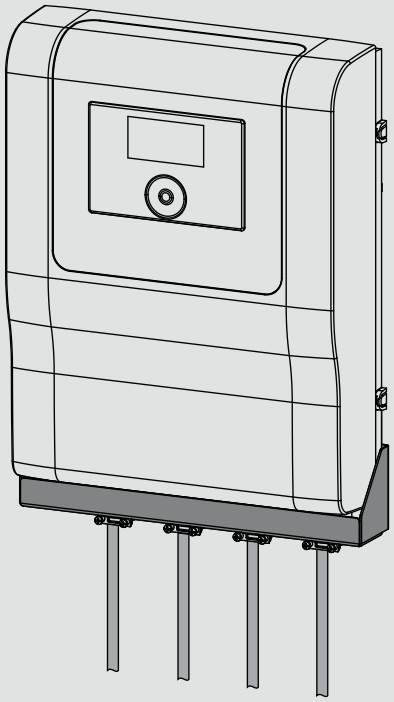
OPERATION

Heat pump manager

» WPM



STIEBEL ELTRON

1. General information

This manual is intended for the appliance user and qualified contractors.

Note
Read these instructions carefully before using the appliance and retain them for future reference.
Pass on the instructions to a new user if required.

1.1 Relevant documents

📖 WPM commissioning instructions

1.2 Safety instructions

1.2.1 Structure of safety instructions

KEYWORD Type of risk
Here, possible consequences are listed that may result from failure to observe the safety instructions.
▶ Steps to prevent the risk are listed.

1.2.2 Symbols, type of risk

Symbol	Type of risk
⚠	Injury

1.2.3 Keywords

KEYWORD	Meaning
DANGER	Failure to observe this information will result in serious injury or death.
WARNING	Failure to observe this information may result in serious injury or death.
CAUTION	Failure to observe this information may result in non-serious or minor injury.

1.3 Other symbols in this documentation

Note
General information is identified by the adjacent symbol.
▶ Read these texts carefully.

Symbol	Meaning
!	Material losses (appliance damage, consequential losses and environmental pollution)
	Appliance disposal

▶ This symbol indicates that you have to do something. The action you need to take is described step by step.

☐☐■ **These symbols show you the software menu level (in this example level 3).**

2. Safety

2.1 Intended use

The appliance is intended for domestic use. It can be used safely by untrained persons. The appliance can also be used in non-domestic environments, e.g. in small businesses, as long as it is used in the same way.

Any other use beyond that described shall be deemed inappropriate. Observation of these instructions and of instructions for any accessories used is also part of the correct use of this appliance.

2.2 Safety instructions

WARNING Injury
The appliance may be used by children over 8 years of age and persons with reduced physical, sensory or mental capabilities or a lack of experience and expertise, provided that they are supervised or they have been instructed on how to use the appliance safely and have understood the potential risks. Children must never play with the appliance. Children must never clean the appliance or perform user maintenance unless they are supervised.

Note
Do not change any system-specific settings at the control unit. Your qualified contractor has set the control unit to match the local conditions for your building and your individual requirements. The system-specific parameters are protected by a code to prevent unintentional modification.
The parameters that serve to adapt the device to your personal requirements are not protected by a code.

▶ The appliance should only be operated once it is fully installed and all safety equipment has been fitted.

2.3 Test symbols

See type plate on the appliance.

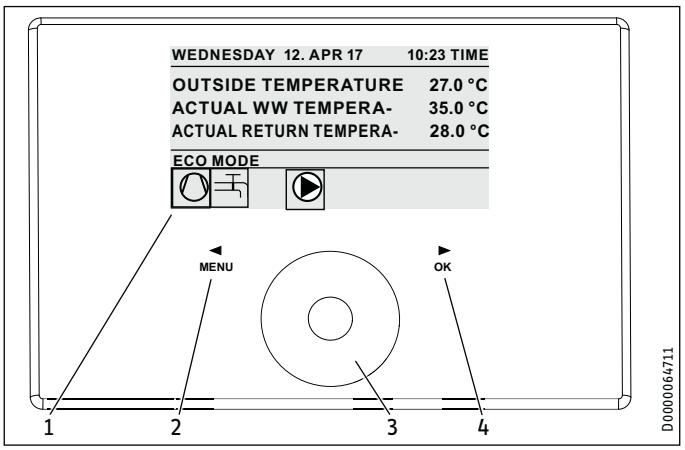
3. Appliance description

The WPM heat pump manager is responsible for the processes that control and regulate the heat pump. Using the device, you can make certain settings and display information on the operation of the heat pump.

