

User Guide

for EHE0200153 & EHE0200154 Programmable Room Thermostat

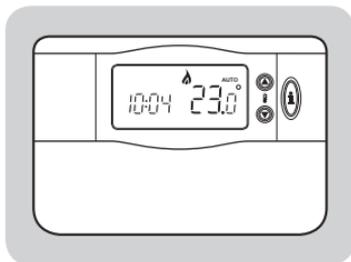
Description

The EHE0200153 & EHE0200154 are programmable room thermostats designed to control your heating system efficiently, providing comfortable temperatures when you are at home and energy savings when you are away. The following instructions explain how to program and use the thermostat to provide the most home comfort at the least cost.

Features of the EHE0200153

- Ergonomic user interface featuring an 'OK-button'.
- Large LCD (Liquid Crystal Display) Screen.
- 4 independent temperature levels (from 5°C to 35°C).
- Built-in Memory holds the user program indefinitely.

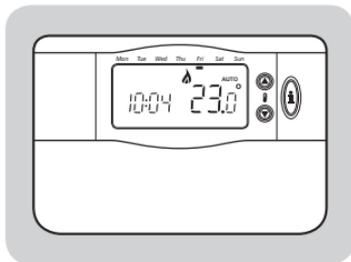
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Features of the EHE0200154

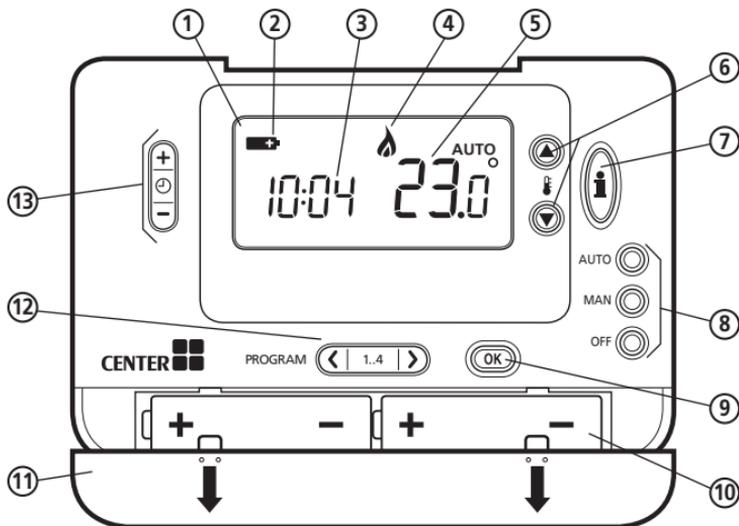
- Ergonomic user interface featuring an 'OK-button'.
- Large LCD (Liquid Crystal Display) Screen.
- 7-day heating program to match your lifestyle, whilst maximising energy savings.
- 4 independent temperature levels per day (from 5°C to 35°C).
- Built-in Memory holds the user program indefinitely.

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Controls Layout



- | | |
|------------------------------|--------------------------|
| ① LCD Screen | ⑧ Operating Mode Buttons |
| ② Battery Low Indicator | ⑨ OK Button |
| ③ Time Display | ⑩ Battery Compartment |
| ④ Burner On Indicator | ⑪ Battery Cover |
| ⑤ Temperature Display | ⑫ Program Buttons |
| ⑥ Temperature Change Buttons | ⑬ Time Change Buttons |
| ⑦ Temperature Enquiry Button | |

Setting-up the EHE0200153

This section shows you how to setup and run the thermostat in 3 simple steps:

STEP 1: Installing the Batteries

Note: Please follow the instructions in this section only if the thermostat screen is blank (no symbols or digits are displayed). If the room temperature is already displayed move on to **Step 2: Setting the Time**.

To install the Batteries:

- Lift up the front cover of the thermostat to reveal the battery cover and product controls.
- Remove the battery cover by pressing down and sliding out.
- Insert the 2 x AA LR6 Alkaline Batteries supplied with the thermostat, ensuring the correct orientation (see '**Controls Layout**' on page 2).
- After a short pause the thermostat will display information on the screen and is now ready for use.
- Replace the battery cover by sliding it firmly back into the front of the thermostat.

