Electricity monitor user instructions

British Gas
Looking after your world

britishgas.co.uk

Hello

Your new electricity monitor has arrived. It's a great way to learn how to use less electricity and save money, and just one of the ways British Gas helps you look after your world. Put your electricity monitor somewhere easy to see to keep track of your electricity usage, and you'll soon start to see how simple changes – like turning off the lights, or boiling less water in the kettle – mean less electricity is being used.

For more energy saving tips and videos to help you get your electricity monitor up and running, visit **britishgas.co.uk/monitor**

Remember, using less electricity means more money saved, and helps to reduce your home's carbon footprint too.

Some important things you should know

It is important to observe some simple safety precautions when using this product. Safe operation of the electricity monitor is impaired if used in a manner not specified by the manufacturer.

The electricity monitor is easy to install, without the need for a qualified electrician. There is no need to open fuse boxes or to connect or disconnect any cabling. It is designed for internal use only, and should be used inside a suitable building or meter cabinet.

When fitting the sensor, if the cables going into your electricity meter look perished (cracked, burned, or bare copper) or are loose, or wet, or you have any doubts about their condition, do not install the sensor, contact a qualified electrician. Don't force the sensor onto the cable if the cable diameter appears to be too big.

Keep all components away from heat, flames, steam and extreme cold. Disconnect before cleaning and do not immerse in water or other liquids. Please contact British Gas if any components appear damaged or faulty. Our contact details appear at the back of this booklet.

Do not attempt to open, repair or service any part of the electricity monitor yourself. If the display gets broken, take special care not to touch the liquid crystals.

To protect the environment, please recycle this product at the end of its life at your local recycling centre. You can find where that is at recycle-more.co.uk

The Waste Electrical or Electronic Equipment (WEEE) Directive means the UK has to collect and environmentally dispose of as many of these items as possible. We're committed to that programme and help to fund a national network of WEEE local authority recycling centres.

RoHS compliant.
This product complies with RoHS regulations, ensuring that it contains acceptable levels of hazardous chemicals for home use.

CE approved.
This product has passed the appropriate quality assurance tests.

In your box...

Display unit | Sensor | Power supply | Battery | Stand

Display unit

The display unit shows your energy usage in real time. The display unit can be powered by either mains power or the mains re-chargeable battery, which has a life of five hours.

Power supply

The power supply comes in two easy-to-assemble pieces. It powers both the display unit directly from the mains power, and charges the display unit's battery.

Sensor

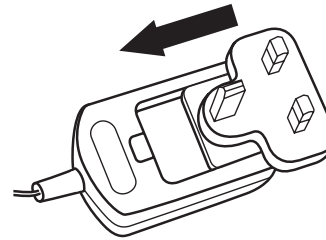
The sensor clips around the mains electricity cable that comes into your meter to measure the energy you are using. Please read the safety notice on the previous page and fit the sensor according to the following instructions.

Actual units may vary to those illustrated.

4 easy steps to install

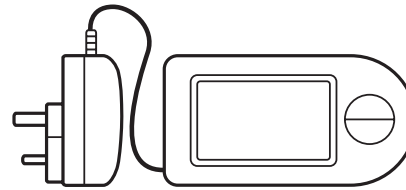
1 ASSEMBLE THE POWER SUPPLY

Line up the two sections and slide together, you will hear a click when the two lock correctly.



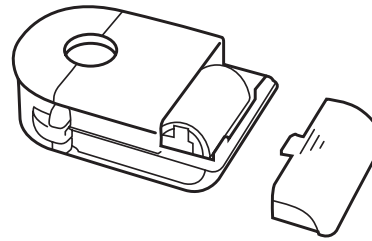
2 PLUG IT IN

Put the plug into a mains socket and insert the black power cable into your electricity monitor display unit. The display unit will light up showing the word 'find' and a blue pulsing indicator.