Product name	Part number
WPM	234727

4. Operation

4.1 Controls



1 Display
2 "MENU" key
3 Touch-Wheel
4 "OK" key

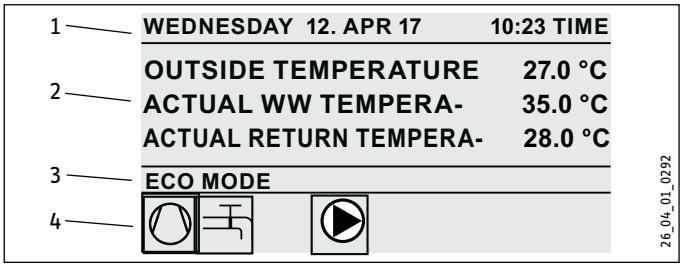
You control the heat pump with the programming unit of the heat pump manager. The Touch-Wheel consists of a touch-sensitive sensor. There is one key on each side. All required appliance functions are controlled and checked with the Touch-Wheel and the keys.

Note
If you have gloves on, have wet hands or if the programming unit is damp, this impedes recognition of your touch and the execution of the action you require.

4.1.1 Display

The programming unit display shows the current system status and provides messages and information.

Start screen

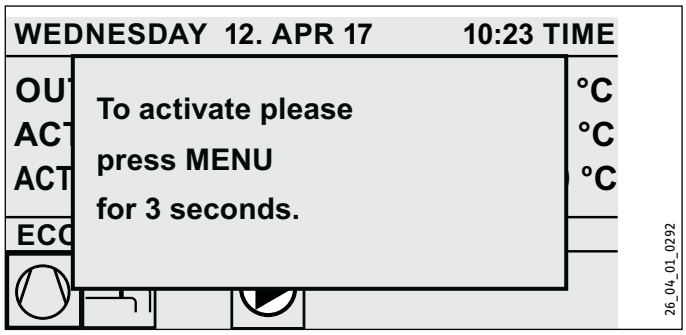


1 Date and time
2 Temperature display
3 Operating mode
4 System status picture symbols

The start screen is divided into four sections. The top field displays the date and time. In the field below, the outside temperature is displayed, along with the actual DHW temperature and the actual return temperature. The third section is for selecting and displaying the operating modes. In the fourth section, picture symbols indicate the current system status (see chapter "Operation / Symbols").

Activation

If the Touch-Wheel and keys are not used for 5 minutes, the programming unit is locked.

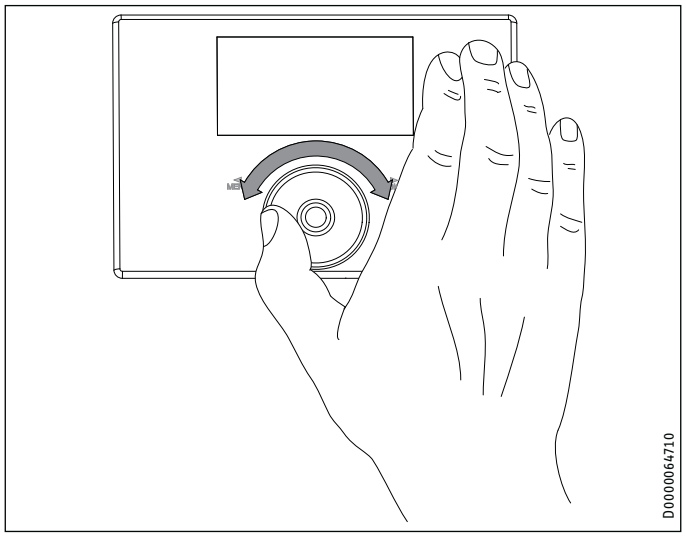


▶ Press MENU for three seconds to activate the programming unit.

Selection indicator

A selection indicator shows the current position within the menu structure at all times. The currently selected menu item is indicated by a dark background. The current menu level is indicated at the top of the display.

4.1.2 Touch-Wheel



Circular movement

Move one finger clockwise over the Touch-Wheel to move the selection indicator downwards or to the right in the list, depending on how the menu items are arranged. Circling counter-clockwise moves the selection indicator to the left or upwards in the list.

Alongside navigation within the menu structure, the Touch-Wheel is also used to set parameters. Increase the values with a clockwise motion. Reduce the values with a counter-clockwise motion.

4.1.3 Keys

Note
Tap on the keys only briefly to trigger the required action. If a key is touched for too long, the programming unit will not respond.

"MENU" key

The MENU key has two functions:

- From the start screen, tap on the MENU key to navigate to the first of 5 menu structure levels.
- Tapping the MENU key while in the menu structure will return you to the previous menu level.

"OK" key

The OK key has four functions:

- On the start screen, tapping the OK key will activate the required operating mode previously selected with the Touch-Wheel (see "Selecting operating modes").
- Within the menu structure, tapping the OK key confirms the selected menu item and takes you to the next menu level down.
- At the parameter level, tapping the OK key saves the currently set parameter.
- At every menu level, you will see the entry BACK. Selecting BACK takes you to the next higher menu level.

If there is no user input for over 5 minutes (no circular motion and neither MENU nor OK tapped), the programming unit display automatically jumps back from the menu structure to the start screen.

Parameter changes made before this which had not yet been confirmed with OK are lost. The parameters retain the values previously saved.

4.1.4 Contractor access

Note
Some menu items are protected by a code and can only be accessed and adjusted by a qualified contractor.

4.2 Symbols

At the lower edge of the display, symbols provide information about the current operating status of the heat pump.

