Reno

COMBI SERIES

High Efficiency Combination Boilers

USERS INSTRUCTIONS

Natural Gas G20:

Reno HE30C - GC No: 47-416-01
Reno HE37C - GC No: 47-416-02

Propane G31 Variants:

Reno HE30CP - GC No: 47-416-04
Reno HE37CP - GC No: 47-416-03

WRAS APPROVED PRODUCT

$C\epsilon$

Advantica
BS EN ISO 9001 : 2000

UKAS
QUALITY
MANAGEMENT
079

energy saving
recommended

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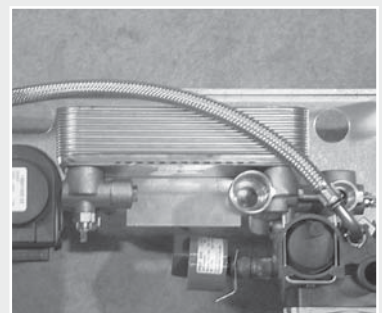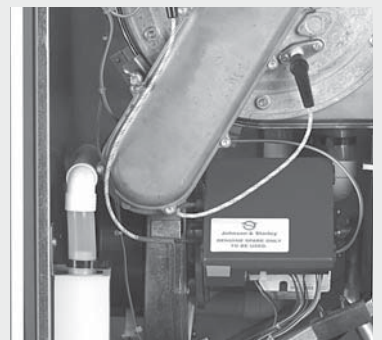www.boilers.org.uk
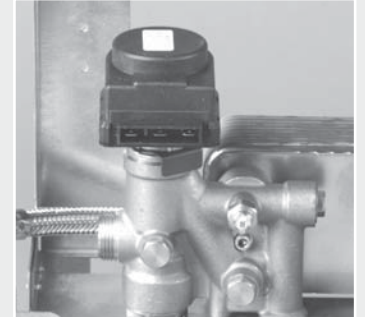This is a certification mark.

RELIABILITY YOU CAN TRUST

Reno
COMBI SERIES
High Efficiency Combination Boilers

THE BENCHMARK SCHEME

In order to comply with Building Regulations Part L (Part J in Scotland) the boiler MUST be fitted in accordance with the manufacturer's instructions.

Benchmark places responsibilities on both manufacturers and installers. The purpose is to ensure that customers are provided with the correct equipment for their needs, that it is installed, commissioned and serviced in accordance with the manufacturer's instructions by competent persons and that it meets the requirements of the appropriate Building Regulations. The Benchmark Checklist can be used to demonstrate compliance with Building Regulations and should be provided to the customer for future reference.

Installers are required to carry out installation, commissioning and servicing work in accordance with the Benchmark Code of Practice which is available from the Heating and Hotwater Industry Council who manage and promote the Scheme.

Visit www.centralheating.co.uk for more information.

benchmark
COLLECTIVE MARK
THE MARK OF QUALITY FOR THE INSTALLATION, COMMISSIONING AND SERVICING OF DOMESTIC HEATING AND HOT WATER SYSTEMS
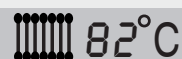
CONTENTS

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 central heating flow.	IIIIII 82°C
Pre-Heat selected.	PRE-HEAT
Pump is running.	▲
Fan is running.	⌀
Anti-Cycle feature is in operation.	⧖
Outside temperature, when an OTC sensor is connected.	🏠❘ 12°C
Pressure in heating circuit	1.0 bar
Temperature of the domestic hot water.	🚰 65°C
Summer mode	IIIIII
Ignitor is sparking	⚡
Flame modulation.	◖≡
Opentherm boiler management system is connected.	⟳
Error code.	ER:88 RESET
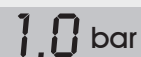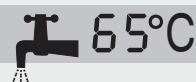
www.johnsonandstarley.co.uk

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.