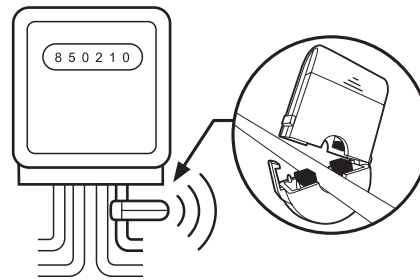
3 SET UP THE SENSOR

Slide the battery casing off and insert the battery. After about 15-30 seconds the blue signal indicator on the display unit will stop pulsing.

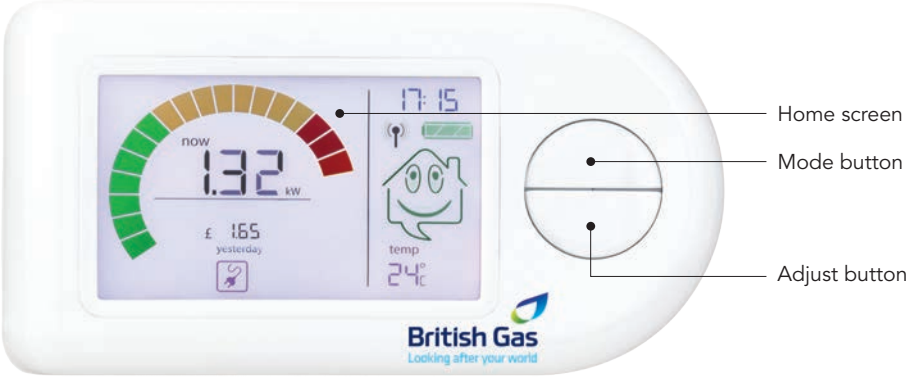


4 ATTACH THE SENSOR

Release the latch and carefully secure the sensor around one of the four mains cables that go into your electricity meter. The faces of the sensor must meet cleanly and the latch must click shut. Your display will register data from the sensor within 30 seconds.



Start using your electricity monitor



Home screen

Once you have set up your monitor this screen will be shown.

Mode button

When on the home screen press this button to change how both the current rate of consumption and total energy consumed values are displayed, between kilowatt hours (kWh) and pounds (£). The mode button changes both values simultaneously.

Adjust button

When on the home screen, press this button to switch the total energy consumed value between energy consumption today, yesterday, the past 7 days, the past 28 days and the past 3 months.

Configuration mode

This allows you to adjust your electricity monitor's clock and tariff settings. To enter configuration mode:

- Whilst on the home screen hold down the mode button for two seconds, the display will change from the home screen to show 'Cloc' and the hour field of the clock will begin to flash
- Increase the value of the hour field by pressing the adjust button
- Press the mode button to cycle through the other fields and use the adjust button, as described above, to set the fields appropriately
- To return to the home screen hold the mode button down for two seconds. The display will automatically return to the home screen if the display unit is left inactive for thirty seconds

How to find your tariff information

To help the electricity monitor do its job properly, you need to tell it how much you currently pay for your electricity. To do this you will need to enter your tariff unit rate information, which is the price you pay in pounds and pence per kilowatt hour. You can find this information online, simply…

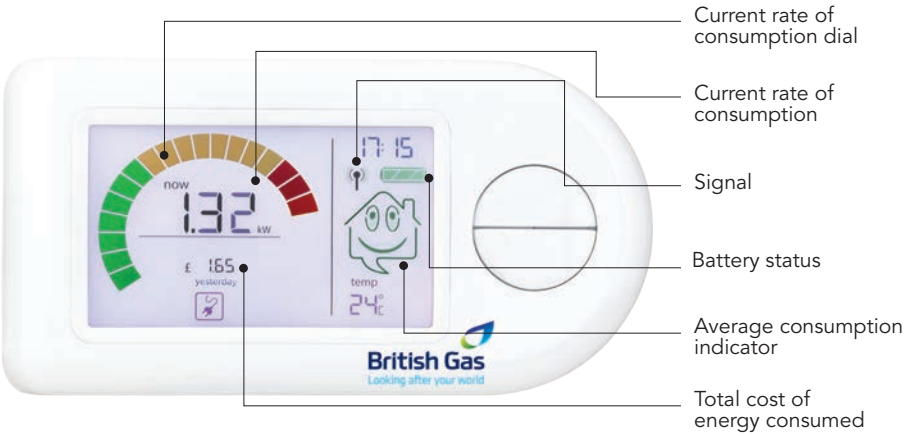
- Log into your account at **britishgas.co.uk**
- Click the 'Manage account' link from the electricity account panel
- From the 'Account Summary' page, click the 'See unit rates' link from the 'Your tariff' section
- Unit rate for your electricity tariff will then be displayed (together with payment type and standing charge amounts)

