OWL ELECTRICITY MONITOR INSTRUCTIONS

You must read the OWL Energy Monitor Loan Scheme Information document containing Teams & Conditions and Health & Safety information before borrowing the energy monitor.

OWL is a wireless electricity monitor which shows you just how much total electricity you are using throughout your home- lights, appliances and any electrical heaters. Find out how much this is costing you and how much carbon is being generated. It is easy to install, easy to read and easy to use. The memory feature shows you just how much electricity you have used.

THIS MONITOR IS NOT TO BE LOANED TO ANYONE UNDER THE AGE OF 18. DO NOT LET CHILDREN PLAY WITH THIS EQUIPMENT NOR THE METER BOX. DO NOT LEAVE THIS EQUIPMENT UNATTENDED IN THE PRESENCE OF CHILDREN.

WARNING: Extreme care must be taken when working with electrical equipment as touching exposed electrical wires or components may result in electrocution causing death. If in any doubt consult a qualified electrical installer.

First make sure you have charged your batteries. They will take approximately 7 hours to charge using the charger provided. Six rechargeable batteries are provided, however you will only need three at a time.

1. **Battery pack** - Before use the power supply must be visually inspected and not used if there is any damage. Please be careful when storing the equipment not to damage it in any way.
2. **Ensure you have your tariff information from your electricity bill**
   You may have only one tariff (approximately 10-15p per kw) or you may have more if you have a cheap overnight deal.
3. **Identify all the items in the box**
   Remote monitor, Sender Box, Sensor (the clip on a wire). Ensure you have 3 x AA Batteries.
4. **Locate electricity meter and identify live supply cable**

a) Look at the cables entering the meter at the bottom. You will need at least 150mm (6") of cable visible to fit the sensor around the wire (where the cables inside walls or enclosures and are not accessible, consult a qualified electrical installer for advice).

b) Before touching any cables, visually inspect the insulation (plastic covering) for any signs of damage or deterioration such as cracks in the outer covering, visible copper cores, burnt or blackened covering. If damage is seen consult a qualified electrical installer for advice.

c) If there is any water present in the fuse box, caused by rain or leakage, do not install the sensor until everything is absolutely dry.

d) You should see four cables entering the bottom of the meter (Note - If you have an off-peak supply there may be more cables seen here, if that is the case consult a qualified electrical installer).

e) Clip the sensor around the live outgoing supply cable (The live cable should be the one leaving meter on the farthest right hand side position) which goes in to your Consumer Unit or Fuse Box.

Do not force or put pressure on the wires. If you do not have access to these wires, you should not attempt to fit the transmitter clip, you would need to contact a qualified electrician

NOTE: Brent Council is in no way responsible for any damage to property or person as a result of the use of these monitors, batteries or battery chargers.

5. **Install batteries in Sender box**
You will need a Phillips screwdriver to unscrew the backing plate. Set CHANNEL to 2 and press RESET after each battery change. (You need a thin tip of a pen/pencil to do this)

5 **Place Sender Box in Desired Position**
Plug the Sensor Cable into any of the Sender Box sockets located at the bottom.

6 **Install Remote Batteries**
You only need to slide open the cover. Press RESET after each battery change.

7 **Link your Sender Box to your Remote Monitor**
Press and hold the SEARCH key on the Remote Monitor until a tone is heard.
Press and hold the CHECK key on the Sender Box until the red LED light flashes.

8 **Setting up the Remote Monitor**
The main screen displays real time data. The lower left hand screen displays the time, date and room temperature (default setting is centigrade). The lower right hand screen displays accumulated and average data to date. You will hear a short beep every time you press one of the keys, **MODE, ADJUST, SET**.

a) Press and hold the **SET** key until you hear a beep. The SET icon will appear in bottom left hand corner. **COST** will be displayed.

b) Press **SET** to enter **TAR1** (Your first or only tariff)

c) Press **SET** to enter **TIME** menu (This will be the time your tariff starts, if you only have one tariff just enter any time).

d) Press **SET** to access the hour screen. Press **ADJUST** to change the digits. Press **SET** to confirm each digit.

e) Press **SET** to access the minutes screen. Press **ADJUST** to change each digit. Press **SET** to confirm each digit.

f) Press **SET** to enter your tariff. RATE will be displayed. Set the digits using the **ADJUST** button. Press **SET** each time to confirm and to move to the next digit.

g) Press **SET** to turn on or off PEAK mode. **ADJUST** toggles between YES/NO.

h) Press **SET** to move to the ALARM screen. This sets an alarm if you want to know if you exceed a set amount of consumption. **ADJUST** toggles between OFF/ON.

i) Press **SET** to confirm and **END** will be displayed. The display will then go back to the normal display screen.

j) **MODE** will switch between all previous screens if you need to reset.

k) Press **SET** if you want to set up Tariffs 2/3/4 using same procedure as above.

To Input Time

a) Press **SET** again to enter TIME menu.

b) Press **ADJUST** to choose 12 hour clock or 24 hour clock mode.

c) Press **SET** to confirm. **HOUR** will be displayed.

d) Press the **ADJUST** key to set the correct hour. Press **SET** to confirm.

e) Press the **ADJUST** to set the correct minutes. Press **SET** to confirm.

To Input Date

a) Press **SET** to enter DATE menu

b) Press **ADJUST** to switch between MM/DD (month then date) or DD/MM date them month)

c) Press **SET** to confirm.

There are other more advance modes; to access them keep pressing **SET**

ACCU - resets back to factory defaults
OTHER - enters Advanced setting menus -
CNTY   - set your country
CURR – select currency symbol £, € , $
VOLT - sets voltage 110V, 120V, 220V,230V,240.
UNIT- sets the units
TEMP – Set Temperature units °F, °C
CHANNEL - Set Channel for connecting to Sensor box
GHG – Set Greenhouse Gas units, Tonne, Ton, Kg, lb

MONITORING ENERGY USE

If you would like to monitor your energy use and costs an OWL monitoring table is available to download at www.brent.gov.uk/energymonitors

FOR MORE INFORMATION

You can watch a clip of a monitor being set up on YouTube

http://www.youtube.com/watch?v=y_1iIQI0pqs

Or take a look at the OWL website

http://www.theowl.com/helpcentre/owlcm119.html

If you have any queries please email environment@brent.gov.uk tel: 020 8937 5324