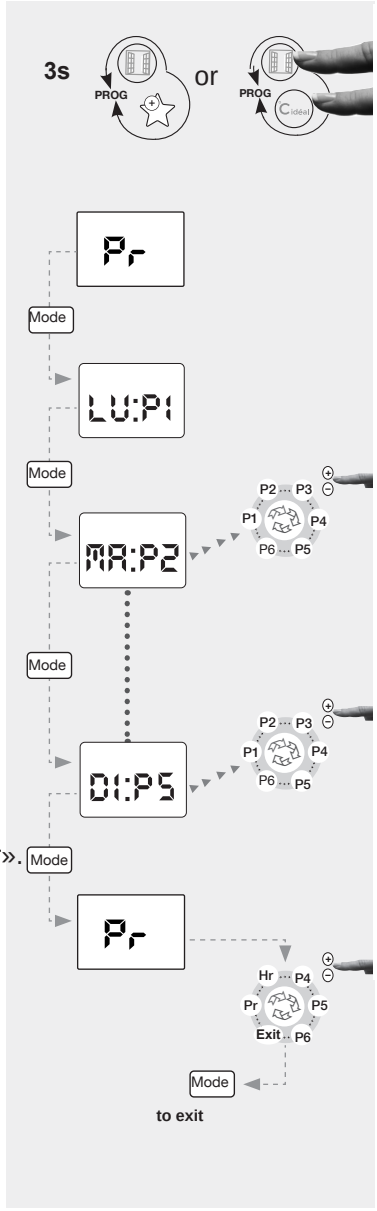
Activation of (Fr) French or (ENG) English.

Activation of degrees Celsius or degrees Fahrenheit.

Activation (1) or deactivation (0) of the adaptive control function.
When this function is activated, set-point changes defined in the programming are anticipated by a time adapted to the thermal behaviour of your room. This allows the appliance to reach the desired temperature at the time defined in the programming.

2.7.9 - Operating mode: «Preset programming P1/P2/P3 or custom programming P4/P5/P6»

i This mode enables automatic daily operation of your heating appliance, either at the Comfort set-point or at the Eco set-point.



To assign a programme to each day of the week:

- Press simultaneously for 3 seconds the keys and or .

- The screen shows «Pr», press Mode

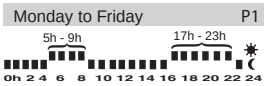
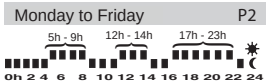
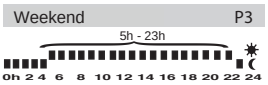
- Assign one of the programmes (preset or custom) to each day of the week with the ⊕ and ⊖ keys of the drop-down menu.

- Confirm with the Mode key, the screen shows «Pr».

- To exit, press ⊕ or ⊖ until «Exit» is shown in the drop-down menu.

- Confirm with Mode to exit.

MEANING OF THE PRESET PROGRAMMES (P1/P2/P3) AND CUSTOM PROGRAMMES (P4/P5/P6).

Preset programme	Choice	Meaning
	**P1**	Programme P1 gives you the Comfort set-point temperature in the morning from 5am to 9am and in the evening from 5pm to 11pm.
	**P2**	Programme P2 gives you the Comfort set-point temperature in the morning from 5am to 9am, at midday from 12pm to 2pm, in the evening from 5pm to 11pm.
	**P3**	Programme P3 gives you the Comfort set-point temperature from 5am to 11pm.
Custom programmes see following pages	**P4** **P5** **P6**	Programmes P4, P5, P6 let you customise the time slots of the Comfort set-point temperature to suit your needs.

If neither of the keys ⊕ and ⊖ is pressed for 15 seconds, the display returns to its initial position, i.e. 19.0°C.

OPERATING MODE « CUSTOM PROGRAMMING » P4/P5/P6:

This mode enables daily automatic operation of your heating appliance, either at the Comfort set-point or at the Eco set-point.

