



TREC

helping to reduce your energy costs

CURRENT
C  **st**

have you got everything?

The TREC has added functionality to monitor individual appliances.

Individual Appliance Monitors (IAMs) are available from Current Cost to view the energy consumption of your electrical appliances.

Knowing the appliances that consume the most power can be effectively managed.



In the box you'll find:

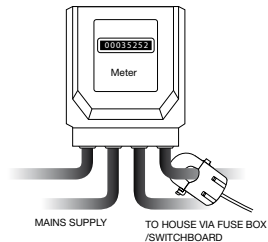


Plug display into convenient wall socket, remove battery tab from underside of the black transmitter.

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.



Locate the tuning push switch towards the top 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 of the display 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.

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

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.

It starts with every one of us doing everything we can to reduce our use of electricity. And that's where your TREC 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.

The beauty of the Current Cost 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, so when you change your behaviour.

"It will save you money."

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 idea 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? At night your usage should be at its lowest. It's the best time to work out what you're wasting. If it's similar to the day, then you may need to turn off appliances from standby etc. For instance you may even find how much energy that old freezer is using, it could be time to change!

- 1 Switching off your TV and computer instead of leaving them on standby could save you around £30 a year. If you have kids, why not get them involved and encourage them to switch off all their gadgets?
- 2 Boiling only the amount of water you need for your cup of tea could save you £25 a year
- 3 Wait until you have a full load before switching the washing machine on, two half-loads will use more energy than one full and whenever possible use the 30 degree cycle
- 4 Not using your tumble dryer during the warmer months of the year could save you around £10 a year
- 5 Switch to energy saving light bulbs. Just one 20W bulb can save you £60 over its lifetime, compared to a standard 100W one
- 6 When buying products that use energy, anything from light bulbs to fridge-freezers, look for the Energy Saving Recommended label or European energy label rating of A or higher
- 7 Defrost your freezer regularly and avoid putting hot food in the freezer
- 8 Turn down your thermostat and immersion heater temperature by one degree – the savings will be significant and you are unlikely to notice the difference
- 9 Lag your hot water tank and insulate hot water pipes. Tank jackets cost from just £12, they're simple to fit and could pay for themselves in 6 months
- 10 Why not top up your loft insulation? Did you know that the recommended depth is 270mm? Cavity wall insulation and topping up your loft insulation in your home will not only reduce the heat escaping from the roof and walls – it could also save you up to £180 per year
- 11 If your boiler is over 10 years old, replacing it with a high efficiency condensing boiler with heating controls could save around £210 per year.

All statistics provided by DEFRA based on CERT calculations and relate to an average 3 bedroom semi-detached home. For calculating overall savings to the UK it has been assumed that all households with less than 150mm loft insulations would top up their insulation, all houses with empty but fillable cavities would insulate them, all houses would stop using standby, and CFLs (energy saving light bulbs) would be used in all suitable fittings. All figures correct at time of going to print February 2009.

1. Source: DEFRA 2. Source: DEFRA. Savings based on 5 kettles a day boiling 1 litre more than necessary each. 4. Savings based on a dryer using 3.5 kWh of electricity per cycle. 5. DEFRA. 9. Source: DEFRA. Based on £12 heating around 1700 litres of water by electricity to 60°C. 10. Source: DEFRA. Calculated based on £30 saving for filling a cavity wall.

3, 6, 7, 8, 11. Source: direct.gov.uk

using all the functions

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



- Aerial icon confirms information is being read from the transmitter
- Indicates the number of sensor jaws installed. For most domestic situations this will be one
- 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
- The second line down shows how much money you're spending. It will also change as you switch electrical goods on and off. 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
- 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.

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

The TREC display does not require you to carry out any electrical wiring. However, the transmitter is to be installed at the meter near the electrical 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 TREC 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.**

The TREC is also compatible with any C² enabled product. The multi function ENVI from Current Cost can be used alongside the TREC. To find out how you can upgrade to the ENVI go to www.currentcost.com. The ENVI will give you functions such as downloading your whole of house data for comparison and recording the individual usage of IAM's (individual appliance monitors).

In-home, real-time individual appliance monitoring is a world first and a great addition to the Current Cost display.

Using simple and easy to use plug-in monitors, they transmit to the display the number of watts consumed and the cost for running an appliance. Such technology is also great to track the decline in energy efficiency of products, for example a ten year old freezer can cost an extra £45 a year in electricity compared to a new A rated appliance.



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:

- 1 On the display push the **up** button until LED flashes
- 2 Push the **up** or **down** button to change between currencies
- 3 Press the **OK** button to confirm
- 4 The price will then start flashing (i.e. c/p/kWh). Push the **up** or **down** button to adjust the pence/cents price of the electricity
- 5 Press the **OK** button to confirm
- 6 Repeat this process with the fraction of a penny
- 7 Press the **OK** button to confirm
- 8 The display will resume normal operation.

To complement your TREC, 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 TREC to display the energy consumption of your household appliances
- The TREC can pair with up to nine IAMs so you can discover which household appliances are energy hungry
- Additional transmitters and/or sensor jaws are available should your home or business work off two meters or supply a three phase
- All accessories to work with your TREC equipment are available via www.currentcost.com.

Your Current Cost monitor 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 neighbours' 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 – adjusting your electricity price |

If you can't fix the problem on your own do not attempt to repair the equipment.

Disconnect it and email us at: helpme@currentcost.com
Visit our website www.currentcost.com to view the FAQs.

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 Current Cost display allows you to do this and with the advanced features of the TREC, 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.



If you have any questions about using your TREC 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
Anglesey Lodge
Farnborough Road
Aldershot
Hampshire
GU11 3BJ

Plus, further information is also available at

www.currentcost.com

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.

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

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