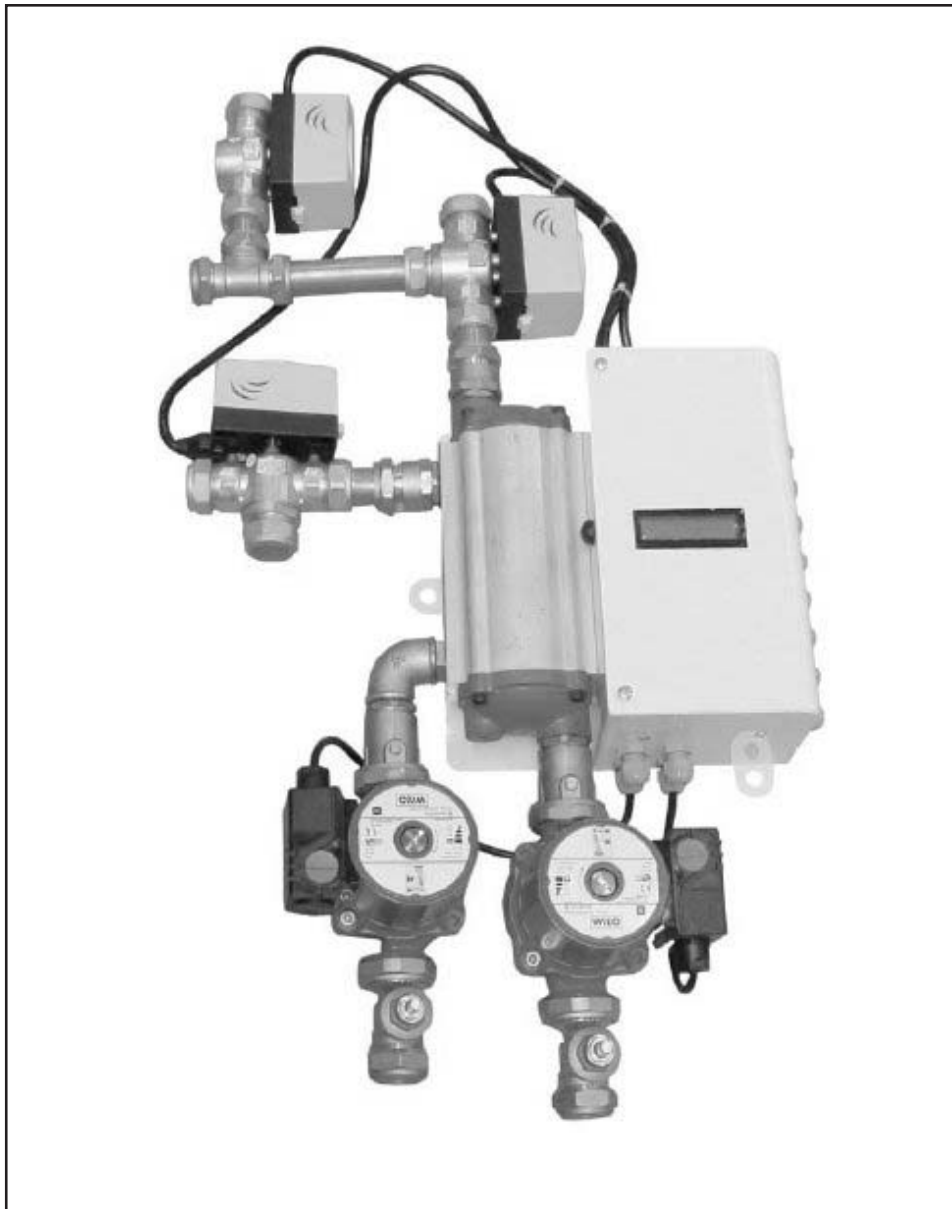


AGA RAYBURN

HOME ENERGY MANAGEMENT

ECO-CONNECT PLUMBING SYSTEM



USERS INSTRUCTIONS

General

Your installer has fitted an Eco-connect panel to maximise the heating and hot water system efficiency. Please read this simple guide to understand and get the best from it.

Description

The Eco-Connect panel is a plumbing and wiring device to allow an intelligent link-up between a solid fuel appliance, on an open vented plumbing system and an automatic appliance such as an oil or gas fired boiler.

The operation of the Eco-Connect is automatic and biased to take energy from the renewable source, topped up from the automatic boiler. A display shows the current operating status.