To do this:

Whatever the current operating mode:

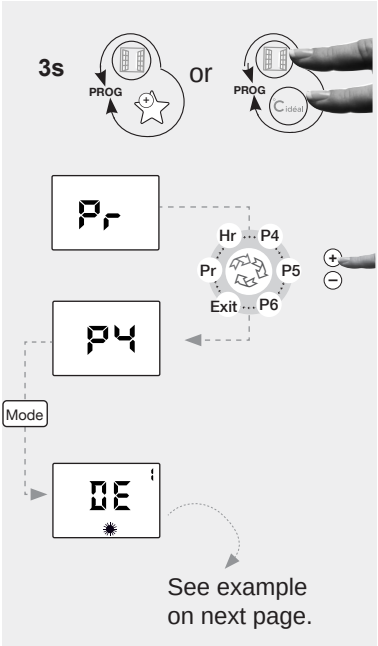
- Press simultaneously for 3 seconds the keys and or

«Pr» appears on the screen,

- Press the key ⊕ or ⊖ to choose one of the «P4/P5/P6» programmes in the drop-down menu.

(We choose programme P4 as an example).

- Confirm with Mode.



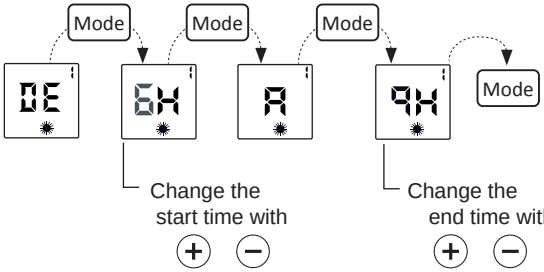
See example on next page.

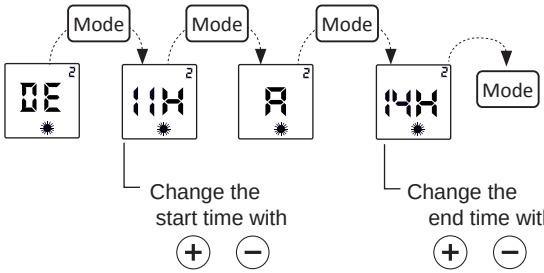
You can thus define your own time slots in COMFORT mode; the remaining time slots will automatically be assigned to ECO mode. (See example on next page).

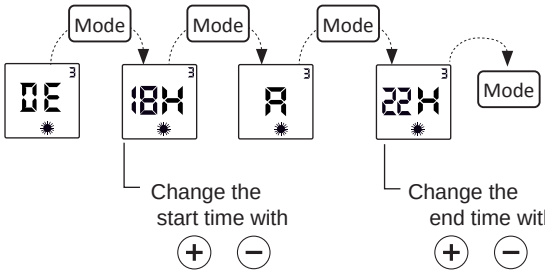
For programmes P4/P5/P6, the factory default setting is Eco all day.

HOW TO SET UP A CUSTOM PROGRAMME? EXAMPLE - P4

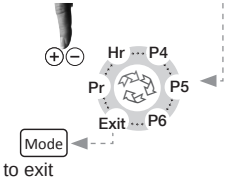
Taking MONDAY «LU: P4» as an example, we want the Comfort set-point temperature in 3 different time slots: in the morning from 6h to 9h, at midday from 11h to 14h and in the evening from 18h to 22h.

Ex. 6h to 9h	Choice: slot 1	Result
Slot 1 		Time slot no. 1 from 6h to 9h is confirmed, you move automatically to time slot no. 2

Ex. 11h to 14h	Choice: slot 2	Result
Slot 2 		Time slot no. 2 from 11h to 14h is confirmed, you move automatically to time slot no. 3

Ex. 18h to 22h	Choice: slot 3	Result
Slot 3 		Time slot no. 3 from 18h to 22h is confirmed, you return to the initial position Pr. Programme P5 or P6 or choose Exit to exit. Confirm with Mode.

- Proceed in the same way for programmes P5 and P6, either keeping the programme you defined previously, or modifying it.
- Confirm with Mode and choose «Exit» to exit, then confirm with Mode.



