

ecolec®

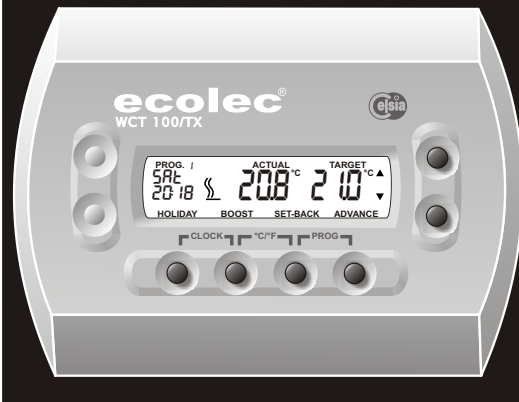
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The CZC1 complies with the essential requirements of directive 1999/5/EC. A copy of the declaration of conformity can be obtained by contacting Ecolec.

V24

ecolec®

WCT 100/TX wireless
 7 day programmable
 thermostat



Your heater (single light)

Your heater has a control light which may be
 green - when no heat is needed to maintain the
 room temperature
 red - when the heater is on at full power or
 running at factory set surface control
 temperature (Panel heater only)
Manual Control (Panel heater only)
 When you switch the heater on it simply heats up to its
 factory set surface temperature. The red light is always on.

Remote Control (Panel and Fan heater)

The WCT 100/TX 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.
 A slow flashing green light means that, for
 1.6 seconds
 5 minutes, no WCT 100/TX radio signals
 have been received. Follow the steps in **START HERE** to fix
 this.

Your heater (dual lights)

Your heater has a red and a green light. The green light
 depends on the type of control described below.
Manual Control (Panel heater only)
 When you switch the heater on it simply heats up to its
 factory set surface temperature. The green light is always on.
Remote Control (Panel and Fan heater)
 After following the steps in **START HERE** to connect your
 heater, your heater will now be under the WCT 100/TX
 control.
 The panel heaters green light is normally off and the red light
 shows whether the heater's element is on or off (it cycles on
 and off to maintain the correct temperature).
 The fan heater's red light is on when the heater's first
 element is on and the green light is normally on when the fan
 and second element are on but it also flashes in various
 patterns:

Two flashes means
 the heater has just received a radio message from the WCT
 100/TX, adjusting its power output. It will not heat until it has
 received one of these. They happen about once a minute.
 After reception there may be several seconds before the
 element actually switches on.
 Repeated flashes are
 shown during connection. See **START HERE**.

START HERE

Once installed, your heater is controlled by a Celsia Zone
 Controller, WCT 100/TX. The WCT 100/TX 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 WCT 100/TX can control
 any number of heaters.

1 Insert 2 AA alkaline batteries

Remove the WCT 100/TX's battery cover and insert 2
 new AA batteries. See *Battery Replacement* for further
 details.

2 You must make a wireless connection between your heater and your WCT 100/TX

1. Switch your heater off.

2. Now, timing is critical: switch it on for three seconds then off again. You can say, "On, one thousand, two thousand, three thousand, off".

3. Switch it back on. The light below the switch should be flashing; if it is not flashing restart the procedure.

4. You now have half a minute to press the button at the back of WCT 100/TX. Once pressed, the light on the heater will immediately stop flashing and possibly change to yellow or red depending on the WCT 100/TX settings and the room temperature.

If you don't do this
 the heater is not
 going to work

3 Choosing a position in the room

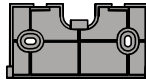
The WCT 100/TX should be positioned on the wall in
 the same room as the heater. It should be where its
 temperature will not be changed by local effects. Avoid:

- 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.

Before permanently fixing it, hold the WCT 100/TX in the
 chosen position and use ▲ to make the power bars
 appear (See *Quick Adjust* for more details). Check that
 the heater turns on. If it does not, consider a different
 position.

4 Fixing your WCT 100/TX to the Wall

Remove the wall plate from the rear
 of the WCT 100/TX 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 WCT 100/TX back onto the wall
 plate.



Cleaning the WCT 100/TX

Clean the WCT 100/TX only with a soft, lint-free cloth. Avoid
 getting moisture on buttons or openings. Do not use spays,
 liquids or abrasives; doing so may damage the WCT 100/TX.

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 WCT
 100/TX.

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 always use new batteries. The WCT
 100/TX manufacturer is not responsible for damage due to
 corrosion.

Reverting to manual control

If for any reason you want to use your panel heater without
 the WCT 100/TX, it can operate independently (a fan heater
 cannot). To revert to Manual Control:

1. If the panel heater is on, switch it off.
2. Switch it on for three seconds then off again. Do this 5
 times and your heater will be back to manual control.

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 program)

Pressing **HOLIDAY** switches the program off while you are away. Use **▲** and **▼** to alter the temperature. You can choose --- (no heating), 4°C (frost protection) or anything up to 12°C. 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 WCT 100/TX

You can lock the WCT 100/TX 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 for 2 seconds.

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

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 WCT 100/TX 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.

ACTUAL °C 20.8 TARGET °C 21.0

First follow instructions overleaf

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), or anything from 4°C (frost protection) 30°C.

TARGET °C 21.0

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**.

TARGET °C FAN 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.

Celsius or Fahrenheit

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

20.8 °C 69.4 °F

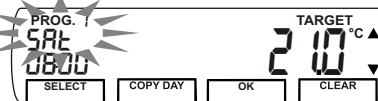
Setting the 7 day program

To set the program press **SET-BACK** and **ADVANCE** together. This will take you to stage 1 below. You can program the WCT 100/TX with up to 6 temperature levels per day.

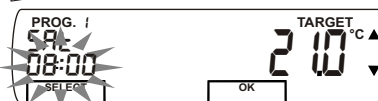
Program times cannot overlap, for example if prog.3 Mon is 16:30 then prog.2 Mon can only be set to times before 16:30.

Note: You might accidentally "lock" it while setting the program. To unlock it see *Locking the WCT 100/TX*.

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



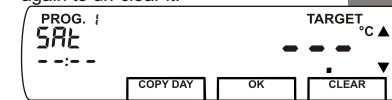
2 The time flashes. You can adjust it with **▲** and **▼**. **SELECT** takes you to stage 3.



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*.