

The CZC1 sends a radio signal every minute. When the heater receives the signal, the light winks off briefly and may change colour. When you switch the heater on, the light is always green until the first signal.

Your heater has a control light which may be green - when no heat is needed
yellow - when some heat is needed to maintain the room temperature
red - when the heater is on at full power

Once installed, your heater is controlled by a Celsius Zone Controller, CZC1. The CZC1 is a wireless (433MHz) thermostat giving high precision room temperature control. It is also a seven day programmer with up to six temperature settings per day. Each CZC1 can control any number of heaters.

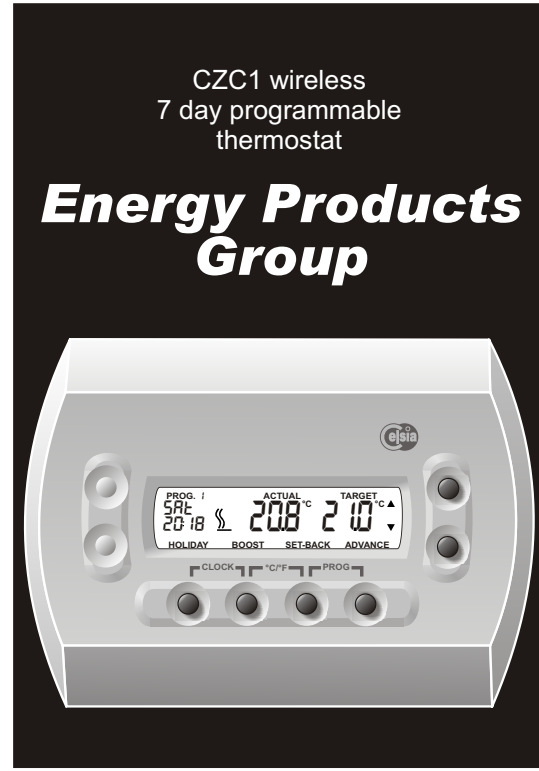
Your heater

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The CZC1 complies with the essential requirements of directive 1999/5/EC. A copy of the declaration of conformity can be obtained by contacting Energy Products Group.
V1



Installing your CZC1

The Celsius Zone Controller, CZC1, is a wireless (433MHz) thermostat giving high precision room temperature control. It is also a seven day programmer with up to six temperature settings per day. Each CZC1 can control any number of heaters.

1 Insert 2 AA alkaline batteries

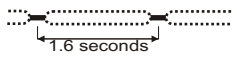
Insert 2 new AA batteries.
See *Battery Replacement* for further details.

Now proceed to stage 2; *Connect your heater.*

2 Connect your heater

For it to work, you first need to establish a radio connection between your heater and your CZC1.

1. Switch the heater's mains supply off.
2. Switch it on for a few seconds then switch it off again.
3. When you next switch it on it will be listening for the CZC1's connection signal. The light flashes every 1.6 seconds. This means that a connection can be made to the heater.



If the light is not flashing no connection can be made, retry the procedure.

4. Press the button on the back of the CZC1. This causes it to send a connection signal. The light does a final 1.4 second flash off and then comes on again showing that the heater is now connected.

If the heater sees no connection signal for 60 seconds it will return to normal operation with its connection unaffected. Now that it's connected you shouldn't ever have to do it again, though you may also wish to follow this procedure if you add more heaters or move your heater to another CZC1.

3 Choosing a position in the room

The CZC1 should be positioned in a place where its temperature will not be changed by local effects. Avoid:

- Draughty places near windows, doors and vents.
- Places near the heater itself or any other heat sources in the room.
- Places where the sun will shine on it.
- Places where, for example, it could be hit by a door.
- Places where it may get wet.

4 Testing your connection

With the CZC1 in position use ▲ and ▼ to get the power bars to appear (See *Quick Adjust* for more details). Then check that the heater turns on. If the heater does not come on you will have to reposition your CZC1.

5 Fixing your CZC1 to the Wall

Remove the wall plate from the rear of the CZC1 and mark through the screw holes on the rear (60 mm centres). Drill and plug the wall to accept No. 6 or No. 8 screws and mount the wall plate. Clip the CZC1 back onto the wall plate.

Battery replacement

A pair of good quality alkaline batteries will last at least 2 years. The low battery symbol appears when it is time to replace them. If you don't replace them for 2 weeks the symbol will start to flash. You must reset the clock after changing batteries but all other settings are unaffected.

To avoid corrosion damage always use new batteries. The manufacturer is not responsible for damage due to corrosion.

Time, Day and Program

Here you can see the current time and day of the week. **PROG.** shows which step of the program it is currently on.

Holiday (no heating)

Pressing **HOLIDAY** switches heating to 4°C (frost protection) or it remains at 'no heating' if it was previously showing ---. It stays like this until you press **CLEAR**.