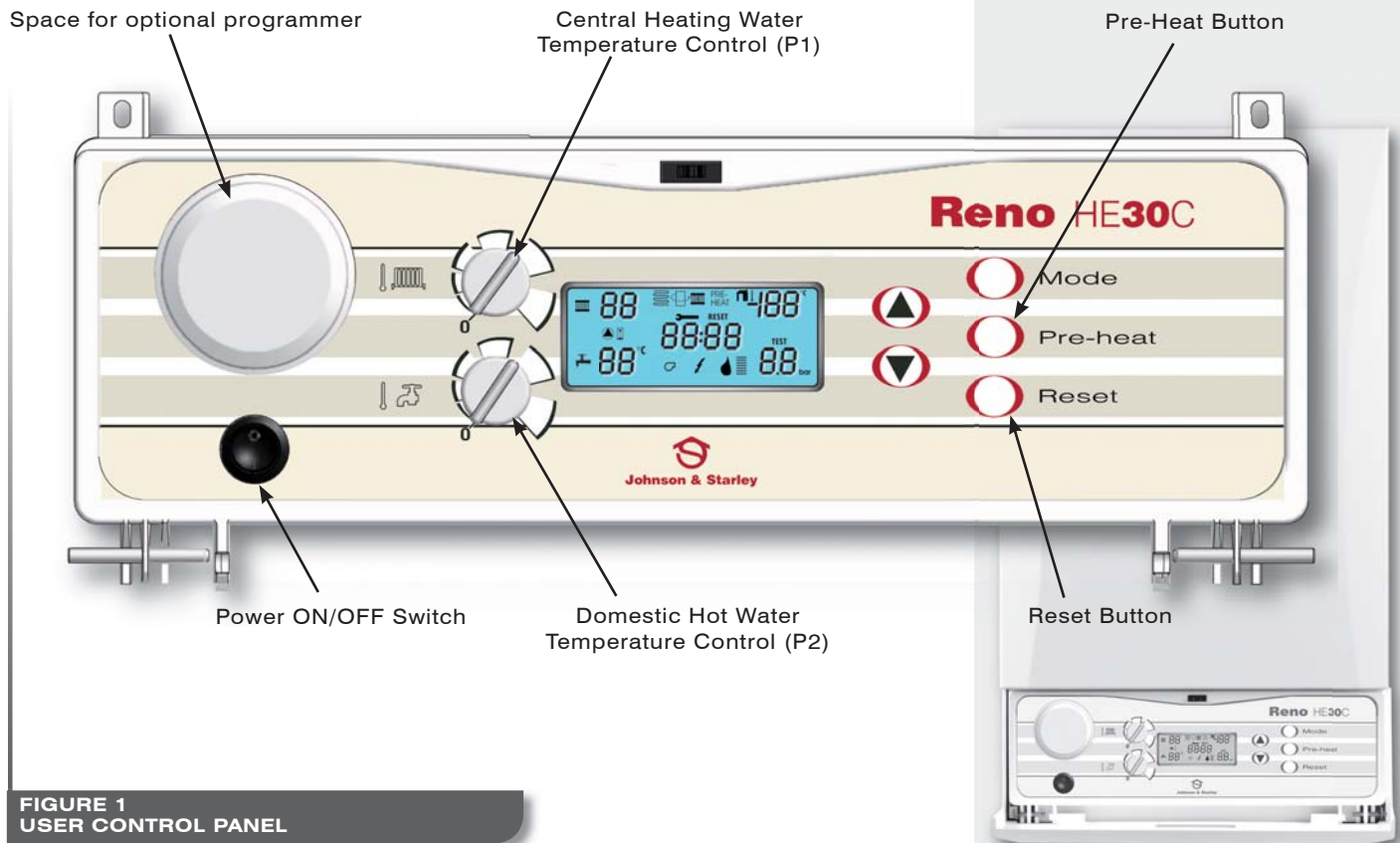To close the flip door, lift up the panel and push shut until it clicks into place.

Space for optional programmer

Central Heating Water Temperature Control (P1)

Pre-Heat Button

Reno HE30C

Mode

Pre-heat

Reset

Johnson & Starley

Power ON/OFF Switch

Domestic Hot Water Temperature Control (P2)

Reset Button

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 and DHW controls 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 CENTRAL HEATING

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 "heating off " symbol will be displayed, the domestic hot water and frost protection will still be active. This is also the "summer mode".
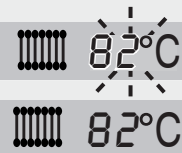
6. OPERATION OF DOMESTIC HOT WATER

The domestic hot water temperature is adjustable between 30°C and 65°C by the control knob P2.

When the control knob is turned the DHW 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 DHW temperature. This will disappear if there is no DHW demand.

During a DHW demand, the tap symbol and the DHW temperature will be illuminated on the display.

7. PRE-HEAT BUTTON

With the pre-heat button selected the boiler is maintained in a hot condition to enable a fast response to any DHW demand. When selected, PRE-HEAT will be illuminated on the display.

