NEWMAN FIREPLACES LTD

Owner's Manual

Includes

Installation, Service, Maintenance and User Instructions

FLAMEVIEW ST1 GAS STOVE

THIS APPLIANCE IS CATEGORY I_{2H} FOR USE WITH NATURAL GAS AT A SUPPLY PRESSURE OF 20 MBAR.

These instructions **Must** be left with the user for future reference.

For use in Great Britain.

UK CA

Issue 7

1.0 Appliance data

Model	FLAMEVIEW ST1
Gas type	G20 (Natural gas)
Supply pressure (measured at test elbow), mbar	20
Injector (x1)	Stereomatic 500
Oxypilot type	Erta PG-82 -330 A14
Nominal Heat Input (Qn), kW (Gross)-Maximum Rate	5.1
Gas consumption at max rate (m^3/h)	0.526
Minimum heat input kW (Gross)	2.9
Gas consumption at minimum rate (m^3/h)	0.300
Gas connection	8mm compression
Remote gas valve	TESCO1 RF868-15
Countries of Destination	GB
Efficiency class	C
NOX	130 mg/kWH

1.1 IMPORTANT: Health & Safety notice

- Please read the instruction manual in its **entirety**.
- The stove is a very heavy appliance and care must be taken when lifting and moving, we recommend that suitable lifting equipment is used or alternatively use a competent 2 person lift following Health & Safety lifting guidelines.
- The installer has a responsibility to **ensure** that all requirements of the Health & Safety at Work Act are observed & implemented as stated on the date of installation.
- This stove **must not be used** for any other purpose than as a domestic room heater and decorative stove.
- In Great Britain it is the law that all gas appliances **must be** installed by a competent person, i.e. a Gas Safe registered installer, in accordance with the Current Gas Safety (Installation and Use) Regulations (as amended) all relevant parts of the Local and National Building Regulations, the Building Regulations (Scotland consolidation) issued by the Scottish Development Department, and all applicable requirements of the standard codes of practice, and all relevant recommendations of the British Standards. Failure to do so could lead to prosecution.
- The stove **must** stand on a non-combustible hearth and be at least 12mm thick and a sufficient size to accommodate the stove and meet the requirements of current National Regulations, Local Regulations, and any Rules in Force.

- This stove **must only** be installed onto floors with an adequate load-bearing capacity. If an existing construction does not meet this requirement, suitable measures (e.g., load distributing plate) **must be** taken and **must be** in accordance with *Current National laws, Building Regulations, & any Rules in Force.*

- A suitable carbon monoxide alarm **must be** fitted upon the installation of a fixed combustion appliance as stated in Document J.

- **Ensure** the carbon monoxide alarm within the room the appliance is installed is, operating correctly and serviced / maintained as required, refer to the Carbon Monoxide alarm manufacturer instructions.

- This appliance **must be** serviced **at least** annually by a competent and suitably registered gas engineer.(Gas Safe) Great Britain.

- The flue / chimney **must be** swept clean and inspected **at least** once every year by a competent person, this would normally be undertaken at the same time as when the stove is serviced. A suitably registered chimney sweep **must be** used who will provide certification for this work.

- The installer may have fitted a permanent air supply vent into the room in which the stove is installed to provide combustion and / or ventilation air. This air vent **must not** under any circumstances be shut off or sealed.

- If a permanent air supply vent is installed into the room for any reason, it **must be** checked regularly to ensure it is totally free from obstructions.

- This stove is a **high heat** producing appliance and **may cause severe burns & injury** if touched to any part.

- All surfaces except the control valve are considered to be working surfaces and will get very hot during and after use, when using this stove in situations where children, aged or infirm persons are present a fireguard manufactured in accordance with the current edition of BS 8423 **must be used** and such persons **must be supervised at all times.** It is recommended that all other people use this type of fireguard.

- This appliance will get very hot therefore it **must not** be used or installed in areas where flammable gases, flammable liquids, for example paint, and petrol are used or stored.

- **Never** use or store aerosol sprays or any other combustible products in the vicinity of the stove when it is in operation or whenever the stove is hot. The stove will remain hot for some time even after the fire is extinguished.

- Combustible materials must be removed from behind the appliance and be a **minimum** distance of 300mm away from any surface of the appliance.

- Combustible materials **must not** be used in the recess housing the appliance.

- **Do not** place photographs, TV's, paintings, porcelain, etc or other combustible items on the wall or near to the appliance. Exposure to hot temperatures can be dangerous and cause damage.

- **Clearances to furniture, soft furnishings and decoration:**

  Serious consideration should be given to the positioning of any furniture, soft furnishings or decoration that could be adversely affected by heat. Newman Fireplaces Ltd recommend that any furniture, soft furnishings, decoration, to be a **minimum of 1200 mm** away from any surface of the stove.

- **Do not** place curtains / blinds above the appliance.

- **Do not** drape clothes or any materials over the stove.

- This appliance **must not** be used without the glass window in place or a damaged glass window, seek expert advice.

