USER MANUAL

OJ ®

Type MCC4/MCD4

English

Contents

Introduction

The thermostat can switch on your heating system at predetermined times on different days of the week. For each day of the week, you can set individual temperatures for 4 or 6 different periods, called events. Lowering the temperature when the home is unoccupied will reduce your energy costs without reducing comfort.

The thermostat comes with a default schedule suitable for most homes. Unless you change the settings, the thermostat will operate in compliance with the default schedule.

Furthermore, the thermostat features an adaptive function that automatically changes heating period start times so as to ensure that the required temperature is reached at the set time. After three days the adaptive function has learned when the heating must be switched on.

First time settings

The first time you switch the interrupter ON "**I**", language, time and date must be set. The menu will automatically guide you through the process.

• Choose your language with the Up and Down buttons and confirm with **OK**.

• Set the actual hour and press the **OK** button. Then set the minutes. Press **OK**.

• Set the actual date: year, month and day. Confirm the settings with the **OK** button.

The thermostat is now ready for use and will control your heating in accordance with the pre-programmed event schedule, see **Factory settings**.

Power interrupter ········

14:08 Wed

20°C

Comfort Menu Manual

Navigation buttons
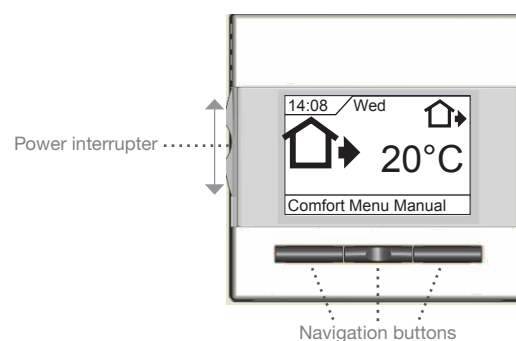
General operation

The interrupter button allows you to turn the thermostat on "**I**" and off "**0**" by sliding the button up and down. When the thermostat is switched off "**0**", the relay disengages. All settings, including time and date, will be remembered.
The thermostat is intuitively operated using the navigation buttons. The function of each button is indicated above the button in the display.

Back

In various parts of the menus and submenus you will find the **Back** menu item.
Use **Back** to return to the last step.

Exit

Returns to initial dispay.

Operation mode

The thermostat features three different modes of temperature control:

Auto mode

☼ Select Auto if you want the temperature to be controlled automatically via the 4-event schedule.

Manual mode

✎ Select Manual to cancel the programmed event schedule (e.g. during holidays) and to set the required temperature manually. You may, for example, want to adjust the temperature to 5°C for frost protection while you are away.
• Press **Manual**, confirm with **OK** and choose the required temperature.

Comfort mode

Select Comfort to set a temporary comfort temperature (so-called party mode) for a single event.
• Press **Comfort**, confirm with **OK** and choose the required temperature. Then enter the required duration of comfort mode.
After the set time has elapsed, the thermostat will automatically revert to **Auto mode**.
Please note: Comfort mode is a temporary manual setting that will be automatically cancelled by the next event in the programmed 4-event schedule.

Thermostat setup menus

The menu allows you to select the following options:

Event settings

Allows you to have the temperature controlled automatically in accordance with a program of your own choice. You can select temperature settings for four different events during the day:

Event settings
OK

4-Event: 6-Event:

☼ Morning   ☼ Morning

🏠 Daytime   🏠 Daytime

🏠 Evening   🏠 Daytime2

☽ Night   🏠 Evening

                     🏠 Evening2

                     ☽ Night
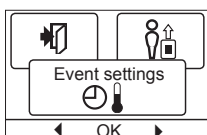
The thermostat is pre-programmed with a event schedule for easy and economic heating control, see **Preset schedule** under **Factory settings**. The schedule can be easily changed in the following way:

1. Press the **OK** button to activate the event settings display.
2. Choose the days for which you want to change the settings, **Mon-Fri** or **Sat-Sun** using the up or down button. Press **OK**.
3. Now select the time and temperature for each daily event in the program. Press **OK** and set the start time for the event concerned. Confirm with **OK**. Set the temperature for this event and confirm with **OK**.
4. After setting the required events, select **Exit** in the menu to return to the initial display.

Temp
5.0°C 25°C 40.0°C
       OK

Time
Min ☼ Max
06:00 05:00 08:00
       OK
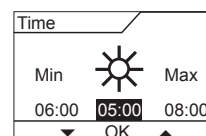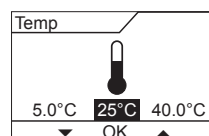
User settings

In the user settings menu you can change the following items:
• Time and date
• Child lock
• Display settings
• event schedule
• Energy monitor

User settings
OK
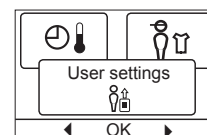
Time and date

Press **OK** and set the actual time in hours and minutes.
The date will then be displayed. Set the date and confirm with **OK**.
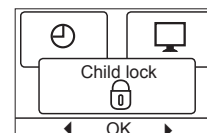
Time and date
OK
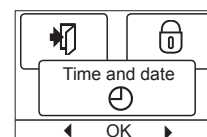
Child lock

Allows you to lock the thermostat settings, e.g. in public or other places where you do not want the settings changed.
Press **OK** and set the child lock to **On** using the down button. Confirm with **OK**.
The child lock can be unlocked by pressing both the **Comfort** and **Manual** buttons simultaneously for 5 seconds.

Child lock
OK

Display settings

Allows you to select what is shown on the initial display.

Display settings
OK

**Time/day:**   Shows the actual time and day at the top of the display.
Set temp.:   Shows the current temperature setting.
Act. temp.*: Shows the actual measured temperature.
Scr. saver: Switches off the display after 30 seconds if no button is pressed. Any subsequent press of a button reactivates the display. The thermostat remains on and runs the selected program.