If required this can be selected for all year round use, but will be of maximum benefit in the summer months, or when there is little or no demand for central heating, in which case the boiler would become cold without the pre-heat button selected.

The pre-heat function has a built-in intelligent function that will turn itself off if there is no DHW demand for a 24 hour period. If previously selected, once DHW water has been drawn off, the function will automatically re-enable.

8. RESET BUTTON

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

9. 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 CORGI registered installer.

10. 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 CORGI registered installer.

11. 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`

`ER:37 RESET`

12. 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 CORGI registered installer should be sought.

13. 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 CORGI 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 CORGI 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 CORGI by telephone on 01256 372400.

14. ESCAPE OF GAS

Should a gas leak be suspected contact your gas supplier without delay.
Do not search for leak with a naked flame.

15. CLEANING THE APPLIANCE

The appliance casing should only be cleaned with a damp cloth then dried.
Do not use abrasive or solvent cleaners.

16. 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 CORGI registered installer.

`ER:?? RESET`

17. ANALOGUE TIME CONTROL *(if fitted)*

Indicator Arrow

SETTING THE TIME

Rotate the dial clockwise, by hand, until the indicator arrow is pointing to the current time.

Note: The time is set in 24 hour format.

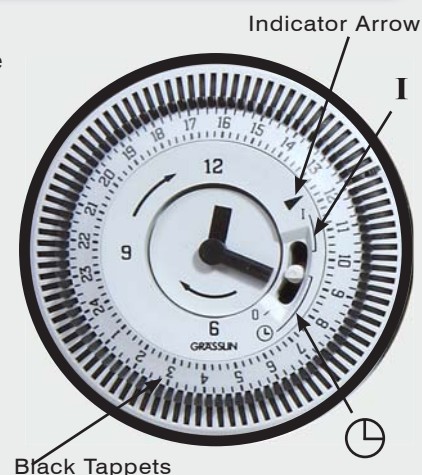### SETTING THE CENTRAL HEATING ON AND OFF TIMES

Select the on times by pushing the black tappets to the outside.

Select the off times by pushing the black tappets to the inside

OVERRIDING THE CLOCK

The clock has a manual on off switch which operates as follows

I   Heating on continuously

🕐   Heating on timed

0   Heating off

Black Tappets

18. DIGITAL PROGRAMMER *(if fitted)*

BUTTON DESCRIPTION

🕐	Time/Automatic Run mode selection
Prog	Programme selection
Res	Reset clears all settings
	ON/OFF selection in Programme mode
	Manual override selector in run mode
+/-1h	Summer/Winter time settings
h	Set the hour
m	Set the minute
Day	Set the days

19. LCD DISPLAY

The LCD display incorporates a number of different elements to display various data and information

Days of the week   Time of day

Run Mode:

Off ⌒   Continuous Off ⌞⌒⌝

On ⬤   Continuous On ⌞⬤⌝

Manual Override On
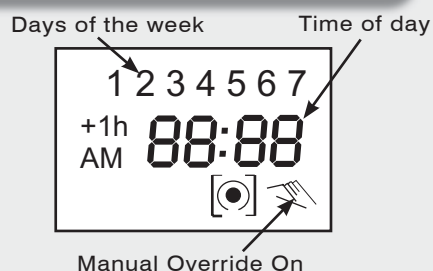
20. PROGRAMMES

The Digital Programmer will accept up to 20 events. Each event consists of:

♦   An ON or OFF command

♦   Time of day (hour and minutes)

♦   Single day or multiple days

An event is required for each ON and OFF.

NOTE: MULTIPLE ON OR OFF EVENTS MAY BE PROGRAMED, SEE EXAMPLE. BEFORE PROCEEDING WITH SETTING THE TIME AND PROGRAMMING THE UNIT, PRESS THE RESET KEY TO CLEAR ALL DATA FROM THE MEMORY.

21. SELECTING AM - PM OR 24 HOUR CLOCK

After pressing reset the display may show AM, numbered days will be flashing on and off.

If the display does not show AM. It is in 24 hour mode, press and hold the h key and press the +/-1h key once. AM will appear in the display

If display is in AM/PM mode and 24 hour time mode is desired, press and hold the h key, press the +/- key once

22. SETTING THE TIME

If the h and m keys are held down longer than 2 seconds, the numbers will advance rapidly.

