



Smart PV Set Up Instructions

In an effort to minimise the effect our products have on the environment, we have not included a full printed instruction manual. The instructions below are only intended to start you off - detailed instructions for set up and operation can be found on the enclosed Eco-eye Memory Card and should be consulted in order to set up and operate Smart PV completely. Please think carefully before choosing to print them.

Take a few moments to look at the diagram **overleaf** carefully. Your installation may not exactly match this layout but it shows the general principle.

There are 3 sensors which need to be installed and it is vital they are fitted to the correct cables and in the correct direction.

The two white current sensors are fitted to **NEUTRAL** cables so they are as far away as possible from each other and all other cables, ensuring that the arrows are correctly positioned.

The contact surfaces between the 2 parts must make a good connection.


Please follow the Installation steps in order and make sure that everything is working correctly before proceeding to the next step.


1. Transmitter Put the 2 x AA batteries into the transmitter. If it is working correctly you will see the GREEN light flash.

2. Voltage Sensor Start by attaching the foil Voltage sensor to any live wire. The end of the foil with the wire attached should be held against the cable then the foil should be wrapped tightly round the cable. Secure with the self-adhesive label. If there is a second wire, it can be attached to a ground connection but this is not essential.

Now plug the rectangular plug from the Voltage sensor into the socket on the underside of the transmitter. If the Voltage sensor is working the RED light will flash (but not in sync with the green light).

3. Smart Display Install the 2 x 'C' cell batteries in the Smart display. All the icons are displayed then Smart will display a currency symbol

Select your currency symbol with the arrow keys and press  to continue.

Enter the date and time using the arrow keys and press  to continue to the next number.

The display should now show 0.000 and the amber light should be flashing every 4 seconds.

Press the red square button until the PV icon shows but not the HOUSE icon.

4. PV Sensor Connect the sensor with the green arrow onto the NEUTRAL cable coming from the inverter. It is essential that arrow points towards the inverter. Plug this sensor into the centre socket of the three on the underside of the Eco-eye transmitter. The Smart display should now be showing the output from your photovoltaic panels (or other generation system).

5. Grid Sensor Now attach the sensor with the red arrow on to the NEUTRAL cable under the main supply meter with the arrow pointing towards the meter. Plug it into the left hand socket on the underside of the Eco-eye transmitter.

Use the red button on the Smart display to show the HOUSE icon ONLY. The display should now show the total amount of electricity you are currently using.

Set Up Diagram

You should consult the detailed instructions which are on the Eco-eye Memory Card in order to continue to set up Eco-eye Smart PV. Please read all instructions thoroughly before contacting Eco-eye for support. FAQs may be found on www.eco-eye.com

