# Navigation

**LEFT BUTTON**
To view previous usage, press the ◀ button to see the consumption from yesterday, day before yesterday, last week etc.

A long press of the ◀ button (> 3 seconds) takes you back to the main screen – whole of house consumption, today.

**MIDDLE BUTTON**
To change the units, press the £/kW button to view the power and energy in cost, $CO_2$ or kW.

Long press (> 3 seconds) takes you into the configuration menu.

**RIGHT BUTTON**
To enter and exit **Energy Stopwatch** mode, press the right ▶ button. See Energy Stopwatch for further information.

**PAIRING MODE**
If you need to pair additional sensors press and hold the ◀ and ▶ buttons simultaneously to enter pairing mode, you can then select the sensor that you wish to pair.

# Energy Stopwatch

The Stopwatch allows you to measure the energy used over a specific period.

To **START** and **STOP** the Stopwatch, press the ◀ button.

To toggle the units used by the Stopwatch, press the £/kW button.

To **RESET** the Stopwatch press and hold the ◀ button.

To move back to the Today screen, press the ▶ button.

The Stopwatch can be left running in the background, as indicated by the stopwatch symbol.

The Stopwatch can run up to maximum of 24 hours non stop.


# Configuration

Enter the configuration menu by pressing and holding the £/kW button.

You will now see the word “BASIC,” you can toggle between “BASIC” configuration or “ADVANCED ” configuration by using the ◀ and ▶ buttons and select by pressing the £/kW button.

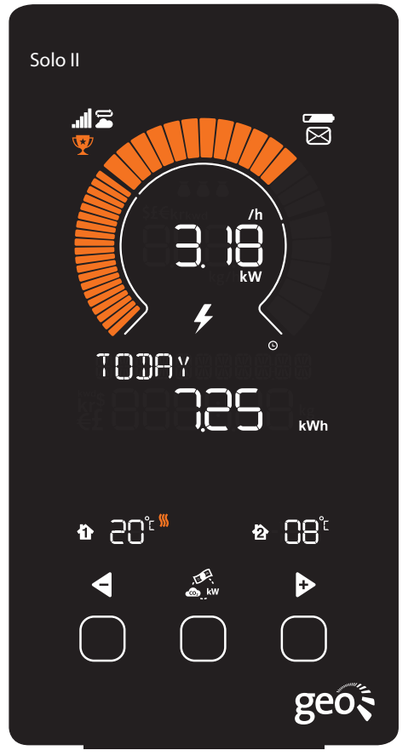
| Basic Configuration: | Advanced Configuration: |
|---|---|
| 1. Time and Date<br>2. *Budget<br>3. *Tariffs and standing change<br>4. Temperature Set-point | 1. Mode (This lets you select between Consumption or Micro-gen)<br>2. Currency<br>3. Temperature units<br>4. PV Array size<br>5. Calibration figure<br>6. Display sleep Time<br>7. Day of the week |

*If you need help setting your budget and tariff please visit www.greenenergyoptions.co.uk/solo2

geo GreenEnergyOptions

# Solo II

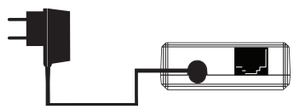
## QUICK START GUIDE



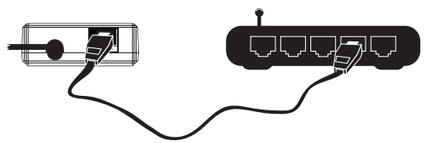

# Optional Bridge

**Bridge:**
The Bridge enables you to monitor your home and control appliances remotely via your Energy**note** online service.

1. Plug the power supply into a mains socket and insert the other end into the power socket at the back of the bridge.



2. Using the Ethernet cable, connect the Bridge to your broadband router. (The Bridge uses DHCP and will get an IP address automatically from your router).