Press and hold the ⏲ key during the following:

(If British summer time is in effect, press +/- 1h first)

Press h to advance the current hour (While holding down the ⏲ key)

Press m to advance to the current minute (While holding down the ⏲ key)

Press DAY repeatedly to advance to current day (While holding down the ⏲ key)

Time of day

```
1 2 3 4 5 6 7
+1h  88:88
AM
     [●]  〰
```
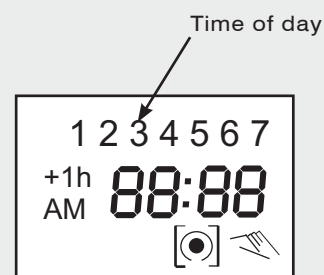
23. DAY KEY SELECTION

PRESS ANY KEY	DISPLAY SHOWS	DAYS
0 times	1 2 3 4 5 6 7	Every Day
1 times	1 2 3 4 5 6	Mon – Sat
2 times	1 2 3 4 5	Mon – Fri
3 times	6 7	Sat & Sun
4 times	1	Monday
5 times	2	Tuesday
6 times	3	Wednesday
7 times	4	Thursday
8 times	5	Friday
9 times	6	Saturday
10 times	7	Sunday

NOTE: If the days are flashing, it indicates the day of the week was not set when setting the time. The timer cannot be programmed unless the day of the week is entered.

24. MANUAL GMT/BST TIME CHANGE OVER

Each year, in the spring press +/- 1 hour to advance the time an hour. In the Autumn press +/- 1 hour to set back an hour

25. PROGRAMMING 24 HOUR OR 7 DAY SCHEDULE

It may be helpful to write out the programme schedules before beginning.
EXAMPLE:-

Event 1: On at 7.00am Monday through to Saturday

Event 2: Off at 5.00pm Monday through to Friday

Event 3: Off at 7.00pm Saturday

Three events need to be entered

EVENT 1
(ON AT 7:00am MONDAY THROUGH SATURDAY)

Press ✏ key once. ON symbol [◉] appears

Press h key to 07am

Press m key once to 00

Press Day key once 123456 is displayed

Press Programme key to enter

EVENT 2

(OFF AT 5.00pm MONDAY THROUGH TO FRIDAY)

Press ✏ key twice. Off symbol ⌒ appears

Press h key to 05pm

Press m key once to 00

Press Day key twice 12345 is displayed

Press Programme key to enter

EVENT 3

(OFF AT 7.00pm SATURDAY)

Press ✏ key twice. ON symbol [◉] appears

Press h key to 07pm

Press m key once to 00

Press Day key 9 times 6 is displayed

Press Programme key to enter

Press 🕐 key to enter run mode

IF 24 HOUR TIME CONTROL (SAME SCHEDULE EVERY DAY OF THE WEEK) IS DESIRED IGNORE Day KEY.

```
1 2 3 4 5 6 7

AM  ‒ ‒ : ‒ ‒
```

2   6.   EVENT REVIEW

To review the programs at any time, press Programme key. Events will appear in the order they were entered with repeated presses of the Programme key. After all events have been reviewed the display will go blank in order to allow you to enter another event. Another press of the Programme key will display the number of free events spaces.

27. MANUAL OVERRIDE

While in the run mode, pressing the 🕐 key will reverse the current mode i.e on to off or off to on.

28. CONTINUOUS OPERATION

While in the run mode, press the ✍ key twice to turn the output to permanently on. The ⦿ symbol appears in the display.

To revert back to timed operation press the ✍ until the 🕒 symbol appears in the display.

29. CHANGING AN EVENT

Select the event to be changed with the Programme key. A new set of days may be selected with Day key just as in initial programming.

Hours and minutes can be changed with the h and m keys

Press the Programme key to store the new programme.

30. TROUBLESHOOTING

Problem: Days are flashing and pressing any key does nothing BUT ✍ key turns output ON and OFF.

Solution: Time of Day and DAY of Week have not been set. This may occur if the power has been off to boiler for longer than 3 days.

Problem: Time of day was set while holding the 🕒 key down but the days are still flashing.

Solution: Current day of the week has not been set.

Problem: It is 10am and an ON event for 8am was entered but the output symbol is not ON. Display shows the 🕒 and the ◠ symbols.

Solution: After programming the timer does not look back and will not take place until the event recurs at 8am tomorrow. In order to turn the boiler ON use the manual override.

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**
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Email	**dravo@johnsonandstarley.co.uk**
Telephone Number	**01604 707022**
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In the interest of continuous development Johnson & Starley Ltd reserve the right to change specifications without prior notice

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