

## Start using your Minim+ monitor



### Signal strength

Shows the signal strength of the transmitter.

### Battery indicator

Flashes when the batteries in the transmitter are low.

### Speedometer

Shows your current rate of consumption in kW.

### Currency

Shows the cost of the energy consumed in the selected currency (£, €, Kr or a general symbol).

### Tariff

Shows if you are on the lowest, middle or highest of your tariff rates.

### Temperature

Shows you the room temperature where your monitor is placed.

### Upper digits

Shows your current rate of consumption in cost, carbon or kW.

### Lower digits

Shows the total energy consumed or the budget for the chosen time period.

### Budget bar

Shows if you are predicted to be over or under your budget for the time period.

## Navigation and settings



### Left and right buttons

Use the ◀ and ▶ buttons to view different periods of use. You can see consumption for today, yesterday, this week, last week, this month and last month.

### Middle ○ button

To change units, press the ○ button to view the power and energy in cost, carbon or kW. Another press of the ○ button presents your budget for the selected time period on the lower digits.

### Settings

Enter the settings menu by pressing and holding the ○ button. Use the ◀ and ▶ buttons to navigate to the required setting and press the ○ button to confirm. When a setting flashes, it can be changed using the ◀ and ▶ buttons and saved by pressing the ○ button.

Setting	What does it mean?	What are the options?
BUDGET	Your budget is your monthly electricity expenditure (e.g. your direct debit amount) and is used by the budget bar.	Please set this to your own expenditure. The default will change depending on what currency is set.
CURRENCY	You can choose the currency for the budget and tariff.	The default is £ (Pounds), and € (Euros), kr (Kroner) or a general currency symbol can be chosen.
TARIFF	You have one or more electricity tariffs that tell the monitor how to calculate costs.	You can set up to three tariffs and a standing charge. The default will change depending on what currency is set.
DATE+TIME	You can set your date and time.	You can change year, month, day and time.
BACKLIGHT	Your monitor is always on, but you can change when the monitor is lit up by its backlight.	By default, your backlight is always on but you can set the backlight to be timed.
LED SENSOR	Choose the value that matches the pulses per kilowatt hour setting for your meter.	By default this is 1000 imp/kWh.

## Frequently asked questions

### Q: How do I set the tariff on my monitor?

A: In the settings menu select the TARIFF option. You can set up to three tariffs and a standing charge. Use the ◀ and ▶ buttons to change the tariff value and ○ button to save. You can set up to three different tariffs for different times of day: these can be found on your energy bill or by speaking to your energy provider.

### Q: How do I set my budget?

A: In the settings menu, select the BUDGET option. Enter your monthly expenditure using the ◀ and ▶ buttons and ○ button to save.

### Q: How do I turn the backlight off?

A: In the settings menu, select the BACKLIGHT option. You can select either ALWAYS ON or TIMED (by pressing the ◀ and ▶ buttons). If you select TIMED, you can set the time when you would like the backlight to be on (DISP ON) and off (DISP OFF).

### Q: The signal strength indicator is not showing and the speedometer does not show?

A: In some cases it may be necessary to move the display closer to the transmitter. If this does not work, the transmitter and display may need to be paired again. Please see online support pages for more information.

### Q: How do I change currency?

A: In the settings menu select the CURRENCY option. Use the ◀ and ▶ buttons to change the currency value and ○ button to save. This will change the tariff and budget settings so remember to check these afterwards.

### Q: How long is the transmitter battery life?

A: The battery life is over two years. When the battery indicator starts to flash replace the 3 x AA batteries in the transmitter.

### Q: My monitor is under or over reading?

A: Check the LED SENSOR setting in the menu to ensure it matches the setting for your meter. Most meters provide 1000 pulses per kilowatt hour, but this is not always the case. Use the ◀ and ▶ buttons to change the sensor value and ○ button to save.

## Technical specifications

### Minim+ Monitor

This product is intended to be used indoors in a domestic environment. It is not suitable for outdoor use.

**Supply voltage:** 240Vac, 50Hz  
**Operating voltage:** 5Vdc (display) and 3 x AA alkaline batteries (transmitter)  
**Operating power:** < 0.6W  
**Operating temperature:** 0 to 40°C  
**Operating humidity:** 0 to 85% non-condensing

### Manufacturer:

Green Energy Options Ltd.  
 3 St. Mary's Court, Main Street,  
 Hardwick, Cambridge  
 CB23 7QS, UK

This unit has been tested and conforms to the following standards:

EN61000-3-2:2006  
 EN61000-3-3:2008  
 EN60950-1:2006  
 EN300 220-2 V2.3.1  
 EN301 489-1 V1.8.1  
 EN301 489-3 V1.4.1

## Minim+ monitor User instructions



## Your new Minim+ monitor has arrived

It's a great way to learn how to use less electricity and save money, and just one of the ways to help you look after your world. Put your **Minim+** 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 help on your **Minim+** monitor, visit [greenenergyoptions.co.uk/minimplus](http://greenenergyoptions.co.uk/minimplus)

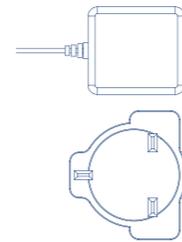
Remember, using less electricity means more money saved, and helps to reduce your home's carbon footprint too.



