

Reno

SYSTEM SERIES

*High Efficiency
System
Boilers*



USERS INSTRUCTIONS

Natural Gas G20:

Reno HE16S - GC No: 41-416-05

Reno HE25S - GC No: 41-416-02

Reno HE31S - GC No. 41-416-04

Propane G31 Variant:

Reno HE16SP - GC No: 41-416-09

Reno HE25SP - GC No: 41-416-12

Reno HE31SP - GC No. 41-416-08



The Johnson & Starley Reno range has an energy rating A on a scale of A to G. For more information see www.boilers.org.uk This is a certification mark.

RELIABILITY YOU CAN TRUST

www.johnsonandstarley.co.uk

Reno

SYSTEM SERIES

High Efficiency System Boilers



THE BENCHMARK SCHEME

Johnson & Starley Ltd is a licensed member of the Benchmark Scheme which aims to improve the standards of installation and commissioning of domestic heating and hot water systems in the UK and to encourage regular servicing to optimise safety, efficiency and performance.

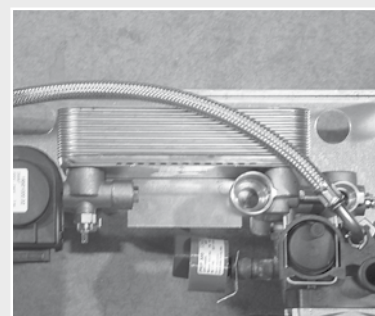
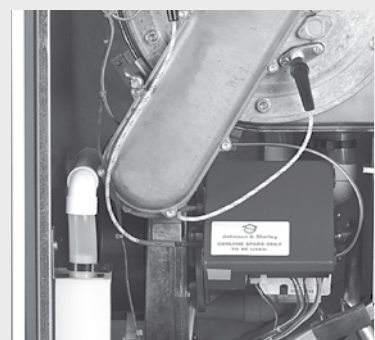
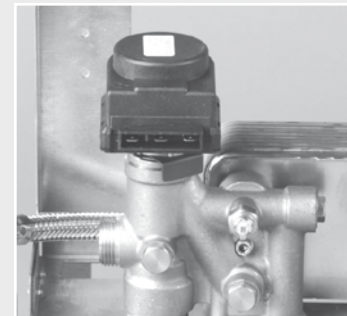
Benchmark is managed and promoted by the Heating and Hotwater Industry Council. For more information visit www.centralheating.co.uk

Please ensure that the installer has fully completed the Benchmark Checklist on the inside back pages of the installation instructions supplied with the product and that you have signed it to say that you have received a full and clear explanation of its operation. The installer is legally required to complete a commissioning checklist as a means of complying with the appropriate Building Regulations (England and Wales).

All installations must be notified to Local Area Building Control either directly or through a Competent Persons Scheme. A Building Regulations Compliance Certificate will then be issued to the customer who should, on receipt, write the Notification Number on the Benchmark Checklist.

This product should be serviced regularly to optimise its safety, efficiency and performance. The service engineer should complete the relevant Service Record on the Benchmark Checklist after each service.

The Benchmark Checklist will be required in the event of any warranty.



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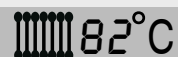
1. GENERAL INFORMATION

Part of the installation and commissioning of this appliance is related to instructions for use by the heating engineer to the user where specific requirements may occur, see note below.

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

2. SYMBOLS ON THE USER PANEL

Temperature of the central heating flow.



Fan is running.



Pump is running.



Ignitor is sparking.



Pressure in heating circuit.

1.0 bar

Central heating off mode.



Anti-cycle feature is in operation.



Flame modulation.



Outside temperature, when an OTC sensor is connected.



Opentherm boiler management system is connected.



Error code.



3. CONTROL PANEL

The flip door at the bottom of the boiler is held in the closed position. To gain access to the control panel, take hold of the side of the panel at the corners and pull towards you, allowing the door to drop into the open position.

To close the flip door, lift up the panel and push shut until it clicks into place.