Operation

Please ensure that the electricity supply is left switched 'ON' to Eco-Connect at all times.

In addition to Eco-Connect, your Installer will have fitted other controls, such as thermostats and time-clock/programmers. These will have their own operating instructions and will work in conjunction with Eco-Connect.

Time-clocks should be set to the periods when heating or hot water is required.

Thermostats should be set to give the desired level of warmth.

If solar thermal collectors have been installed, they will have their own control panel.

The stove and boiler manufacturer will have provided operating instructions, and these must be carefully followed. We recommend a thermostat setting of approximately 80°C.

The display on Eco-Connect indicates what demands for heat are currently being made.

e.g. DHW - Domestic Hot Water
Htg Z1, Z2, Z3, Z4 - Heating to zones

It also shows which sources of energy are being used.

e.g. Renewable source - Stove only (Fig. 1)
Automatic boiler - Boiler only (Fig. 2)
Mixed mode - Stove and boiler together (Fig. 3)

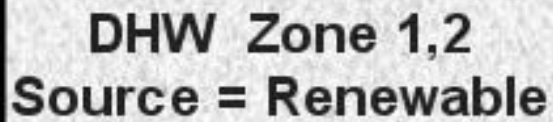
If nothing is demanded, 'No heat called' is shown, together with 'Gravity' whenever the stove is cold or cool (Fig. 4).

If the stove becomes hot 'DHW active' is shown, irrespective of whether it is a timed period or not (Fig. 5).

In the event of the stove overheating, excess energy is safely dissipated into the heating circuit (Fig. 6).

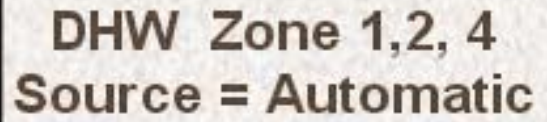
DO NOT ALLOW THE SOLID FUEL APPLIANCE TO REPEATEDLY OVERHEAT.

This appliance is not intended for use by persons (including children) with reduced physical capabilities, or lack of experience and knowledge, unless they have been given supervision and instruction concerning use of the appliance by a person responsible for their safety.



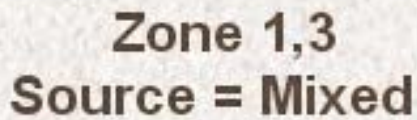
DHW Zone 1,2
Source = Renewable

Fig. 1



DHW Zone 1,2, 4
Source = Automatic

Fig. 2



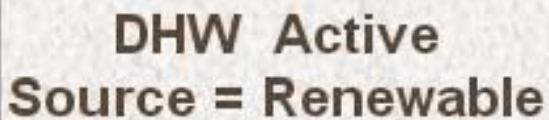
Zone 1,3
Source = Mixed

Fig. 3



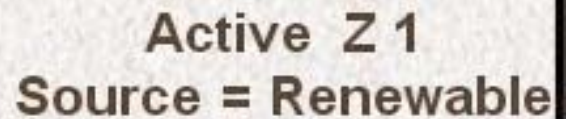
No Heat Called
Gravity

Fig. 4



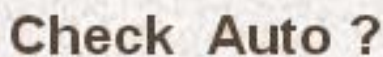
DHW Active
Source = Renewable

Fig. 5



Active Z 1
Source = Renewable

Fig. 6



Check Auto ?

Fig. 7

During 'mixed mode', in the event of the boiler failing to deliver heat when demanded, an additional error message will be displayed 'Check Auto' (Fig. 7).

This would normally be as a result of the boiler having been inadvertently turned off or run out of fuel (oil models).

When the situation has been corrected, Eco-Connect will automatically re-set

Mains Power Failure

In the event of a mains electrical failure, try and avoid operating the stove at a high temperature, by reducing the thermostat setting. The stove's thermostat should provide sufficient control, but if there are signs of overheating, usually by the stove 'boiling over' into the feed and expansion tank, do not refuel but allow the stove to go out.

When power is restored, Eco-Connect automatically resets itself.