Heating circuit pump
The heating circuit pump is in operation.

Mixer circuit pump
The mixer circuit pump is in operation.

Heat-up program
The heat-up program is enabled.

Electric emergency/booster heater
The electric emergency/booster heater has started up. This occurs, for example, when the outside temperature has fallen below the dual mode point.

Heating
The heat pump is in heating mode.

DHW heating
The heat pump is heating the DHW.

Compressor
The compressor is running.

Summer mode
The heat pump is in summer mode.

Cooling
The heat pump is in cooling mode.

Defrosting
The heat pump is in defrost mode.

Silent mode
Reduced noise mode
Silent mode is enabled. The associated time programs determine activation of the fan or compressor throttle.

Silent mode 1
The fan and / or compressor run with reduced output.

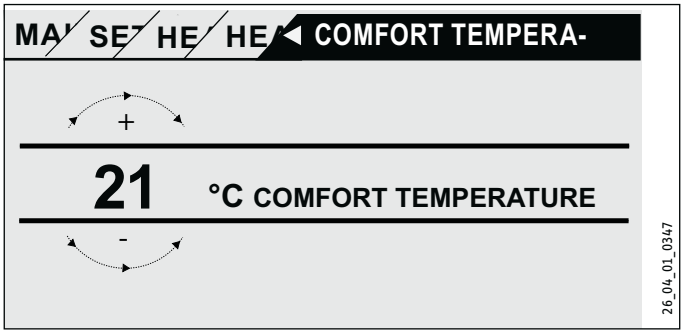
Silent mode 2
Compressor and fan are stopped. The second heat source provides the heating.
Note: This operating mode results in higher operating costs.

External set value
The heat pump regulates the temperature to the external set value (EM trend).

4.3 Entering parameters

- ▶ Change the parameters using a circular motion on the Touch-Wheel.
- ▶ To save the new value, tap OK.
- ▶ If you want to cancel the entry, tap MENU. The parameter retains the previously saved value.

Example 1: Adjusting the set room temperature.



To enter set temperatures, a number surrounded by a circle appears on the display.

- ▶ Change the value using a circular motion on the Touch-Wheel.

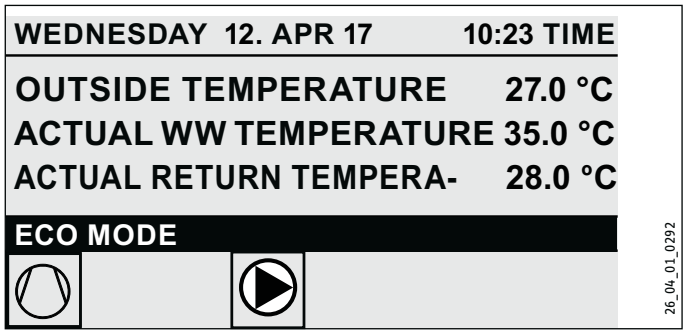
Example 2: Setting date and time.

On activation, the selection indicator is over the MONTH position.

- ▶ Confirm with OK.
- ▶ Set the month using the Touch-Wheel.
- ▶ Confirm with OK. A calendar page appears.
- ▶ Move the highlighter to the required day with the Touch-Wheel.
- ▶ Confirm with OK to store the set value.
- ▶ Set the year, hours and minutes the same way.
- ▶ Tap MENU to go up one menu level.

4.4 Selecting operating modes

On the start screen, the current operating mode is displayed (e.g. ECO MODE).



- ▶ If you want to select another operating mode, use the TouchWheel. This takes you through the list of possible operating modes. The current choice (list entry) is shown in the shaded selection field.

Note
Since navigation to a new operating mode is always made from the currently enabled mode, you may need to turn in an anti-clockwise direction. All operating modes, apart from DHW mode, apply to both heating and DHW.

- ▶ Confirm with OK.

Note
If the selection field shows POWER-OFF behind the operating mode, then the heat pump will not heat or cool during the blocking time.
The compressor and the internal electric reheating stages are switched off. If a buffer tank is installed, the heating circuit pumps will continue running.
You can ask your qualified contractor to configure an external heat source for the blocking time.

4.4.1 STANDBY MODE

Purpose: If the heat pump will not be running for a longer period.

The frost protection function is enabled.

4.4.2 PROGRAMMED OPERATION

Note
Installed remote controls are effective only in this operating mode.

Purpose: If you need heating and DHW.

Heating mode

Heating operation takes place according to the seven-day program times specified for the heating circuits. The heat pump switches between comfort temperature and ECO temperature. Within the selected seven-day program times, the heat pump heats to comfort temperature.

- ▶ Set the comfort temperature for the relevant heating circuit under SETTINGS / HEATING / HEATING CIRCUIT/COMFORT TEMPERATURE.
- ▶ Set the ECO temperature for the relevant heating circuit under SETTINGS / HEATING / HEATING CIRCUIT / ECO TEMPERATURE.
- ▶ Set the times under PROGRAMS / HEATING PROGRAM for the relevant heating circuit.