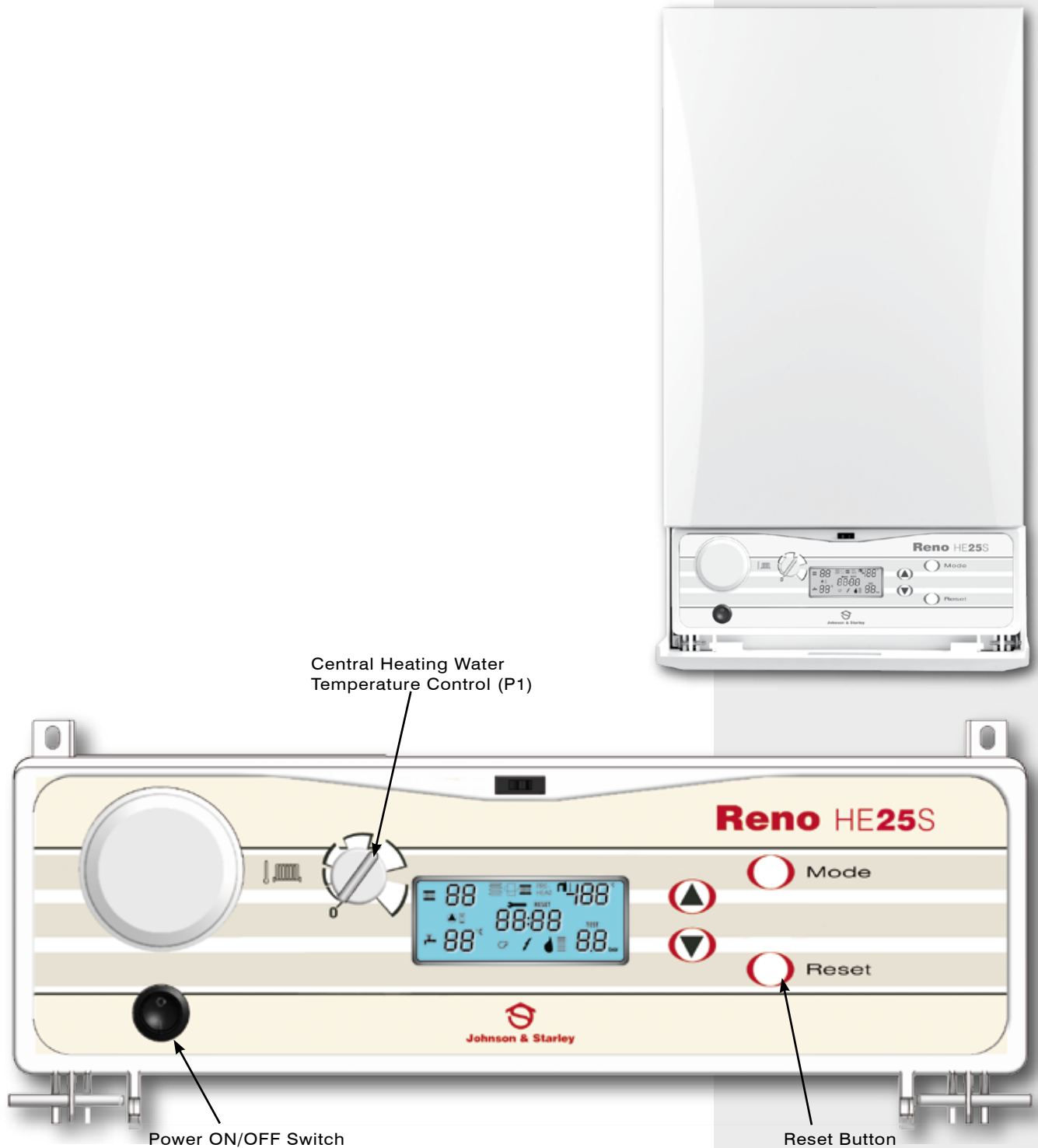


FIGURE 1
USER CONTROL PANEL

4. INITIAL LIGHTING

If turning on the boiler for the first time carry out the following steps:

- ◆ Check that the electrical supply to the boiler is ON at the external isolator.
- ◆ Ensure all hot taps are closed.
- ◆ Set any remote controls as required.
- ◆ Turn the CH to the minimum setting. Switch on the appliance at the on/off switch on the control panel. The boiler will then be in the STANDBY mode.
- ◆ Check the heating system pressure displayed in the RH lower corner of the display. This should read at least 1.0 bar. A sealed pressurised system must be filled by a competent person.

Only operate the boiler when you are sure that the system has been filled and pressurised. If you are in any doubt about the boiler being filled with water contact your installer.



1.0 bar

5. OPERATION OF THE BOILER

In order to turn on the central heating and adjust the temperature, turn the control knob P1 to the desired setting between off and max 82°C.

When the control knob is turned the central heating water temperature will flash and indicate the new temperature setting.

After a delay of 5 seconds the display will revert to a steady display of actual central heating water temperature. This will disappear if there is no central heating demand.

During a central heating demand the radiator symbol and the central heating water temperature will be illuminated on the display.