- This stove is fitted with a spillage monitoring system consisting of a thermal switch, which shuts the appliance off in the event of a blocked flue or inadequate flue pull occurring. The system **shall not** be adjusted by the installer or any other person or **shall not** be put out of action. When the spillage monitoring system is required to be replaced, only original manufacturers parts **shall be used**. If the stove switches off for no apparent reason, the appliance **must not** be used until **expert advice** is obtained and the fault rectified.

- This appliance could contain some of the materials, as indicated below, that could be interpreted as being injurious to Health and Safety. It is the users / installers responsibility to ensure that the required personal protective clothing and shields are worn when handling these materials, see below for more information.

Artificial Fuels, Mineral wool, Insulation material, Refractory / Ceramic fibres, Glass yarn, Glowing embers, Vermiculite Granules- may be harmful if inhaled, may be irritating to skin, eyes, nose, and throat.

When handling avoid inhaling and contact with skin and eyes. Use disposable gloves, facemasks, and eye protection. After handling wash hands and other exposed parts thoroughly. If a vacuum is used for cleaning the logs or cleaning after installation or servicing, it is highly recommended that the vacuum is of a type fitted with a Hepa filter.

Disposal of refractory / ceramic materials. To keep dust to a minimum these materials should be securely wrapped in polythene and be clearly labelled ‘RCF waste’. These materials are **not** classified as hazardous waste and should be disposed of at a site licensed for the disposal of industrial waste.

- During initial use due to the newness of the appliance, a slight odour may be evident. This is the binder used during the manufacture of the fibre components of the fire, although this odour is not harmful it is recommended to open all windows and exit the room to allow the odour to disperse from the room as soon as possible. If an odour is still present after the

initial firing stage, then switch the appliance off and seek professional help before attempting to use the appliance again.

- The simulated fuel **must be** arranged **only as shown** in these instructions by a suitably registered and competent gas appliance installer.

- **Only** replace ceramic parts or any parts of the fuel bed with parts supplied by the manufacturer for this stove, **do not change** the fuel bed layout from the instructions supplied, any parts that require to be replaced or re-arranged **must only be** made by a suitably registered and competent gas appliance installer.

- Should the stove extinguish for any reason **do not** relight for **a minimum** of 3 minutes.

- If the stove fails and the appliance goes to reset the start button will have to be held for 10 seconds to clear the remote fault.

- **Ensure** the appliance is switched off and ensure the appliance is completely cold before removing or changing batteries or cleaning /maintaining the appliance.

- **NEVER** dispose of batteries within a fire. Failure to observe this precaution **may result in an explosion.** Dispose batteries at your local hazardous material processing centre.

- During periods of non-regular use of the appliance such as during the summer months or any other times it is **IMPERATIVE** that the batteries are removed and stored safely from the remote-control handset and the gas burner TESC gas valve. Only remove the batteries from the TESC gas valve when the appliance is switched off, and only when the appliance is completely cold. Failure to remove the batteries during these times can cause the batteries to leak and damage the TESC gas valve and the remote handset, this will **INVALIDATE THE GUARANTEE**.

1.2 Conditions of installation

- This appliance **must only** be installed in Great Britain.

- This appliance is only suitable for natural gas.

- In Great Britain it is the law that all gas appliances **must be** installed by a competent person, i.e. a Gas Safe registered installer, in accordance with the Current Gas Safety (Installation and Use) Regulations (as amended) all relevant parts of the Local and National Building Regulations, the Building Regulations (Scotland consolidation) issued by the Scottish Development Department, and all applicable requirements of the standard codes of practice, and all relevant recommendations of the British Standards. Failure to do so could lead to prosecution.

Please see below the relevant Codes of Practice and British Standards:

1. BS 5871 part 1
2. BS 6891 installation of gas pipework
3. BS 5440 parts 1 & 2 installation of flues and ventilation

4. BS 8303 installation of domestic heating appliances

This appliance **must be** installed to current versions of the above standards and include any relevant amendments to:

The Building Regulations issued by the Department of The Environment.

The Building Standards (Scotland) (Consolidated) Regulations issued by the Scottish Development Office.

No purpose made additional ventilation is normally required for this appliance when installed in Great Britain, please consult the current edition of National and Local Building Regulations and any Rules in Force.

In Scotland, please consult the current edition of the Building Standards Regulations, issued by the Scottish executive.
Any purpose made ventilation **must be** checked periodically to ensure that it is free from obstruction.

Before installation, check that the local distribution conditions, nature of the gas and pressure, and adjustment of the appliance are compatible. Natural gas (G20 @ 20mbr).

Important Information

- When installing the FlameView ST1 gas stove, careful consideration should be made to the siting of the appliance as a spillage test will need to be carried out at the Draught Diverter at the rear of the stove.

- When installing into an Inglenook / recessed fireplace opening, consideration should be made for access to the rear of the appliance, either from the top or sides of the stove so a spillage test positioned at the Draught Diverter to the rear of the stove can be witnessed, a small mirror to aid in this task may be required.