DHW heating

DHW heating takes place according to the specified seven-day program times. The heat pump switches between comfort temperature and ECO temperature. Within the selected seven-day program times, the heat pump heats to comfort temperature.

- ▶ Set the comfort temperature under SETTINGS / DHW / DHW TEMPERATURES / COMFORT TEMPERATURE.
- ▶ Set the ECO temperature under SETTINGS / DHW / DHW TEMPERATURES / ECO TEMPERATURE.
- ▶ Set the times under PROGRAMS / DHW PROGRAM.

4.4.3 COMFORT MODE

Purpose: If no reduction is to take place, e.g. in a low energy house.

Heating mode

The heating circuits (HK) are constantly held at the comfort temperature (applies to HK 1 and HK 2).

- ▶ Set the comfort temperature for the relevant heating circuit under SETTINGS / HEATING / HEATING CIRCUIT/COMFORT TEMPERATURE.

DHW heating

DHW heating takes place according to the specified seven-day program times. The heat pump switches between comfort temperature and ECO temperature. Within the selected seven-day program times, the heat pump heats to comfort temperature.

- ▶ Set the comfort temperature under SETTINGS / DHW / DHW TEMPERATURES / COMFORT TEMPERATURE.
- ▶ Set the ECO temperature under SETTINGS / DHW / DHW TEMPERATURES / ECO TEMPERATURE.
- ▶ Set the times under PROGRAMS / DHW PROGRAM.

4.4.4 ECO MODE

Purpose: If for a short period there is nobody in the building, e.g. during a weekend break.

Heating mode

The heating circuits (HK) are constantly held at the ECO temperature (applies to HK 1 and HK 2).

- ▶ Set the ECO temperature for the relevant heating circuit under SETTINGS / HEATING / HEATING CIRCUIT / ECO TEMPERATURE.

DHW heating

DHW heating takes place according to the specified seven-day program times. The heat pump switches between comfort temperature and ECO temperature. Within the selected seven-day program times, the heat pump heats to comfort temperature.

- ▶ Set the comfort temperature under SETTINGS / DHW / DHW TEMPERATURES / COMFORT TEMPERATURE.

- ▶ Set the ECO temperature under SETTINGS / DHW / DHW TEMPERATURES / ECO TEMPERATURE.
- ▶ Set the times under PROGRAMS / DHW PROGRAM.

4.4.5 DHW MODE

Purpose: When the heating period is over and only DHW is required (summer mode).

DHW heating takes place according to the specified seven-day program times. The heat pump switches between comfort temperature and ECO temperature. Within the selected seven-day program times, the heat pump heats to comfort temperature.

- ▶ Set the comfort temperature under SETTINGS / DHW / DHW TEMPERATURES / COMFORT TEMPERATURE.
- ▶ Set the ECO temperature under SETTINGS / DHW / DHW TEMPERATURES / ECO TEMPERATURE.
- ▶ Set the times under PROGRAMS / DHW PROGRAM.

Frost protection is activated for heating mode.

4.4.6 EMERGENCY OPERATION

Note
If emergency mode is enabled, higher operating costs will result because of the second heat source.

Purpose: If the heat pump can no longer function. In many cases the heat pump switches into this operating mode automatically.

Heat pumps with second internal heat source

For heat pumps with a second internal heat source, the emergency/booster heater is activated for central heating and DHW heating.

Heat pumps with second external heat source

If the heat pump is connected to an external second heat source and your qualified contractor has enabled the corresponding parameters (THREADED IMMERSION HEATER or BOILER), the operating mode can be selected. The external heat source then takes over operation of the DHW or central heating function, irrespective of the dual mode changeover point.

5. Menu

Note
Not all appliance parameters and values are displayed in the different menus; it depends which heat pump type and accessories are connected.

Note
Some menu items are protected by a code and can only be accessed and adjusted by a qualified contractor.

Note
The menu items shown in grey are visible only if the WPE heat pump extension is connected.

5.1 Menu structure

- INFO
  - SYSTEM
  - HEAT PUMP
- DIAGNOSIS
  - SYSTEM STATUS
  - HEAT PUMP STATUS
  - HEAT PUMP ANALYSIS
  - SYSTEM
  - INTERNAL CALCULATION
  - NOTIFICATIONLIST
  - RELAY TEST SYSTEM
  - RELAY TEST HEAT PUMP
- PROGRAMS
  - HEATING PROGRAM
  - DHW PROGRAM
  - COOLING PROGRAM
  - PARTY PROGRAM
  - HOLIDAY PROGRAM
  - HEAT-UP PROGRAM
  - PASTEURISATION PROGRAM
  - DHW CIRCULATION PROGRAM
  - SWIMMING POOL PROGRAM
  - SILENT PROGRAM 1
  - SILENT PROGRAM 2
- SETTINGS
  - VIEW
  - GENERAL
  - FAVOURITES
  - HEATING
  - DHW
  - HYBRID MODULE
  - COOLING
  - SWIMMING POOL
  - DIFFERENTIAL CONTROLLER 1
  - DIFFERENTIAL CONTROLLER 2
  - THERMOSTAT FUNCTION 1
  - THERMOSTAT FUNCTION 2
- COMMISSIONING
  - SOURCE
  - CHARGING PUMP CONTROL
  - HEATING
  - DHW