If central heating is not required for any extended period turn the control knob P1 fully anti-clockwise to the off position. In this position the frost protection will still be active.



82°C



82°C



6. RESET BUTTON

Should a fault occur this button can be pressed to reset the controls and initiate a new start up sequence.

7. FLAME LOSS

Should the flame signal be lost 5 times in any 4 minute period then the boiler will lockout and an error code will be displayed in the centre of the display. Pressing the reset will enable the boiler to relight.

If the fault recurs, turn off the boiler and consult a GAS SAFE registered installer.



RESET
ER:26

8. BOILER OVERHEATING

In the event of the boiler overheating the boiler will lockout and an error code will be displayed in the centre of the display. Pressing the reset will enable the boiler to relight.

If the fault recurs, turn off the boiler and consult a GAS SAFE registered installer.




RESET
ER:03

9. WATER SYSTEM PRESSURE

The water system pressure is shown in the bottom right hand of the display.

If the pressure drops below 1.0 bar it will begin to flash indicating the system needs to be topped up by a competent person.

If the pressure continues to drop and reaches 0.6 bar, an error code will appear in the centre of the display and all heat demands will be blocked. This may indicate a leak and the system should be checked before being re-pressurised.



1.0 bar



0.9 bar



RESET
ER:37

10. CONDENSATE DRAIN

The condensate drain must not be modified or blocked.

Blockage of the condensate drain caused by debris or freezing, can cause the boiler to lockout.

If freezing is suspected and the pipe run is accessible, then an attempt to free the obstruction by pouring hot water on to the pipe may be made. If this fails to remedy the problem, the assistance of a GAS SAFE registered installer should be sought.

11. SERVICE & MAINTENANCE

It is recommended that a full maintenance check be carried out annually on the appliance. It is also recommended to take out a further service agreement on the expiry of the guarantee period.

You can obtain further information on this from your gas supplier.

The appliance should be checked /serviced by a GAS SAFE registered installer.

If you require service on your appliance please contact your local installer or gas supplier.

On completion of the service the installer should fill in the service section at the rear of the BENCHMARK log book. All installers registered with GAS SAFE carry an identification card. This card will have an ID number which should be recorded in your logbook.

If you have any queries regarding your installer you can contact GAS SAFE by telephone on 0800 408 5500.

12. ESCAPE OF GAS

Should a gas leak be suspected contact your gas supplier with out delay.

Do not search for leak with a naked flame.

13. CLEANING THE APPLIANCE

The appliance casing should only be cleaned with a damp cloth then dried.

Do not use abrasive or solvent cleaners.

14. ERROR CODES

For any other error codes that you may encounter on your boiler, please refer to your Installation & Maintenance Instructions or contact your local GAS SAFE registered installer.



RESET
ER:??



Johnson & Starley

Johnson & Starley are the leading UK & European manufacturers of a complete range of **Domestic Warm Air Heaters**.

All the heaters suit both **Replacement** and **Upgrade** needs and are compliant with the new (2006) amendments to Part L of the Building Regulations.

HOME COMFORT SOLUTIONS

Company Details

Website Address	www.johnsonandstarley.co.uk
Email	sales@johnsonandstarley.co.uk marketing@johnsonandstarley.co.uk
Telephone Number	01604 762881 (Main switchboard)
Fax Number	01604 767408

Spares

Telephone	01604 707012
Fax	01604 762884

Sales

Telephone	01604 707012
Fax	01604 764879

Service

Telephone	01604 707011
Fax	01604 707017

Warm Air Upgrade Enquiry Service

Telephone	01604 707026
Fax	01604 707017

COMMERCIAL & INDUSTRIAL H&V SOLUTIONS

Company Details



Johnson & Starley	Dravo Division Industrial H&V
Website Address	www.dravo.co.uk
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Telephone Number	01604 707022
Fax Number	01604 706467

RENO BOILER RANGE



RENOXTRA

ECONOMAIRE WARM AIR HEATERS



HI-SPEC WARM AIR HEATERS

HOME 'N' DRY VENTILATION

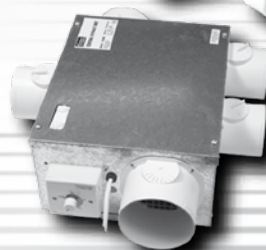


HEAT RECOVERY



DRYFLOW

CENTRAL EXTRACT VENTILATION SYSTEM



DRAVO

RELIABILITY YOU CAN TRUST

Rhosili Road, Brackmills, Northampton NN4 7LZ

In the interest of continuous development Johnson & Starley Ltd reserve the right to change specifications without prior notice