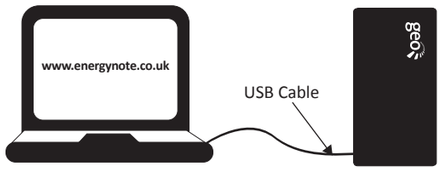
# Energy**note** Online Service

Energy**note** is an online service where you can upload data from your Solo II display to your own webpage to see all the data that has been stored on your display.

You can use the USB cable to upload your consumption or generation data, which the display stores in the internal memory, to our servers. Once uploaded you will be able to see graphical information for energy generated or consumed.

With the optional Bridge you can use the Energy**note** online service to monitor your display from anywhere as long as you have internet connection.

To get started on using the free Energy**note** online service please visit www.energynote.co.uk




# Technical Specifications

| | |
|---|---|
| Rated Voltage (Display) | 5Vdc |
| Rated Voltage (Power Supply) | 230Vac, 50Hz |
| Input Power (Display) | 0.5W |
| Operating Temperature | 0 to 40C |
| Operating Humidity | 0 to 85% non-condensing |

| | |
|---|---|
| Rated Voltage (Sensor) | 4.5Vdc, 3 x AA alkaline batteries |
| Rated Voltage (P1 Power Supply) | 230Vac, 50Hz |
| Input Power (Sensor) | 0.1W |
| Operating Temperature | 0 to 40C |
| Operating Humidity | 0 to 85% non-condensing |

# FAQs

For FAQs and troubleshooting tips please visit www.greenenergyoptions.co.uk/solo2

SOL2-A-QSG-001_2

# Safety First

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

Keep the Solo II away from water and other liquids. Disconnect from the mains power supply before cleaning (with soft, dry cloth only). Do not immerse in water or other liquids. Please contact your supplier if any components appear damaged or faulty.

The Solo II is designed to be used in an indoor, domestic environment only.

To protect the environment, this product and its batteries must be disposed of safely at the end of its life.

This product complies with RoHS regulations.

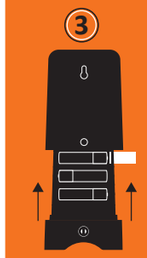
CE This product is CE approved.

## Introduction:

The Solo II is an In-Home Display and is used to provide real-time information on the energy you are consuming or generating. The Solo II works with a Transmitter, Smart Plugs, Temperature Sensors and GEO's online services to provide energy information on a PC, Smartphone, tablet or other internet enabled device.

# Getting Started


1. **Please insert the power supply into the Display. The Display will automatically switch on.**
2. **Set the time and date by using the ◀ and ▶ buttons and then confirm by pressing the middle button.**

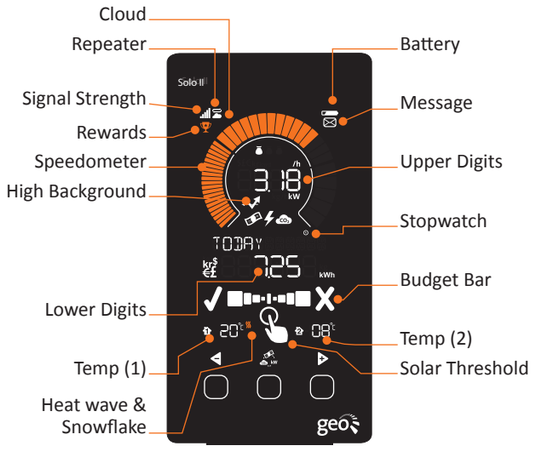



- **If you are monitoring your PV generation you can change the mode from Consumption to Micro-gen. Hold down the centre button until you see the word "BASIC", use the ▶ button to change to "ADVANCED" and select this with the center button. Use ◀ and ▶ buttons to toggle between Consumption and Micro-gen and then press the center button to confirm.**

**The Solo II can be used with 3 different types of sensors.**
**• CT Clip Sensor • LED Sensor • P1 Sensor.**
***Your Solo II will auto detect which sensor you are using.***

3. **If your Solo II came with a CT Clip Sensor or an LED Sensor please press the release button on the back of the transmitter, slide the cover off and remove the battery tab.**

# Display Overview




# Operation

**SPEEDOMETER**
Shows your present load in kW.

**UPPER DIGITS**
Shows your present load in cost, carbon or kW.

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

**LOWER DIGITS**
Shows you your energy consumption for the period, this is indicated by the Text e.g. Today, Yesterday, ...