☐■ COMPRESSOR
☐■ SILENT MODE
☐■ POWER-OFF
☐■ SYSTEM TYPE
☐■ I/O CONFIGURATION
☐■ EMERGENCY OPERATION
☐■ RESET
☐■ SENSOR CALIBRATION
☐■ UPDATE

5.2 Menu description

Note
The appliance user can set the appliance parameters described in these operating instructions.
The remaining appliance parameters are to be found in the commissioning instructions for the heat pump manager.
Ask your qualified contractor to set the remaining appliance parameters.

■ PROGRAMS

Here you can set the times at which the individual programs are enabled.

☐■ HEATING PROGRAM
☐☐■ HEATING CIRCUIT 1
☐☐■ HEATING CIRCUIT 2
☐☐■ HEATING CIRCUIT 3
☐☐■ HEATING CIRCUIT 4
☐☐■ HEATING CIRCUIT 5

☐■ DHW PROGRAM

☐■ PARTY PROGRAM
☐☐■ HOURS

☐■ HOLIDAY PROGRAM
☐☐■ HOLIDAYS BEGINNING
☐☐■ HOLIDAYS ENDING

☐■ PASTEURISATION PROGRAM
☐☐■ START TIME
☐☐■ DAYS

☐■ DHW CIRCULATION PROGRAM

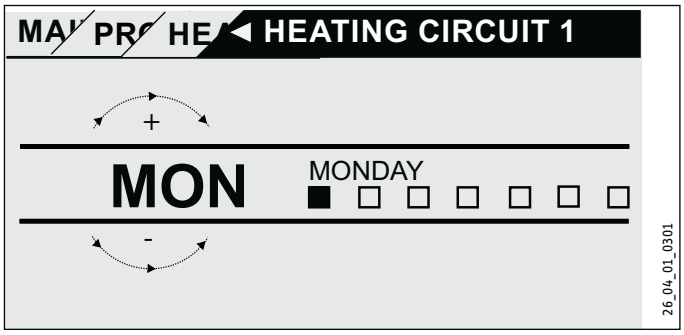
☐■ SWIMMING POOL PROGRAM

☐■ SILENT PROGRAM 1

☐■ SILENT PROGRAM 2

Example: Setting a time program

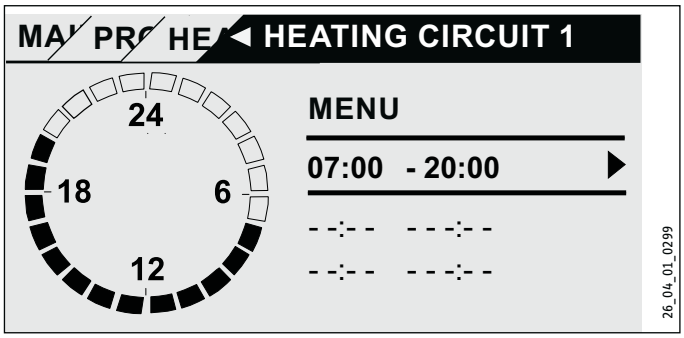
▶ Navigate to PROGRAMS / HEATING PROGRAM / HEATING CIRCUIT 1.



▶ Select the period for which you want to set the time program. You have the following options:

- For each individual day of the week (Monday - Sunday)
- Monday to Friday (Mon - Fri)
- Saturday and Sunday (Sat - Sun)
- The whole week (Mon - Sun)

▶ Turn the Touch-Wheel clockwise to select another day or a group of days. Confirm the selection with OK.

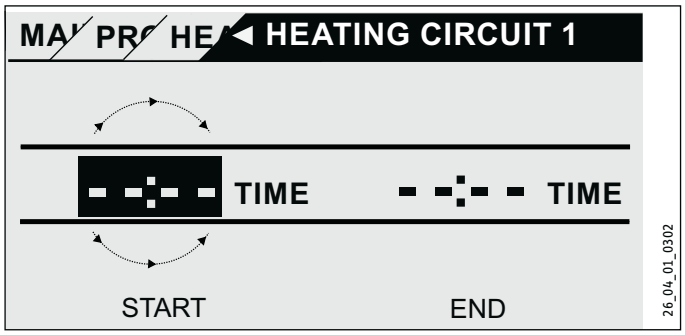


You can set three switching time pairs per day or block of days. The switching time pairs are shown on the display, to the right of the clock. Each switching time pair consists of a start time and an end time.

In this example, only one switching time pair has been programmed. The switching time pairs that are still free are represented with dashes for the time slots.

▶ Use the Touch-Wheel to select one of the free switching time pairs or the switching time pair that you wish to change. Confirm the selection with OK.

▶ Use the Touch-Wheel to select the start or end time that you wish to change. Confirm the selection with OK.