Press the OK button to select or deselect the display options. Then select **Exit** in the menu to return to the initial display and view your chosen settings.
* : Only with floor application
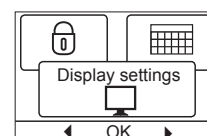
Event schedule

Allows you to choose the type of weekly event schedule you require.

4-event:

5:2 : Monday to Friday with 4 events and Saturday to Sunday with 2 events. Typically used if you work from Monday to Friday.

6:1 : Monday to Saturday with 4 events and Sunday with 2 events. Typically used if you work from Monday to Saturday.

7:0 : Monday to Sunday with 4 individual events. Allows you to choose individual programs for each of the 7 days of week.

6-event:

5:2 : Monday to Friday with 6 events and Saturday and Sunday with 2 events. Typically used if you work from Monday to Friday.

6:1 : Monday to Saturday with 6 events and Sunday with 2 events. Typically used if you work from Monday to Saturday.

7:0 : Monday to Sunday with 6 individual events. This allows you to choose individual programs for each day of the week.

0:7 : Monday to Sunday with 6 individual events, with the same program for all days of the week. Select the required 4 or 6-event schedule and confirm with **OK**. For instructions on programming the time and temperature for the event schedule, see **event settings**.
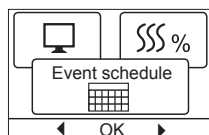
Energy monitor

Allows you to view energy consumption for the past 2 days, 30 days or 365 days. Press **OK** for the chosen period. The value in per cent (%) shows the relative amount of time the heating has been on. The following figure is the cost for the selected period. To ensure correct calculation, check the settings for currency, price per kWh and load.

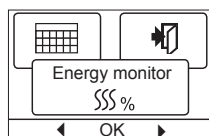Currency: Press **OK** and chose the required currency. Confirm with **OK**.

Cost/unit: Press **OK** and set the actual cost of electricity. The cost must be entered per kWh. Press **OK**.

Load: Press **OK** and enter the connected heating power. The value must be in watt (W). Press **OK**. Leave the menu by pressing **Exit**.

Engineer settings

The Engineer settings menu contains the following options:
- Offset temperature
- Adaptive function
- Application
- Temperature scale
- Language
- Factory reset
- Information

Offset temperature

If the actual measured temperature does not corresponding to the thermostat value, you can adjust the thermostat by offsetting the temperature.

Press **OK** and enter the value of the measured temperature. Confirm with **OK**.
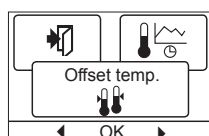
Adaptive function

Ensures that the required temperature has already been reached when you get up in the morning or come home from work. After just a few days, the adaptive function will have automatically calculated when the heating must be turned on.

Press **OK** and set the function to **On**. Confirm with **OK**.
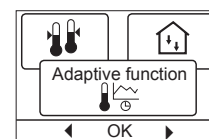
Application

Set the type of regulation used.

There are 4 options:

Floor reg. : The thermostat regulates floor temperature only. A floor sensor must be connected.

Room reg. : The thermostat regulates room temperature only.

Room/limit : The thermostat regulates room temperature with min. and max. limits for floor temperature. A floor sensor must be connected.

Regulator : The thermostat functions as a simple regulator and no sensors are used. The setting is a percentage.
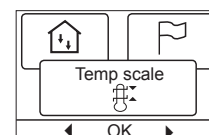
Press **OK** and select the required application. Confirm with **OK**.
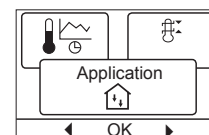
Temperature scale

Allows you to set the temperature range within which the thermostat can be set. It is then only possible to set a temperature within this range in auto, comfort and manual mode. Press **OK** to highlight **Min** temperature. Use the up or down button to select the minimum permissible temperature. Press **OK** and select the maximum permissible temperature. Confirm the settings with **OK**.
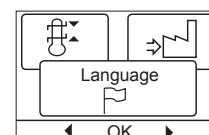
Language

Allows the language used on the display to be changed.

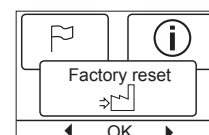Press **OK** and select the required language. Confirm with **OK**.

Factory reset

Allows factory settings to be restored. Your personal settings will be lost, see **Factory settings**.

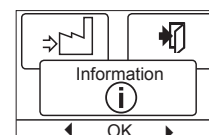Press **OK** and choose **Reset** in the menu. Confirm with **OK**.

Information

Displays the thermostat software version.

Back

In various parts of the menus and submenus you will find the **Back** menu item.

Use **Back** to return to the last step.

Exit

Returns to initial dispay.

Error messages

If a fault or error occurs, the thermostat will display an error code as follows:

E0: Internal failure. The thermostat is defective. Replace thermostat.

E1: Internal sensor defective or short-circuited.

E2: External sensor defective or short-circuited.

E5: Internal overheating. Inspect the installation.

Factory settings
Preset schedule

Day 1-5			
Event	**Time**	**With floor sensor**	**With room sensor**
Morning	06:00-08:00	25 °C	20 °C
Daytime	08:00-16:00	20 °C	15 °C
Daytime2*	08:00-16:00	25 °C	20 °C
Evening	16:00-23:00	20 °C	15 °C
Evening2*	16:00-23:00	25 °C	20 °C
Night	23:00-06:00	20 °C	15 °C
Day 6-7			
Event	**Time**	**With floor sensor**	**With room sensor**
Morning	08:00-23:00	25 °C	20 °C
Night	23:00-08:00	20 °C	15 °C

** Depending on the chosen schedule, see **User Settings/Event schedule.***