

The Mini-sensor
helping to reduce your energy costs

CURRENT cost

have you got everything?
In the box you'll find:



quick set-up
Plug display into convenient wall socket, remove battery tab from underside of the black transmitter. If the display shows '0 watts' the display doesn't need pairing. If it shows dashes the monitor and transmitter need pairing. Refer to 'pairing the display and transmitter'.

Take the transmitter and its sensor jaw to your mains meter; select the thick round wire from the meter that leads to your house. Ensure there is room around the wire and encircle the wire with the jaw. Connect the display unit power cable to the port on the back of the display and plug into a power socket.

setting the clock
To set the clock hold the OK button for three seconds, let go and the screen will clear and the clock hours will flash. Use the up and down buttons to alter the hour (the monitor has a 24 hour clock). Once the correct hour is selected press the OK button. The minutes will now flash; use the up and down buttons to correct the minutes. Push the OK button; the LED light on the front will flash and the display will resume to normal operation.

pairing the display and transmitter
Locate the tuning push switch in the centre of the black transmitter. Using a ballpoint pen, push and hold the switch for nine seconds. Upon releasing, the red light on the sensor will rapidly flash for a minute. If it doesn't flash try again. While the light on the transmitter is flashing, press and hold the down button (on the far right) until the LED flashes. When you release the button the screen will show a tuning signal indicating it's tuning itself to the transmitter. Once tuning is complete your display will clear and return to operation.

The CC128 has added functionality to monitor individual appliances, and your gas, oil and water use to get a broader picture of your carbon footprint.

Individual Appliance Monitors (IAMS) are available from Current Cost to view the energy consumption of your white goods, televisions and Sky boxes as a handful of examples. Knowing the appliances that consume the most power can be effectively managed.

Another new function is the ability to connect the display to your PC. You can view historic data (up to seven years) and in real-time.

The data displayed is particularly useful for three phase users, two meter users and micro-generation (e.g. solar or wind turbine) as you can view each sensor jaw individually on a spreadsheet or graph. This is particularly useful for balancing phases and checking usage/generation in periods of absence.

how to contact us

If you have any questions about using your CC128 or if you'd like further advice on energy saving at home, please feel free to contact us:

By email
Info@currentcost.com

By phone
Call us on 01483 604517

By post
Customer Services, Current Cost Ltd, 1 The Mews, Wharf Street, Godalming, Surrey GU7 1NN

Plus, further information is also available at www.currentcost.com.

CC128 helping to reduce your energy costs

doing your bit **how you can help**

A big thank you for taking the decision to reduce your energy use (and your electricity bill). The planet needs more people like you. In fact, it needs us all to be like you. If we all do our bit to stop wasting electricity we can avoid building more power stations, cut CO₂ emissions and even save the planet.

It starts with every one of us doing everything we can to reduce our use of electricity. And that's where your CC128 can help. It won't cut your fuel bills on its own. That's your job. But it can show you how much energy, and money you're wasting, and help you change your habits.

To assist you in the task of saving energy and money, we suggest you study this manual.

The beauty of the currentcost display is that it shows you how much energy you're using right now. And it also shows how much it's going to cost you every day and every month, unless you alter your behaviour.

"It can't save you money, but it can help you change your habits."

We suggest you check the display regularly. If it shows that your usage is high, it could mean there's something you can switch off like a light bulb or an appliance.

As you leave the house, it's a good to check the display. It will show you exactly how much electricity you'll be using even when you're not at home. Perhaps you'll be persuaded to switch off the TV instead of leaving it on stand-by.

Check the display before you go to bed. How much money will you spend while you're asleep? And what could you save?