▶ Set the start or stop time using the Touch-Wheel. Confirm your entry with OK.

Periods around midnight

Switching time pairs can be programmed only up to 24:00. If you want to choose periods that extend beyond midnight, you will need to set an additional switching time pair for the following day.

Example: Assume, for example, you want heating mode to be enabled from 22:00 for four hours every Wednesday evening. The time period ends on the following Thursday at 02:00.

▶ For Wednesday, program the period 22:00 to 24:00.

▶ For Thursday, program the period 00:00 to 02:00.

Deleting switching time pairs

▶ Use the Touch-Wheel to select the switching time pair you want to delete. Confirm the selection with OK.

▶ Select the start time using the Touch-Wheel. Confirm the selection with OK.

▶ Reset the start time to "--:--" using the Touch-Wheel. Confirm your entry with OK.

By resetting the start time, the associated end time is automatically reset.

☐■ HEATING PROGRAM

Select HEATING PROGRAM to determine the times during which rooms should be heated to the set comfort value. In the periods in between, heating takes place to the set ECO value. The times are determined individually for each available heating circuit.

Note
You can set the set values for each heating circuit under SETTINGS / HEATING / HEATING CIRCUIT / COMFORT TEMPERATURE and ECO TEMPERATURE.

▶ Under HEATING PROGRAM select the heating circuit for which you want to specify the times.

☐■ DHW PROGRAM

Select DHW PROGRAM to determine the times during which DHW should be heated to the set comfort value. In the periods in between, DHW is heated to the set ECO value.

Note
You can adjust the set values under SETTINGS / DHW / DHW TEMPERATURES / COMFORT TEMPERATURE or ECO TEMPERATURE.

☐■ COOLING PROGRAM

Use the COOLING PROGRAM menu item to select the times during which cooling to the SET ROOM TEMPERATURE should take place. In the periods in between, no cooling occurs. The times are determined individually for the available cooling circuits.

Note
You can select the set values for the relevant cooling circuit under menu item SETTINGS / COOLING / COOLING CIRCUIT / SET ROOM TEMPERATURE.

☐■ PARTY PROGRAM

Note
In the start display, party mode is not displayed.

Select PARTY PROGRAM, to extend by a few hours the period in which the heat pump provides room heating to comfort temperature.

Note
You can adjust the set values under SETTINGS / HEATING / HEATING CIRCUIT / COMFORT TEMPERATURE or ECO TEMPERATURE.

▶ Use the Touch-Wheel to set the number of hours. Confirm the selection with OK.

After the period has expired, the heat pump switches to the operating mode applicable at the time.

☐■ HOLIDAY PROGRAM

In the holiday program, the heat pump provides room heating up to the ECO temperature for a freely adjustable period.

The set room temperature is reduced to the ECO temperature. Frost protection for DHW heating remains active.

The start day of the holiday period begins at 00:00. The final day of the holiday period ends at 24:00.

Select the period for which you want to enable the holiday program.

▶ Select HOLIDAYS BEGINNING. Confirm the selection with OK.

▶ Use the Touch-Wheel to select the field you want to change. Confirm the selection with OK.

▶ Use the Touch-Wheel to set the day, the month or the year. Confirm the selection with OK.

▶ Follow the same procedure in HOLIDAYS ENDING.

After the period has expired, the heat pump switches to the operating mode applicable at the time.

☐■ PASTEURISATION PROGRAM

Note
For the PASTEURISATION PROGRAM, an emergency/booster heater or external heat source must be connected.

In menu item PASTEURISATION PROGRAM, you can specify the days and times at which the DHW tank heats the content to the highest value.

☐☐■ START TIME

Here you can specify the start time at which the DHW tank heats the content to the highest value.

▶ Use the touch wheel to set the required start time. Confirm your entry with “OK”.

Deleting the start time

▶ Use the touch wheel to select the start time that you wish to delete. Confirm with “OK”.

▶ Use the touch wheel to reset the required start time to “--:--”. Confirm your entry with “OK”.

☐☐■ DAYS

Here you can set the days on which the DHW tank heats the content to the highest value.

▶ Select the days on which you wish to specify heating of the DHW tank. Confirm your entry with “OK”.

☐■ DHW CIRCULATION PROGRAM

Select DHW CIRCULATION PROGRAM to determine the times during which the DHW circulation pump is controlled according to the time program.

☐■ SWIMMING POOL PROGRAM

Select SWIMMING POOL PROGRAM to determine the times during which swimming pool water heating should take place. Outside those times, the swimming pool water heating will be switched off.

Note
You can adjust the set value under SETTINGS / SWIMMING POOL / SET TEMPERATURE.

☐■ SILENT PROGRAM 1

Select SILENT PROGRAM 1 to determine the times during which the heat pump is offset to a reduced noise mode.

By reducing the fan speed, the noise level of the heat pump is reduced. On certain heat pumps, the compressor power may also be reduced. Your qualified contractor can inform you whether both the fan speed and compressor output on your heat pump can be reduced. Both of these options can be set by your qualified contractor independently of one another.

