

Installing Your Home Electricity Monitor

Please observe these precautions before using this product.

Your Current Cost **Home Energy Monitor** DOES NOT require you to carry out any electrical wiring. However, it's cable clamp sensor/s needs to be installed within the electricity supplier's power box. If you have any doubt about how to install it safely after reading these instructions, we recommend you consult a qualified electrician. Similarly, if you notice anything unusual in your power box regarding your electricity supply, such as loose wires, exposed cabling, burn marks or holes in the insulating materials, damage to your meter, then stop immediately and consult an electrician or your energy supplier.

At all times do not attempt to repair, or service any part of the Home Electricity Monitoring equipment. [CONTACT US](#) for further help / 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.

What's in the package

1. *LCD Electricity Display Monitor / Bridge / Gateway*
2. *Wireless Transmitter/s*
3. *Cable Clamp Sensor/s*
4. *240v Power Adaptor/s*
5. *Instructions*

Configured Monitoring Solutions

Note since **mid 2013** our policy has been to configure the Current Cost power monitoring system to your requirements. We will have discussed this with you during your inquiry and:

- *Paired all the transmitters to the monitor and clearly labelled each*
- *Set the electricity tariff to a default of 30 cents per kWh or as required*
- *Set each clamp style transmitter to a default voltage of 240v or as required*

Multiple Circuit / Appliance Monitoring

Your monitor / bridge / gateway can support up to ten channels in total and can therefore monitor a collection of clamp style and 10A socket transmitters. Your monitoring system will be set to your required settings such as :

0 : Consumption 1 : Solar PV 2 : Hot Water 3 : Fridge / Freezer 4 : Home Office 5 : Tenant

6 : Workshop 7 : Garage Freezer 8 : Pool 9 : Bore Pump

This will vary depending on your required installation.

3 Steps To Activate Your Configured Monitoring System

1. **With NO Solar** - Attach the cable clamp/s for the consumption transmitter [channel 0] to the main incoming power cables. Press the clamp to open and place around the cable before closing, ensuring the clamp is 100% closed. For a 3 phase supply you will need to site a cable clamp around each of the three main cables. Usually street side of the main incoming fuses to include hot water, or house side to not include hot water.

With Solar - The household consumption clamps are sited on the outgoing side of the fuse / breaker array. See the [SOLAR CLAMP PLACEMENT GUIDE](#) for detailed information. Insert the plug/s into the transmitter/s socket/s. Note the transmitters sockets are marked 1,2,3 for three phase connections. Install other clamp style transmitters, clamping the circuit/s red live wires. Install any 10A plug in socket transmitters into the appliance's power point.

2. Activate the transmitters in the power box by removing the plastic tab from the back of the transmitter. A red light will start to flash after a few seconds, meaning activated. We recommend you DO NOT use the velcro on the back of any transmitter in the power box, where there is a case of the transmitter coming unstuck and falling due to heat. Place the transmitter in the bottom of the power box, on top of a power meter or use the screw hole in the back of the transmitter to attach to the power board itself. Activate the plug in socket transmitters by turning on the switched 10A outlet.
3. Power up the monitor either using the AC power adaptor or the AA battery pack if you have the [DIY HOME ELECTRICITY AUDIT](#) add-on. After a few seconds you will see the power readings on your monitor and it's different channels in relation to your circuits.

If you wish to make changes to any of the monitoring systems settings and configuration then read on.