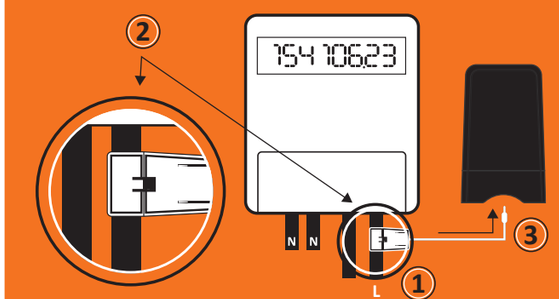
**BUDGET BAR**
Shows if you are predicted to be over or under your budget at the end of the day. (consumption only)

**TEMPERATURE ONE & TWO**
The temperature of the sensor
- Either the integrated temperature sensor (1) or
- An accessory (2)

The Heat wave and Snowflake give an indication as to whether the temperature is above or below the set point.

# Installation - CT Clip Sensor

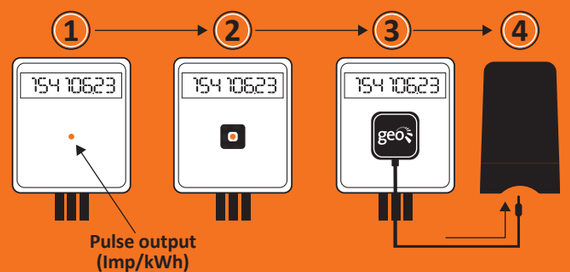
1. **Locate your mains live cable, this is usually identified by the colour brown, red or the letter "L".**
2. **Clip the sensor around the mains live cable. You should hear a "click" to indicate the sensor has been tightly closed.**
3. **Plug the other end of the CT Sensor cable to the bottom of the transmitter.**




# Installation - LED Sensor

**The LED Sensor can be used to monitor either your electricity consumption or PV generation.**

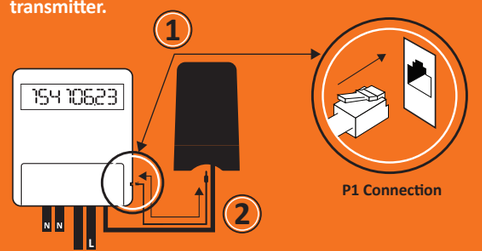
1. **Find the pulse output on your meter.**
2. **Stick the square Velcro around the pulse output on the meter.**
3. **Place the LED Sensor over the square Velcro on the meter ensuring that the GEO logo is facing you.**
4. **Insert the other end of the LED cable to the bottom of the transmitter.**




# Installation - P1 Sensor

**The P1 Sensor does not use any batteries for the transmitter and is powered directly from the meter.**

1. **At your electricity meter connect the P1 Sensor cable into the meter. You should hear a "click" to indicate the cable is fully inserted.**
2. **Plug in the other end of the P1 cable into the bottom of the transmitter.**




**This product is designated as 'permanently connected equipment' and should only be installed by a qualified electrician in accordance with local regulations.**

# Icons

**SIGNAL STRENGTH**
Shows the signal strength to the main sensor.

**CLOUD**
Shows the display is connected to the web via the optional bridge.

**BATTERY**
Displays when the batteries in the transmitter are low.

**REWARDS**
Shows if there is a reward message from your utility online.

**MESSAGE**
Shows if there is a message waiting from your utility online.

**HIGH BACKGROUND**
Shows if your background energy usage over the last 24 hours is higher than normal.

**SOLAR THRESHOLD**
In PV mode this shows that you are generating sufficient power to consider turning on larger appliances to use it.