Alternatively you can calculate this manually from your most recent electricity bill; see FAQ 'How do I calculate my average electricity unit rate to enter a tariff?' on page 10.

Getting your tariff information

- Whilst on the home screen hold down the mode button for two seconds, the display will change from the home screen to show 'Cloc' and the hour field of the clock will begin to flash
- Press the mode button twice more to display the 'Cost' screen
- Enter your single rate, or the day rate of your economy 7 tariff, in pounds and pence per kilowatt hour by pressing the adjust button
- If your tariff is single rate skip to the next step. If you have an economy 7 tariff press the mode button once more to display the 'Eco7' screen. Enter your night rate using the adjust button as you did in the previous step
- To return to the home screen hold the mode button down for two seconds. The display will automatically return to the home screen if it is left inactive for thirty seconds

Reading the display



Current rate of consumption

This shows the rate of consumption in real time. You can switch between viewing consumption in Watts (W), kilowatts (kW) and pounds (£) by pressing the mode button.

Signal strength

When a blue antenna is shown the signal between the display unit and the sensor is at full strength, and when a red antenna is shown the signal is weak. If the antenna begins to flash then the sensor is almost out of range, and the signal is very weak. Signal fluctuation is normal; see FAQ 'Why is the signal strength antenna flashing?' on page 9 for details on improving signal strength.

Average consumption indicator

This shows how your current consumption compares to your average consumption. When a green smiling house is shown your consumption is below your average consumption, when a yellow unsmiling house is shown your consumption is equal to your average consumption and when a red frowning house is shown your consumption is higher than your average consumption.

Current rate of consumption dial

The colour coded dial shows the current rate of consumption on a dial scale. Red indicates high usage, orange indicates moderate usage, and green indicates low usage.

Battery indicator

The number of bars shown in the battery indicator shows the amount of charge the battery has. When plugged in the battery will charge, which causes the symbol to animate. When the battery is fully charged and the display unit is plugged into the mains power, the battery indicator will disappear.

Total energy consumed

This shows the total energy consumed over a chosen time period. Use the mode button to switch between kWh and £. Use the adjust button to cycle through different time periods.

Frequently asked questions

Q. How do I turn my display unit off and back on?

A. Simply unplug your display unit from the mains power and press and hold the mode button for 10 seconds until the display unit shuts down. To turn it back on simply plug your display unit back into the mains power. Your display unit will store your tariff information however; you will lose your historical energy data and clock settings every time you reset your display unit.

Q. How much energy does the display unit use and how much does it cost?

A. The display unit uses around 1W of electricity, which equates to around £1 a year in cost.

Q. Why is the signal strength antenna flashing?

A. If the signal strength antenna is flashing it means that your display unit has a very weak connection with your sensor. The maximum range of the display unit is 20 metres and the signal can be detected through two walls. If the signal strength antenna is flashing then try and situate your display unit closer to your sensor.