Pairing Monitors & Transmitters

1. The monitor and any transmitter need to be 'paired together'. This in layman's terms means the transmitter and monitor can talk to each other, via a wireless connection [channel] of which there are 10. Power up the monitor using the unit's AC mains adaptor which plugs into the the socket on the lower / back side of the monitor. You are going to be pairing a transmitter to anyone one of the ten channels. Therefore use the UP & DOWN arrows to select the channel required.
2. Carefully pull out the plastic clear tab, marked 'Remove Before Using' from the battery compartment of the transmitter, to activate the battery. The transmitter's light will now flash every six seconds.
3. If the display shows '0 watts', this shows that the transmitter is already paired to the channel in question. You would only need to repair this transmitter is you wished to change the voltage setting [default 240v]. If the display show dashes '-----', then the monitor and transmitter do need to be paired.
4. Locate the red tuning 'push switch' on the front face centre of the transmitter. Using a wooden toothpick [or something not metal], lightly press and hold the switch for nine seconds. Upon releasing, the red light on the transmitter will rapidly flash, for around two minutes so there is no rush. If it doesn't flash, redo.
5. While the light on the wireless transmitter is flashing quickly press and hold the 'down' button on the monitor [for a sec or two] until the light on the monitor flashes . Release the 'down' button and the screen will show a tuning signal indicating it's tuning itself to the transmitter. The screen after a second or two will show 240. This is the current setting for the voltage in the transmitter. If you wish to set the voltage to anywhere between 200 & 260v then each click of the tuning button on the trnsmitter will increment the value by 10v. After two minutes from initial pairing started the LCD display will return to normal operation i.e. Energy Now : Cost : Time : Temp etc.
6. If there is no power data shown on the screen this is because you have no clamp connected or with the plug in socket 10A transmitters the power is off on the appliance.

Monitoring Consumption & Solar PV

It is important to realise that a current clamp, cannot determine the directional flow of electricity. Therefore it's important when installing the current clamps on a solar system, to make sure they're 100% in the correct location.

VERY IMPORTANT!

In order to gain correct readings for home consumption and solar generation you need to fully understand this document [SOLAR CLAMP PLACEMENT GUIDE](#)

Setting the clock on the Monitor's LCD Display

1. To set the clock hold the OK button until the LED flashes (about three seconds), release and the screen will clear and the clock hours will flash.
2. 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.

Aussie Home Energy – *Helping You Monitor Reduce & Save On Electricity Costs*

3. The minutes will now flash, use the up and down buttons to correct the minutes. Press the OK to confirm. The light on the front of the monitor will flash and the display will resume to normal operation.

Adjusting your electricity price

The unit may have been programmed with a default p/kWh unit rate. At the time of writing currently for Country Energy on the Mid North Coast NSW the rate is 22.12 per kWh. To make adjustments to match the rate you're paying, follow the instructions below:

1. On the LCD display push the up button for three seconds and release.
2. Push the up or down to change from euros to cents.
3. Press the OK button to confirm.
4. The price will then start flashing (i.e. p/kWh). Push the up or down button to adjust the price of the electricity in cents. In the case above of 22.12 cents, this you will enter as 22.1
5. Press the OK button to confirm.
6. Now you can enter the '2' where you like to be very exact.
7. Press the OK button to confirm.
8. The light on the front of the monitor will flash and the display will resume normal operation.

TIP: The 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 monitor can be set up to allow this.

1. Press and hold the up and down buttons together for three seconds and release.
2. 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 OK button to confirm.
3. Using the up and down buttons you can now select your low rate cost. Press the OK button to confirm.

Features & Benefits Of Electricity Monitoring

The beauty of this monitor is that it shows you how much electricity you're using in realtime, what you have used over the last day, week and month. Add PC software or the online web portal and you open up another world of electricity usage and cost analysis.

See our list of [HOME ELECTRICITY MONITOR FEATURES AND BENEFITS](#) for the full insight.

Change Your Habits And Learn To Save

Your electricity monitor may save you money on its own, but you also need to change your habits. Check the monitor's display regularly. Keeping an eye on your monitor will educate you!

As you leave the house, it's good to check the display. It will show you exactly how much electricity you'll be using when you're not at home. Perhaps you'll be persuaded to 'double check' the home again for unwanted standby power.

Check the display before you go to bed. Saving money whilst you sleep is sure better than spending it!

Knowing how much electricity is consumed in the home surprises most people. Knowing how much electricity is wasted shocks everyone! Especially when appliances are left on, not being used or left in 24/7 standby mode.

You will get used to what your home and family's 'baseline' usage is. If it's suddenly higher, you'll know somethings been left on. Compare your baseline power use to your friends!

Talking about 'Saving Energy & Reducing CO2' certainly beats talking about the weather!

For more information & [FAQ](#) on the Home Electricity Monitor visit our website.

The latest version of this document can be found on the [SUPPORT](#) page.