Eco Setting

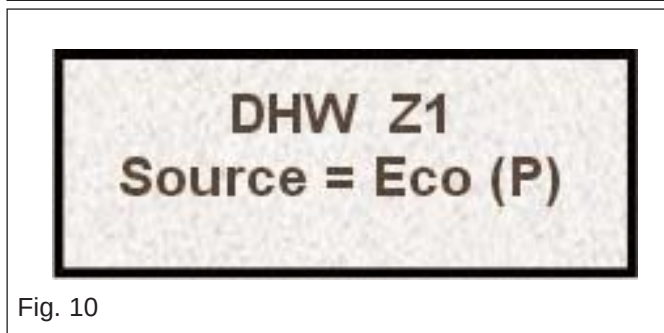
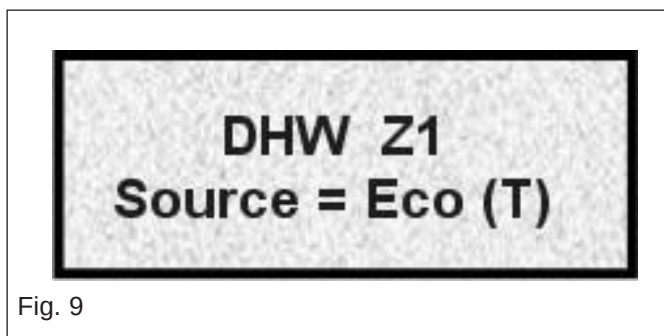
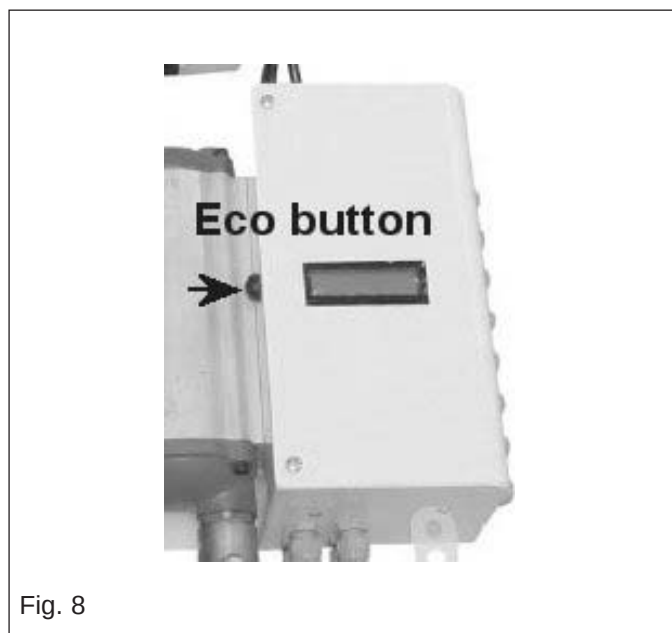
This feature is useful for when it is anticipated that heat energy will subsequently become available later in the day e.g. from a solar collector, or that the stove will be lit in the afternoon/evening. It prevents the hot water cylinder being topped up from the boiler, leaving room for the renewable energy to be used later in the day.

Press the 'Eco' button (Fig. 8) once and the automatic boiler is held 'OFF' for 6 hours with an additional display showing, (Fig. 9).

To return to automatic operation, press the 'Eco' button once more.

Press the 'Eco' button twice in quick succession, and the automatic boiler is 'OFF' permanently until the 'Eco' button is pressed again (Fig. 10).

To return to automatic operation, press the 'Eco' button once more.



Maintenance

Eco-Connect requires little maintenance. Your boiler service engineer will check over the operation as part of the boiler service routine, and ensure that the corrosion inhibitor in the system remains effective.

In the event of a problem occurring, your installer should be asked to investigate.

Parts Replacement

When replacing an individual component on Eco-Connect, use only spare parts that conform to the original safety and performance. Do not use reconditioned or copy parts that have not been clearly authorised by AGA.

DO NOT CHANGE THE TYPE OF HOT WATER STORAGE CYLINDER OR MODIFY THE PLUMBING SYSTEM IN ANYWAY, REFER TO YOUR INSTALLER.

As responsible manufacturer's, we take care to make sure that our products are designed and constructed to meet the required safety standards when properly installed and used.

IMPORTANT NOTICE: PLEASE READ THE ACCOMPANYING WARRANTY

Any alteration that is not approved by AGA could invalidate the approval of the appliance, operation of the warranty and could affect your statutory rights.

This system **MUST** be installed by a competent person.

**For further advice or information contact
your AGA-Rayburn Home Energy
Management Specialist**

With AGA's policy of continuous product improvement, the Company reserves the right to change specifications and make modifications to the appliance described and illustrated at any time.

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HOME ENERGY MANAGEMENT

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