Other reasons that the signal strength may be very weak or lost may be:

- Radio interference: this is unlikely in a home environment but if this does occur, try moving the display unit away from any possible source of interference and check there is no source of interference close to the sensor
- The sensor/display unit is located near a large appliance: common home appliances such as fridges and washing machines can interfere with the signal if the display unit or sensor is placed close by
- The sensor is located in a metal meter cabinet: the wireless connection between the sensor and display unit will not always work through metal

Q. Why has my battery indicator icon disappeared?

A. When your display unit is fully charged and plugged into the mains power the battery indicator will disappear.

Q. How long is the display unit's battery life?

A. When fully charged your display unit can run on the battery for around 5 hours. If you display unit runs out of charge it will switch off, causing historical energy data to be lost.

Q. Why does the display unit sometimes show a different reading to my utility bill?

A. The electricity monitor provides a good indication of your approximate electricity consumption, but is not intended to measure consumption with 100% accuracy. Your electricity meter will continue to be used for billing purposes.

Q. How do I calculate my average electricity unit rate to enter a tariff?

A. Your tariff information can be found online (see page 7), or alternatively you can calculate your tariff from your most recent electricity bill.

To do this for a single rate tariff:

- Take the total cost of your first units of electricity
- Add the cost of the remainder of your units
- Then divide the total cost by the total number units consumed

For example, 200 units at £0.20 and 50 at £0.10 would work out as follows; (200 x £0.20) + (50 x £0.10) = £40 + £5 = £45. Then divide the total cost by the total units, which would be £45 ÷ 250 units = £0.18 per unit.

To do this for an economy 7 tariff:

- Calculate the total cost of your day rate units by taking the cost of your first units of electricity and adding the cost of the remaining units
- Divide this total cost by the total day rate units, this provides your day rate tariff
- Your night rate units are charged at one rate, which is shown on your bill. This is your night rate tariff
- You should now have a day rate tariff and a night rate tariff

For example, 200 day rate units at £0.20 and 50 at £0.10 would work out as follows; (200 x £0.20) + (50 x £0.10) = £40 + £5 = £45. Then divide the total day rate cost by the total number of units to provide your day rate tariff, which would be £45 ÷ 250 = £0.18 per unit. Your night rate tariff is shown on your bill (all night rate units are charged at this same rate).

Q. How should I calculate my tariff if I have a standing charge?

A. If you pay a standing charge, please do not include this in the calculation of your tariff. Your bill will include a rate shown in pence per kilowatt hour, and this should be used when calculating your tariff.

Q. Why do I have a blank display unit?

A. If after following the set up process nothing appears on your display unit at all, you may have a faulty component. Contact British Gas using the contact details at the back of this booklet for more information.

Q. How do I get a replacement battery for the sensor?

A. The battery used in the sensor is a lithium CR2 3V battery, which can be purchased from high street retailers.

Q. I want to move the electricity monitor to another property, how do I erase data?

A. Simply turn the display unit off to erase all historical energy data held on your electricity monitor. To update your tariff information for a different property follow the instructions on page 7.

Q. How do I know when the battery in the sensor is flat?

A. The battery in the sensor will last for approximately one year. When the battery is flat the display unit will stop registering data and the current rate of consumption and total energy consumed values will show animated hyphens. The current rate of consumption dial will also be blank.

Contact information

If you have any questions on how to set up your electricity monitor please contact us on **0845 076 3922*** or email **energyefficiencyteam@britishgas.co.uk**
For all account and other enquiries please email us on **customerservice@britishgas.co.uk**

If you have a faulty monitor, please return to:
British Gas EnergySmart™
FREEPOST RSUS-BRYC-RRSR
Unit 7, Alexandria Drive
Ashton Under Lyne
OL7 0QN
including your full name and address.

The British Gas Electricity Monitor is designed and manufactured by AlertMe.com Ltd.

*Phone lines are open 8am–8pm Mon to Fri and 8am–6pm on Sat. Closed on Bank Holidays.

We hope you enjoy using your electricity monitor and don't forget, to get accurate monthly bills with EnergySmart™, simply submit a monthly meter reading online, or via our Smartphone Apps.

If you want any advice on other ways you can save money on your energy bills, simply visit **britishgas.co.uk**

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