## Some important things you should know

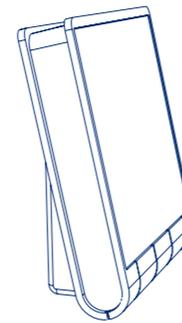
-  It is important to observe some simple safety precautions when using this product. Safe operation of the monitor is compromised if used in a manner not specified by the manufacturer.
-  The Minim+ monitor is easy to install, without the need for a qualified electrician. There is no need to open fuse boxes or to connect or disconnect any cabling. It is designed for internal use only.
-  When fitting the sensor, if the cables going into your electricity meter look perished (cracked, burned, or bare copper), loose, wet, or you have any doubts about their condition, do not install the sensor and contact a qualified electrician.
-  Keep all components away from heat, flames, steam and extreme cold. Disconnect before cleaning and do not immerse in water or other liquids.
-  Do not attempt to open, repair or service any part of the monitor yourself. If the monitor gets broken, take special care not to touch the liquid crystals in the screen.
-  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](http://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...



### Power supply

The power supply comes in two easy-to-assemble pieces, which will click firmly together once correctly assembled. It powers the monitor directly from the mains.



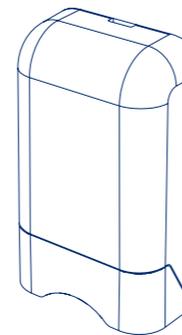
### Monitor

The monitor shows your energy use in real time. The monitor is mains powered.



### Sensor

Using the adhesive Velcro pad provided, attach the sensor to the imp/kWh output on the meter to measure the energy you are using.



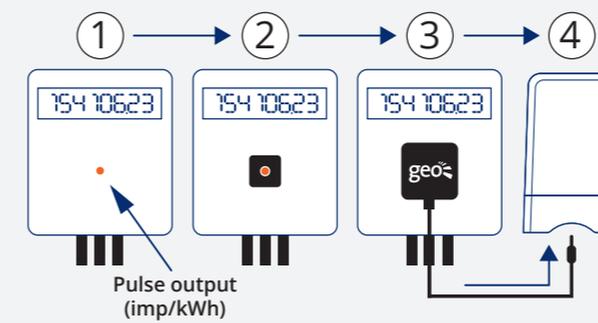
### Transmitter

The transmitter is battery powered and sends the energy measured by the sensor wirelessly to the monitor.

## 4 easy steps to install

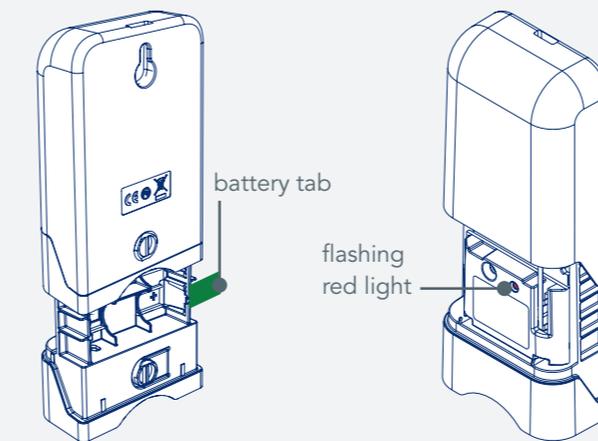
### 1. Attach the sensor

- 1: Find the pulse output on your meter.
- 2: Stick the square Velcro around the pulse output on the meter.
- 3: Place the LED Sensor over the square Velcro on the meter ensuring that the GEO logo is facing you.
- 4: Insert the other end of the LED cable to the bottom of the transmitter.



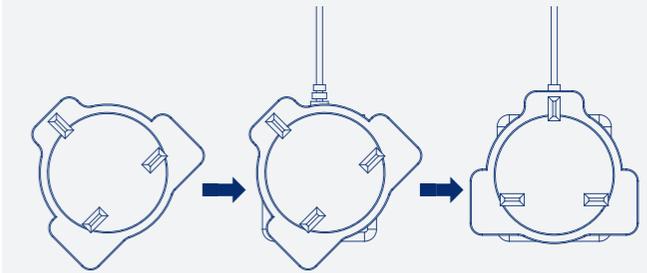
### 2. Activate the transmitter

Open the transmitter by pressing the button on the back and pulling the outer cover away. Remove the battery tab. The red light will flash to show the unit is working.



### 3. Assemble the power supply

Insert and twist clockwise to clip the pins to the power supply. You will hear a small click when the two lock correctly.



### 4. Plug it in

Put the plug into a mains socket and insert the black power cable into your monitor. The monitor will light up and ask you to enter the correct year, month, day and time. Use the left and right arrow buttons to change values and the power button to save.



Now you are ready to start using your monitor. You may want to set the monitor for your particular tariff and budget, please see the frequently asked questions for help with this.