STEP 2: Setting the Time

To set the Date and Time:

- Press either of the   or  buttons once to enter time setting mode. The LCD screen flashes the time digits (when the unit is powered for the first time the display shows 12:00).
- Use the   or  buttons to set the correct time then press the  button to confirm. Each press of the buttons will change the time by one minute and holding them down will change the time slowly at first and get progressively quicker.

Note: If this mode is entered accidentally then press the **AUTO**, **MAN** or **OFF** buttons to exit.

STEP 3: Running the Built-in Heating Program

The thermostat is now ready for operation. Press the **AUTO** button and the built-in heating program will start running.

Note: The built-in heating program has been designed to provide normal comfort requirements, but if you want to customise the settings please see the next section '**Programming the EHE0200153**'.

Programming the EHE0200153

The Built-in Heating Program

The built-in heating program has 4 temperature level changes that can be set between 3.00am and 2.50am the following day - allowing you to maintain the evening temperature after midnight. Each temperature level can be set between 5°C and 35°C, and adjusted in 0.5°C increments. The factory default program for heating is as follows.

Period	1	2	3	4
Time	6:30	8:00	18:00	22:30
Temperature	21°C	18°C	21°C	16°C

Reviewing the Heating Program

To review or edit the heating program use the **PROGRAM** (◀) or (▶) buttons to navigate between the 4 individual programming periods.

Modifying the Heating Program

To change the heating program:

- a. Press either of the **PROGRAM** (◀) or (▶) buttons to enter the programming mode. The time / temperature settings for period (1) will be flashing as shown. The active period is highlighted by a flashing square around the numbers at the bottom of the screen.



- b. To adjust the period start time use the (⊕) or (⊖) buttons, the display will stop flashing and the 'OK?' indicator will be displayed. Holding the button down will change the time quickly. **Note:** If you are pressing the (⊕) or (⊖) buttons and the display flashes the next period, it means the next period will be pushed forward.
- c. Once the required time is reached press the (OK) button to confirm.
Note: If the original time setting did not require adjustment press the (OK) button to move to step 'd'.
- d. The temperature setting for period (1) will now be flashing. To adjust this press the (▲) or (▼) buttons and confirm the setting again by pressing the (OK) button.
- e. The next time and temperature period will now be active. Adjust this by repeating steps b - d above until all 4 periods are set or press the **AUTO** button to run the program as set, at any time.

Disabling / Enabling Time Periods

The thermostat has 4 periods that can be programmed, but you may not need all of these switch points for your heating requirements. Therefore, any period from 2 to 4 can be removed from (or returned to) the heating program profile.

To disable or enable time periods:

- a. To disable unwanted periods go to the desired period (2) to (4) using the **PROGRAM** (←) or (→) buttons to navigate, ensure the correct period is highlighted with the flashing square symbol. Press and hold the (i) button for at least 2 seconds and the display will indicate the period has been removed from the program.
- b. To enable periods again follow the same procedure as above, navigating to the already disabled period. To enable this period again press and hold the (i) button for at least 2 seconds.

Operating the EHE0200153

Choosing the Operating Mode

The thermostat can operate in three different modes: Automatic, Manual or Off. To set the operating mode press either of the **AUTO**, **MAN** or **OFF** buttons. The screen indicates which mode is currently active by displaying **AUTO**, **MAN** or **OFF**.

- **AUTO (automatic)** mode sets the thermostat to follow the built-in temperature program (default or personalised). Operating the thermostat in this mode is the best way to maintain a high level of temperature comfort whilst maximising your energy savings.
- **MAN (manual)** mode sets the thermostat to act as a simple thermostat with a fixed setpoint throughout the day. The setpoint can be adjusted from 5°C to 35°C by using the (▲) or (▼) buttons. The thermostat will continue to maintain this temperature until another operating mode or temperature is selected.
- **OFF** mode sets the thermostat to control to a minimum temperature setting of 5°C (default) that acts as a frost protection measure for your home.

During Normal Operation

• Temperature Enquiry

In **AUTO**, **MAN** and **OFF** operating modes the thermostat will display the current room temperature. To review the programmed 'target' temperature (the temperature which the thermostat is trying to maintain) press the (i) button. This 'target' temperature value will be displayed flashing for 5 seconds before returning to the current room temperature value.