☐■ SILENT PROGRAM 2

Note
When SILENT PROGRAM 2 is enabled, operating costs will be higher.

Select SILENT PROGRAM 2 to determine the times during which the heat pump is switched off. The internal emergency/booster heater or external heat source takes over the heating and DHW heating operations.

■ SETTINGS

Here you can change some of the settings. Your qualified contractor can set the other parameters for you.

☐■ GENERAL
☐☐■ TIME / DATE
☐☐■ SET SUMMER TIME
☐☐☐■ DAY BEGINNING
☐☐☐■ DAY ENDING
☐☐■ LANGUAGE
☐☐■ CONTRAST
☐☐■ BRIGHTNESS

☐■ HEATING
☐☐■ HEATING CIRCUIT 1
☐☐☐■ COMFORT TEMPERATURE
☐☐☐■ ECO TEMPERATURE
☐☐■ HEATING CIRCUIT 2
☐☐☐■ COMFORT TEMPERATURE
☐☐☐■ ECO TEMPERATURE
☐☐■ HEATING CIRCUIT 3
☐☐☐■ COMFORT TEMPERATURE
☐☐☐■ ECO TEMPERATURE
☐☐■ HEATING CIRCUIT 4
☐☐☐■ COMFORT TEMPERATURE
☐☐☐■ ECO TEMPERATURE
☐☐■ HEATING CIRCUIT 5
☐☐☐■ COMFORT TEMPERATURE
☐☐☐■ ECO TEMPERATURE

☐■ DHW
☐☐■ DHW TEMPERATURES
☐☐☐■ COMFORT TEMPERATURE
☐☐☐■ ECO TEMPERATURE

☐■ COOLING

☐■ GENERAL

☐☐■ TIME / DATE

Select TIME / DATE to set the current time, year, month and day.

▶ Use the Touch-Wheel to select the field you want to change. Confirm the selection with OK.

▶ Use the Touch-Wheel to set the day, the month, the year or the time. Confirm the selection with OK.

□□■ SET SUMMER TIME

Select SET SUMMER TIME, to set the summer time dates.

Summertime is factory-set to begin on March 25th and end on October 25th.

□□□■ DAY BEGINNING

Set the beginning of summer time here.

- ▶ Use the Touch-Wheel to select the field you want to change. Confirm the selection with OK.
- ▶ Use the Touch-Wheel to set the day or month. Confirm the selection with OK.

□□□■ DAY ENDING

Set the end of summer time here.

- ▶ Use the Touch-Wheel to select the field you want to change. Confirm the selection with OK.
- ▶ Use the Touch-Wheel to set the day or month. Confirm the selection with OK.

□□■ LANGUAGE

Select LANGUAGE to change the system language.

- ▶ Select the desired language using the Touch-Wheel. Confirm the selection with OK.

□□■ CONTRAST

Select CONTRAST to adjust the display contrast.

- ▶ Turn the Touch-Wheel to set the desired contrast level. Confirm the selection with OK.

□□■ BRIGHTNESS

Select BRIGHTNESS to adjust the display brightness.

- ▶ Turn the Touch-Wheel to set the desired brightness. Confirm the selection with OK.

□■ HEATING

□□■ HEATING CIRCUIT 1 | HEATING CIRCUIT 2 | HEATING CIRCUIT 3 | HEATING CIRCUIT 4 | HEATING CIRCUIT 5

With all heating circuit menu items, you can specify the parameters independently of one another.

Note
If the WPE heat pump extension is connected, you can specify separate values for heating circuit 4 and heating circuit 5.

□□□■ COMFORT TEMPERATURE

Select COMFORT TEMPERATURE to set the set room temperature for comfort mode. When the heat pump is in comfort mode (see PROGRAMS / HEATING PROGRAM or operating mode COMFORT MODE), the heat pump heats the heating water to the value set here.

- ▶ Set the desired set room temperature using the Touch-Wheel. Confirm the selection with OK.

□□□■ ECO TEMPERATURE

Select ECO TEMPERATURE to set the set room temperature for ECO mode. When the heat pump is in ECO mode (see PROGRAMS / HEATING PROGRAM or operating mode ECO MODE), the heat pump heats the heating water to the value set here.

- ▶ Set the desired set room temperature using the Touch-Wheel. Confirm the selection with OK.

□■ DHW

□□■ DHW TEMPERATURES

In the menu item for the DHW temperature, you can specify the set temperatures for comfort and ECO modes.

□□□■ COMFORT TEMPERATURE

Select COMFORT TEMPERATURE to set the set DHW temperature for comfort mode. When the heat pump is in comfort mode (see PROGRAMS / DHW PROGRAM), the heat pump heats the DHW to the value set here.

- ▶ Set the desired set DHW temperature using the Touch-Wheel. Confirm the selection with OK.

□□□■ ECO TEMPERATURE

Select ECO TEMPERATURE to set the set DHW temperature for ECO mode. When the heat pump is ECO mode (see PROGRAMS / DHW PROGRAM), the heat pump heats the DHW to the value set here.