Monitor how much money it costs to boil the kettle, or cook a meal. Can you save by partially filling the kettle (ensuring the element is covered), or by turning down the rings on your hob?

we might even save the planet

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energy saving ideas

about Act on CO²

- Don't leave appliances on stand-by
- 10-15% of the electricity bill for most homes is for lighting. So use energy saving light bulbs and turn off the lights when you leave a room
- Drop the temperature of your wash when using the washing machine
- When doing a small amount of washing ensure you use the half-load function
- Avoid using the dryer by line drying clothes whenever possible or using an indoor clothes dryer when the weather is bad
- If you do need to use the dryer, then ensure the clothes are as dry as possible after washing, e.g., they have gone through a fast spin so that there is minimum excess water, reducing drying time considerably.
- Unplug any chargers when not being used
- Allowing your computer to hibernate saves energy and is more time-efficient than shutting down and restarting your computer
- Keep your printer turned off when not in use
- When heating water only heat the amount needed and use the correct size pan
- If only using a small pan, use a small burner. Boiling water in a kettle first will save the time the burner needs to heat the water and putting a lid on will help it come to the boil quicker.
- The location of your fridge is important to how energy efficient it is. Where possible make sure it is out of direct sunlight and not close to the oven
- Make sure you defrost your fridge and freezer on a regular basis as ice build-up will make a freezer work harder therefore wasting energy
- Only set your fridge to as cold as you need it and avoid keeping the door open for long periods of time as the more cold air that escapes, the harder the fridge has to work
- Never put warm or hot food into the fridge as it will have to work extra hard to try and keep cold
- Aim to keep your fridge at least three-quarters full to maintain maximum efficiency.

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ACT ON CO₂

Act on CO² helps people and businesses save money, energy and reduce their CO² emissions. The campaign highlights how individuals can act to make a difference.

It is a cross-government initiative, involving the Department for Environment, Food and Rural Affairs (Defra), the Department for Transport (DfT) and the Department for Communities and Local Government (DCLG).

The campaign is part of the government's commitment to taking action on climate change, working with businesses and individuals in order to reduce CO² emissions.

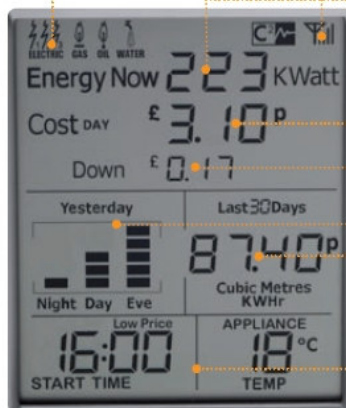
To find out your carbon footprint for your home or business, visit www.direct.gov.uk/actonCO2



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using all the functions

When your CC128 is properly installed, you'll see a screen that resembles this:



- 1 Aerial icon confirms information is being read from the transmitter
- 2 Indicates the number of sensor jaws installed. For most domestic situations this will be one
- 3 The top line of the display shows you how much energy you're using right now. Test it out by switching a light on and off and watch the figures as they change
- 4 The second line down shows how much money you're spending. It will also change as you switch electrical goods on and off. You can test this also by putting on a light. The figures change automatically to show how much it will cost you per day and per month if you neglect to turn off your appliances
- 5 The third line shows you how much you save when you turn an appliance off, or spend as you turn it on. It also shows you the equivalent decrease or increase in energy usage
- 6 This graph shows you how much energy you have used between 7am - 3pm during the previous day, 3pm to 11pm the previous evening and 11pm to 7am the previous night
- 7 This shows you your accumulative energy in kWh and scrolls every ten seconds between the last day, the last seven days and the last 30 days. You can also scroll through these using the centre button
- 8 The time and the temperature are displayed at all times.

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safety and care of your monitor

IAMs and PC connectivity

It's important you observe some simple precautions before using the product:

The CC128 display does not require you to carry out any electrical wiring. However, it is to be used in and around the electricity supply to your property. If you have any doubt about how to install it safely do not attempt to install it yourself, but consult a qualified electrician.

Similarly, if you notice anything unusual about your electricity supply, such as loose wires, exposed cabling, burn marks or holes in the insulating materials or damage to your meter then stop immediately and consult an electrician.

- Do not attempt to repair or service any part of the CC128 equipment. Contact our customer service department for assistance
- Do not immerse the product in water, or any other liquids
- Do not expose the product to heat, flame, steamy conditions or extreme cold
- Do not open the equipment or touch any of its electronic circuitry
- Do not hit, strike or drop the equipment - if the display gets broken, take special care not to touch the liquid crystals
- Do not use this product for any purpose other than for which it was intended.