• Temperature Override

During normal operation (**AUTO** mode) the programmed temperature can be adjusted manually by pressing the (▲) or (▼) buttons or the (i) button. The 'target' temperature will be displayed and flash for 5 seconds - during this time the (▲) or (▼) buttons can be used to modify the set value.

Note: This temperature override is cancelled at the next programmed temperature change.

Adjusting the Time

To adjust only the time during normal operation use the (+) or (-) buttons to adjust the time and press the (OK) button again to confirm any changes.

Troubleshooting the EHE0200153

Symptom	Remedy
Blank Display (Power Loss).	Check batteries are installed by removing the battery cover. Check batteries have been installed in the correct orientation. Replace the batteries.
Display shows flashing  symbol.	The batteries in the thermostat are low on power - Replace the batteries.
Display shows  symbol.	A fault has occurred in your heating system. Remove and re-insert the batteries. If the  symbol does not clear after a few minutes contact your installer.

FAQ's

How do I change the batteries on the thermostat when they run out?

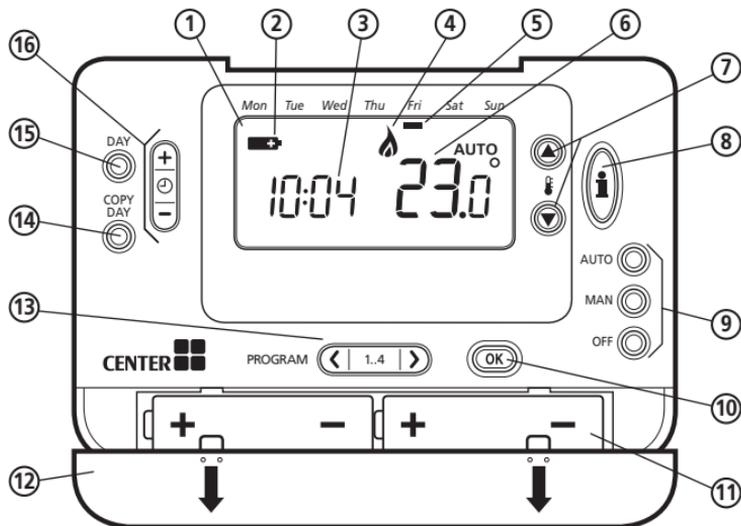
The thermostat constantly monitors the battery power level, which typically lasts for about 2 years before the batteries need to be replaced. When the power is running low a flashing  symbol will be displayed on the screen. To change the batteries follow the steps in the above section ('**STEP 1: Installing the Batteries**' on page 3), replacing the used batteries with new ones in Step c. Note: While changing the batteries your program settings will be stored but you may need to adjust the time settings to be correct.

How do I set one temperature for the whole day?

To operate as a simple thermostat with one temperature throughout the day, select the manual operating mode by pressing the **MAN** button. Adjust the temperature by pressing the  or  buttons - this can be set anywhere from 5°C to 35°C in 0.5°C steps. The thermostat will continue to maintain this temperature until another operating mode is selected or the temperature is adjusted.

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Controls Layout



- | | |
|------------------------------|--------------------------|
| ① LCD Screen | ⑨ Operating Mode Buttons |
| ② Battery Low Indicator | ⑩ OK Button |
| ③ Time Display | ⑪ Battery Compartment |
| ④ Burner On Indicator | ⑫ Battery Cover |
| ⑤ Day Indicator | ⑬ Program Buttons |
| ⑥ Temperature Display | ⑭ Copy Day Button |
| ⑦ Temperature Change Buttons | ⑮ Set Day Button |
| ⑧ Temperature Enquiry Button | ⑯ Time Change Buttons |

Setting-up the EHE0200154

This section shows you how to setup and run the thermostat in 3 simple steps:

STEP 1: Installing the Batteries

Note: Please follow the instructions in this section only if the thermostat screen is blank (no symbols or digits are displayed). If the room temperature is already displayed move on to **Step 2: Setting the Date and Time**.