2.8 - Matching the displays (Thermostat/Thermometer):

- Optional operation -

It is not unusual for there to be a difference between the appliance display and a thermometer. If this difference is greater than +/- 0.5°C, the two displays can be matched.

Procedure:

To compare the temperature displayed by the heater with that shown by a thermometer, you must:

- make sure the installation instructions, in particular the positioning and minimum distances, have been followed,
- close all external windows and doors of the home as well as the interior door(s) of the room heated by the heater,
- place your thermometer in the centre of the room at a height of about 1.2m, not on a piece of furniture,
- set the heater to manual COMFORT mode,
- check that your set-point is between 17 and 23°C,
- wait for the room temperature to stabilise (about 6h) and avoid, as far as possible, coming in and out of the room,
- make sure the temperatures shown on the heater and on the thermometer are stable.

This adjustment can only be made if the above conditions are met.

With the thermostat in COMFORT mode, press MODE for 3s. Two cases may occur:

- The set-point temperature flashes: matching is possible.
  - Display the temperature shown by your thermometer with the (+) and (−).
  - Confirm with the MODE key
- The display shows «NON»: matching is not possible (you must then wait for the temperature to stabilise).



If you do not press the (+) and (−) keys for 15 seconds, the display returns to its initial position.

- WARNING -

This function does not correct installation faults and must only be used if the installation is compliant.

Using the 6-order pilot wire mode.

If your installation is managed by an energy manager such as EDF Tempo, the Conf.-1 or Conf.-2 reductions will be made on order of this unit, according to the tariff period.
The 6 orders are Conf., Eco., Conf.-1, Conf.-2, Frost protection and Heating off (see table in the chapter - electrical connection).

- As your appliance is fitted with a 6-order electronic thermostat, changes ordered by the energy manager and the programmer are not immediate : allow about 15 seconds for them to take effect.

- Exceptional use: overriding an appliance's programming
Whatever the order sent by the programming unit or the energy manager, you can:

  • If the appliance is installed in a bedroom occupied by a sick person, for example, keep the COMFORT temperature permanently at 19.0. To do this, please refer to chapter «2.3 - The MODE selector» and select «COMFORT», subject to priority load-shedding orders (Frost protection or Heating off).
  • If the room is unoccupied (e.g. a guest room), keep the temperature permanently at a very low value (HGEL function). To do this, please refer to chapter «2.3 - The MODE selector» and select «FROST PROTECTION», subject to the priority load-shedding order Heating off.

- In both cases above, once the exceptional use ends, set the function mode back to AUTO (see chapter 2.4).

- NOTE: If your installation is fitted with a load-shedding device, load shedding takes priority; the appliance may not heat even though the function mode is set to 19.0.
AUTO

As soon as the load-shedding signal ends, the appliance will resume heating.

3 TROUBLESHOOTING

PROBLEM	CHECK	ACTION
The appliance does not heat	■ Make sure the digital display is on.	■ Press ⏻ ■ Press repeatedly Mode until the Comfort position ✹ is displayed.
	■ If the digital display is still not on.	■ Make sure the installation's circuit breakers are on and press ⏻.
	■ Make sure you are in Comfort mode	■ Press repeatedly Mode until the Comfort position ✹ is displayed.
	■ Check whether the symbol flashes.	■ Close the door and/or window, reset the function by pressing .
	■ The display is on, the heating indicator is off.	■ Check the set-point value. ■ The room temperature does not require heating. ■ The appliance is in ECO or load-shedding: make sure the load-shedding system has not cut the appliance's power supply.
The appliance heats all the time	■ Check that the temperature setting has not been changed. ■ Check that the appliance is not near an open door and/or in a draught.	■ Set the temperature again. ■ Close the door or remove the draught.
The appliance does not follow programming orders	■ Check that it is in programming mode ■ Check the programming	■ Switch to programming mode ■ Carry out the programming

IN ALL OTHER CASES, CONTACT A QUALIFIED PERSON