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adjusting your electricity price

current cost accessories

The unit has been programmed with a default p/kWh unit rate. You may wish to adjust to match the rate you are paying. To do this follow the instructions below:

- On the display push the up button for three seconds and release
- Push the up or down to change from euros/cents to pounds/pence
- Press the **centre** button to confirm
- The price will then start flashing (i.e. p/kWh). Push the up or down button to adjust the pence/cents price of the electricity
- Press the **centre** button to confirm
- Repeat this process with the pence/cents option
- Press the **centre** button to confirm.
- The LED on the front of the monitor will flash and the display will resume normal operation.

TIP: The LED light will flash at the end of each stage of the programming to show you that you have successfully completed that section.

Advanced Features

There are several electricity tariffs available, if you pay different kWh unit rates for electricity consumed at different times of day, the CC128 monitor can be set up to allow this.

- Press and hold the up and down buttons together for three seconds and release
- You will then see the clock flashing. Using the up and down buttons you can now set the time that your low rate starts. Press the centre button to confirm
- Using the up and down buttons you can now select your low rate cost. Press the centre button to confirm
- Using the up and down buttons you can set the time your normal rate starts. Press the centre button to confirm
- Using the up and down buttons you can now select your normal rate cost. Press the centre button to confirm
- The LED on the front of the monitor will flash and the display will resume normal operation.

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To complement your CC128, and to ensure you understand your energy consumption there are a number of accessories available from Current Cost.

An Individual Appliance Monitor (IAM) allows the CC128 to display the energy consumption of your household appliances.

The CC128 can pair with up to three IAMs so you can discover which household appliances are energy hungry.

Data cables are available so you can connect CC128 your PC to you can track your energy history by up to seven years, and see how your home is behaving when you're on holiday.

Additional transmitters are available should your home or business work off two meters or monitor a three phase.

All accessories to work with your CC218 equipment are available via www.currentcost.com.

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troubleshooting

further information

Your **currentcost** product should reach you in perfect condition. If you have connected it properly but can't get it to work, please check the following before contacting us for assistance.

Problem	Possible cause	Solution
No display	Faulty display and/or display power supply	Contact supplier
Corrupted display (incomplete data)	Faulty display	Contact supplier
Alternating readings	Display picking up a signal from a neighbour's transmitter	Pair your transmitter and display again, see inside front cover
Data does not change	Incorrect installation	Review quick set-up guide
Costs reading seems excessively high or low	Correct tariff has not been set	Refer to page 8
Temperature gauge excessively high	Display too close to heat source	Choose a different location

If you can't fix the problem on your own do not attempt to repair the equipment. Disconnect it and give us a call.

If you require technical specifications, video tuition to set up your CC128, or more ideas on how to cut energy use in your home or at work, visit www.currentcost.com.



about current cost

virtual house

Current Cost aims to change people's habits when it comes to energy. This doesn't mean not using the gadgets and appliances you've invested in, but understand your energy use and the small steps you can make to cut wasted energy.

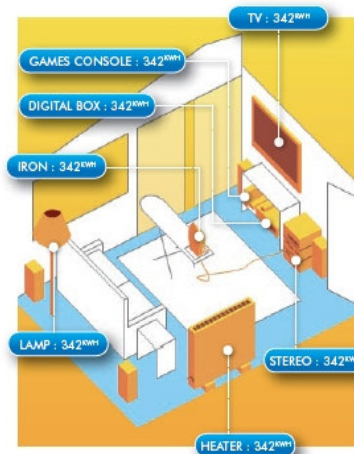
The currentcost display allows you to do this and with the advanced features of the CC128, you can monitor how energy hungry individual appliances are.

If we all make small steps to cutting energy wastage we can cut our carbon footprint and ensure the future of the planet for generations to come.

C2 Technology

Wherever you see the C2 logo, you know it's a member of a family of products that enables you to manage your energy consumption.

Look out for the logo on other Current Cost products as well as our partner organisations. When buying a C2 product you can buy knowing your equipment can communicate with each other, and is of the highest standard.



A big thank you for taking the decision to reduce your energy use, *(and your electricity bill).*

The planet needs more people like you, in fact, it needs us all to be like you. If we all do our bit to stop wasting electricity we can reduce our CO₂ and together help the planet by cutting our emissions of greenhouse gases.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC ID: WW9-MINI-SENSOR

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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Changes or modifications not expressly approved by the party responsible for Compliance could void the user's authority to operate this equipment.



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