To install the Batteries:

- a. Lift up the front cover of the thermostat to reveal the battery cover and product controls.
- b. Remove the battery cover by pressing down and sliding out.
- c. Insert the 2 x AA LR6 Alkaline Batteries supplied with the thermostat, ensuring the correct orientation (see '**Controls Layout**' on page 2).
- d. After a short pause the thermostat will display information on the screen and is now ready for use.
- e. Replace the battery cover by sliding it firmly back into the front of the thermostat.

STEP 2: Setting the Time

To set the Date and Time:

- a. Press the **DAY** button once and the 'day indicator' will begin to flash.
- b. Press the **DAY** button until the correct day is reached (Day 1 = Monday). Press the **OK** button to confirm.
- d. Press either of the **+** or **-** buttons once to enter time setting mode. The LCD screen flashes the time digits (when the unit is powered for the first time the display shows 12:00).
- e. Use the **+** or **-** buttons to set the correct time then press the **OK** button to confirm. Each press of the buttons will change the time by one minute and holding them down will change the time slowly at first and get progressively quicker.

Note: If this mode is entered accidentally then press the **AUTO**, **MAN** or **OFF** buttons to exit.

STEP 3: Running the Built-in Heating Program

The thermostat is now ready for operation. Press the **AUTO** button and the built-in heating program will start running.

Note: The built-in heating program has been designed to provide normal comfort requirements, but if you want to customise the settings please see the next section '**Programming the EHE0200154**'.

Programming the EHE0200154

The Built-in Heating Program

The built-in heating program has 4 temperature level changes per day that can be set between 3.00am and 2.50am the following day - allowing you to maintain the evening temperature after midnight. Each temperature level can be set between 5°C and 35°C, and adjusted in 0.5°C increments. The factory default program for heating is as follows.

Monday to Friday (Day 1 to 5)

Period	1	2	3	4
Time	6:30	8:00	18:00	22:30
Temperature	21°C	18°C	21°C	16°C

Saturday & Sunday (Day 6 & 7)

Period	1	2	3	4
Time	8:00	10:00	18:00	23:00
Temperature	21°C	21°C	21°C	16°C

Reviewing the Heating Program

To review or edit the heating program use the **PROGRAM** (◀) or (▶) buttons to navigate between the 4 individual programming periods for that day. Use the **DAY** button to step through each day of the week, so the complete 7 day heating program can be reviewed or edited.

Modifying the Heating Program

To change the heating program:

- Press either of the **PROGRAM** (◀) or (▶) buttons to enter the programming mode. The time / temperature settings for period 1 on Monday (Day 1) will be flashing as shown. The active period is highlighted by a flashing square around the numbers at the bottom of the screen and the selected day is shown with the day indicator.



- To adjust the period start time use the (◂) (+) or (▸) (-) buttons, the 'OK?' indicator will be displayed to confirm the change. Holding the button down will change the time quickly.

Note: If you are pressing the (◂) (+) or (▸) (-) buttons and the display flashes the next period, it means the next period will be pushed forward.

- Once the required time is reached press the **OK** button to confirm.

Note: If the original time setting did not require adjustment press the **OK** button to move to step 'd'.

Programming the EHE0200154

- d. The temperature setting for period 1 on Monday (Day 1) will now be flashing. To adjust this press the  or  buttons and confirm the setting again by pressing the  button.
- e. The next time and temperature period will now be active. Adjust this by repeating steps b - d above until all 4 periods are set for Monday or press the **AUTO** button to run the program as set, at any time.

You now have a choice of how to set the program for the next day:

- f. i) Press the **COPY DAY** button to copy Monday's program into Tuesday. The display will go blank apart from the 'non flashing' day indicator, which indicates the day copied and the 'flashing' target day to copy the program to. To accept this day press the  button. To select a different target day press the **DAY** button until the 'flashing' day indicator is under the required day, then accept it by pressing the  button. **Note:** *Once the target day is confirmed it becomes the day that is copied if the **COPY DAY** button is pressed again.*

OR

- ii) Press the **DAY** button to move the day indicator to Tuesday (Day 2). The program for that day can then be adjusted by following steps **b to e**. Programs for the remaining days can be set in the same way, using the **DAY** button to move to the next day.

To exit the programming mode select the desired operating mode by pressing the **AUTO**, **MAN** or **OFF** buttons. **Note:** *To run the adjusted program select the **AUTO** mode.*

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For further information telephone 0870 8506538

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