Boost (full power)

Press **BOOST** to turn the heater on full power for an hour. If you press **BOOST** again it adds another hour up to a maximum of 4 hours. You can use ▲ and ▼ to adjust the minutes. Boost ends when the time runs out, or you can cancel it by pressing **CLEAR**.

Locking the CZC1

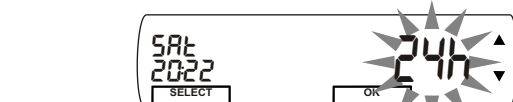
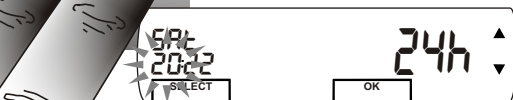
You can lock the CZC1 to prevent tampering. When locked all buttons are disabled. **HOLIDAY**, **BOOST**, **SET-BACK**, **ADVANCE**, ▲ and ▼ are not displayed.

To lock it press **SET-BACK** and **ADVANCE** together to enter program setting, then press the button on the back.

To unlock press **SET-BACK** and **ADVANCE** together, release them, then press the button on the back within 2 seconds.

Setting the Time and Day

To set the clock press **HOLIDAY** and **BOOST** together. The hours will start to flash and you can adjust them with ▲ and ▼. Using **SELECT** you can adjust minutes, day of week or change from 24 hour clock to 12 hour clock. When you are finished press **OK**.



Power and Transmit symbols

25% 50% 75% 100% As your room reaches the target temperature, heating is reduced from 100% 4 bars to 0% no bars.

The radio transmit symbol appears whenever the CZC1 transmits to your heater. This happens about once per minute.

Actual and Target Temperature

Actual is a thermometer showing the room temperature. Target is the temperature you would like. It is set manually or by the program and can be --- when no heating is needed.

Quick Adjust

During normal operation you can use ▲ and ▼ to alter the temperature. The effect is temporary; it reverts to normal temperature on the next prog or when you press other buttons. You can set it to --- (no heating), 4°C (frost protection) or anything from 14°C to 30°C.

If you press ▲ and ▼ together, it displays **FAN**. The heater operates as normal, but, if it is a fan heater the fan will run continuously. It reverts to normal on the next prog or when you press **CLEAR**.

The ▲ and ▼ buttons are used to adjust other things when you are setting the program or the clock. They adjust whatever is shown flashing on the display.

Advance (early bird)

Press **ADVANCE** if you wish to bring forward the next prog; for instance if you arrive in or leave the room earlier than normal. The program stays Advanced until the prog's normal time or until you press **CLEAR**.

Set-Back (economy)

For economy press **SET-BACK**. The 7 day program continues to run but all temperatures (except frost) are lowered by 5°C. Set-Back continues until you press **CLEAR**.

Factory set program

On each weekday it is 21°C from 6:30am to 8:30am, then 4°C (frost protection) until 4:30pm, then it is 21°C until 11:00pm and finally 4°C until prog.1 the next day.

Press ▲ and ▼ together from *Setting the 7 day program* to restore this program.

Frost Protection 4°C

For frost protection, set the Target temperature to 4°C. There is no frost protection if you set it to ---. The snowflake symbol appears if the Actual temperature ever falls below 4°C.

Centigrade or Fahrenheit

Pressing **BOOST** and **SET-BACK** together changes Actual and Target temperature between Centigrade and Fahrenheit.

20.8°C 69.4°F

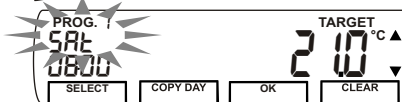
Setting the 7 day program

To set the program press **SET-BACK** and **ADVANCE** together. This will take you to stage 1 below. You can program the CZC1 with up to 6 temperature progs per day.

Program times cannot overlap, for example if prog.3 Mon is 16:30 then prog.2 Mon can only be set to times before 16:30.

Note: You might accidentally "lock" the CZC1 while setting the program. To unlock it see *Locking the CZC1*.

1 The prog number and day will flash. You can change it with ▲ and ▼. **SELECT** takes you to stage 2.



2 The time flashes. You can adjust it with ▲ and ▼. **SELECT** takes you to stage 3.

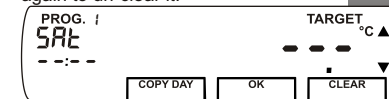


3 The temperature flashes. You can adjust it with ▲ and ▼ for room temperature, 4°C (frost protection) or --- (no heating). **SELECT** returns to stage 1.



4 When you have finished setting the program press **OK** to return to normal operation.

Clearing A Prog: If you clear a prog it displays as ---, ---°C and the prog is ignored. From stage 1 press **CLEAR** to clear a prog and press it again to un-clear it.



Copy Day: Use this to copy all 6 progs from the day you were adjusting to another day. Press **COPY DAY** to actually do the copy. **CLEAR** returns to stage 1.



Manual Operation: If you clear all 6 progs in all 7 days, there is no program at all. The temperature control is done entirely by *Quick Adjust*.