- ▶ Set the desired set DHW temperature using the Touch-Wheel. Confirm the selection with OK.

□■ COOLING

With some heat pumps, the building can be cooled in summer. Ask your qualified contractor whether cooling is possible with your heat pump.

Your qualified contractor can set the other parameters for you.

6. Settings

6.1 Standard settings

The heat pump manager is programmed at the factory with the following standard settings:

Switching times for heating circuit 1 and heating circuit 2 (day mode); only the 1st switching time pair is programmed.	
	Standard
Monday - Friday	6:00 am – 10:00 pm (6:00 – 22:00)
Saturday - Sunday	7:00 am – 11:00 pm (7:00 – 23:00)
SETTINGS / HEATING / HEATING CIRCUIT Standard settings without night setback.	
COMFORT TEMPERATURE	68 °F (20 °C)
ECO TEMPERATURE	68 °F (20 °C)
Switching times for DHW program	
Monday - Sunday	0:00 - 24:00
SETTINGS / DHW / DHW TEMPERATURES	
COMFORT TEMPERATURE	122 °F (50 °C)
ECO TEMPERATURE	122 °F (50 °C)
Heating curve slope	
Heating curve 1	0.6
Heating curve 2	0.2

6.1.1 Changed settings

Use these tables to note down the times you have programmed.

Program: ____________________

	Switching time pair I	Switching time pair II	Switching time pair III
Mo.			
Tu.			
We.			
Th.			
Fr.			
Sa.			
Su.			
Mon-Fri			
Sat-Sun			
Mon-Sun			

Program: ____________________

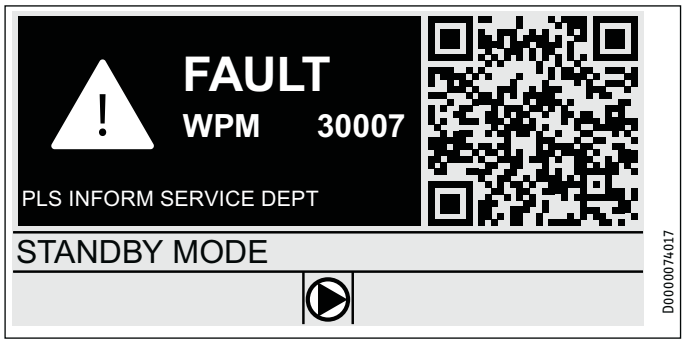
	Switching time pair I	Switching time pair II	Switching time pair III
Mo.			
Tu.			
We.			
Th.			
Fr.			
Sa.			
Su.			
Mon-Fri			
Sat-Sun			
Mon-Sun			

Program: ____________________

	Switching time pair I	Switching time pair II	Switching time pair III
Mo.			
Tu.			
We.			
Th.			
Fr.			
Sa.			
Su.			
Mon-Fri			
Sat-Sun			
Mon-Sun			

7. Notifications

If the device registers a fault, this is clearly displayed with the message shown below.



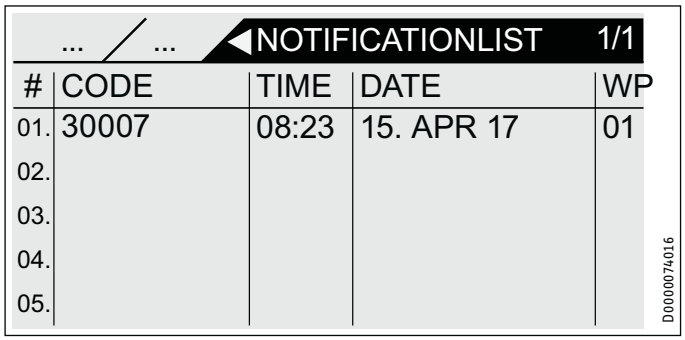
If more than one fault occurs, it is always the most recently occurring fault that is displayed.

▶ Notify your qualified contractor.

7.1 Notification list

Using the menu DIAGNOSIS / NOTIFICATIONLIST, you can display a list of the most recently registered faults on the device. The message list contains up to 50 messages.

▶ Use the Touch-Wheel to access the other entries in the message list.



8. Care

WPM heat pump manager in wall mounted enclosure

A damp cloth is all you need to care for the plastic parts. Never use abrasive or corrosive cleaning agents.

9. Troubleshooting

Problem	Cause	Solution
The controller is not responding.	A malfunction in the controller.	Disconnect the entire heating system from the power supply. Switch the system on again.
The heat pump does not start or does not respond as expected.		

Guarantee

The guarantee conditions of our German companies do not apply to appliances acquired outside of Germany. In countries where our subsidiaries sell our products a guarantee can only be issued by those subsidiaries. Such guarantee is only granted if the subsidiary has issued its own terms of guarantee. No other guarantee will be granted.

We shall not provide any guarantee for appliances acquired in countries where we have no subsidiary to sell our products. This will not affect warranties issued by any importers.

Environment and recycling

We would ask you to help protect the environment. After use, dispose of the various materials in accordance with national regulations.

NOTES

NOTES

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