1.3 Flue & chimney suitability

This appliance is designed for use with suitable Class 1 conventional brick built or lined chimneys or a suitable Class 2 Rigid flue system. All flues **must** conform to the following minimum dimensions:

Minimum dimension of flues: **125 mm internal diameter.**

Minimum effective height of all flue types: **3 Metres.**

Before commencing installation, a flue or chimney **must be** inspected to ensure that all of the following conditions are satisfied:

1. Check that the chimney / flue only serves one fireplace and is clear of any obstruction, any dampers or register plates must be removed or securely locked in the open position.

2. Brick / stone-built chimneys or any chimney or flue which has been used for an appliance burning fuel other than gas must be thoroughly swept.

3. Any under floor air supply to the fireplace must be completely sealed off.

4. Ensure that the inside of the chimney / flue is in good condition along its length and check that there is no leakage of smoke through the structure of the chimney / flue during and after the smoke pellet test.

5. Using a smoke pellet check there is an updraft in the chimney / flue and that the smoke can be seen coming from the terminal / pot outside.
   There **must be NO** leakage of smoke through the structure of the chimney during or after the smoke pellet test and it is important to check the inside upstairs rooms adjacent to the chimney /flue.

   Check the chimney pot / terminal and general condition of the brickwork and masonry. If the chimney / flue is in poor condition or if there is no up-draught **do not** proceed with the installation. If there is a history of down draught conditions with the chimney / flue, a tested and certificated flue terminal or cowl suitable for the relevant flue type and appliance should be considered.

6. No combustible materials to be installed inside the fireplace / chimney opening.

2.0 Installation

2.1 Hearth

The stove **must be** installed on a non-combustible hearth with the hearth material being at least 12 mm thick and must have a clearly defined edge (change of level) to discourage placing of any combustible materials on or partially over it. The hearth **must** protrude at least 150 mm (6”) in front of the stove and extend outwards all around the appliance base.

2.2 Siting

- The stove **must not** be installed in a bathroom.
- The stove can be recessed in a suitably sized **non**-combustible fireplace, but a permanent free air gap as listed below in section 2.3 **must be** made.
- This stove **must only** be installed onto floors with an adequate load-bearing capacity. If an existing construction does not meet this requirement, suitable measures (e.g., load distributing plate) **must be** taken and **must be** in accordance with *Current National laws, Building Regulations, & any Rules in Force.*
- Combustible materials **must be** removed from behind the appliance and be a minimum distance of 300mm away from any surface of the appliance.
- Combustible materials **must not** be used in the recess housing the appliance.
- The stove **must be** installed level in all planes. The stove does offer limited levelling adjustment, this can be achieved by adjusting the 4 bolts located at each corner at the base of the stove with a suitable spanner.
- Use suitable screws and washers, through each hole within the fixing lugs located at each corner at the base of the stove, to securely fix the stove to the base hearth, suitable holes will require to be drilled into the base and suitable screw plugs to be used.

Important:

- When installing the FlameView ST1 gas stove, careful consideration **must be** made to the siting of the appliance as a spillage test will need to be carried out at the Draught Diverter at the rear of the stove.
- When installing into an inglenook / recessed fireplace opening, consideration **must be** made for access to the rear of the appliance, either from the top or sides of the stove so a spillage test positioned at the Draught Diverter to the rear of the stove can be witnessed, a small mirror to aid in this task maybe required.

2.3 Distance from NON-combustible materials

Clearance from non-combustible material in the fireplace opening **must be** at least to the dimensions shown in the table below.

Position	**Non**-combustible material
	Minimum Distance mm
Above the appliance	100mm
Rear of the appliance	50mm
Left side of the appliance	100mm
Right side of the appliance	100mm

Fitting the stove any closer to non-combustible materials as shown to the table above may cause Nuisance shutdown of the stove as the airflow may be compromised and the thermal cut off will operate, the efficiency of the appliance will also be reduced.

2.4 Distances to Combustible materials

Position	Combustible material
	Minimum Distance mm
Above the appliance	300mm
Rear of the appliance	300mm
Left side of the appliance	300mm
Right side of the appliance	300mm

2.5 Flue connection

The flue **must be** at least 3m high and at least 125 mm diameter (5”) at no point should there be any negative or horizontal gradients in the flue pipe.

It is recommended that a minimum height of 600mm of vertical flue pipe is made from the stove top flue connection before any significant change of direction of the flue.

A suitable register plate (not supplied) will be required.

Refer to relevant current National and Local Regulations and any Rules in Force for flue connection.

2.6 Ventilation

No purpose made additional ventilation is normally required for this appliance when installed in Great Britain, please consult the current edition of National and Local Building Regulations and any Rules in Force.

In Scotland, please consult the current edition of the Building Standards Regulations, issued by the Scottish executive.
Any purpose made ventilation **must be** checked periodically to ensure that it is free from obstruction.

2.7 Installation of the rear back plate or the optional extra, rear black glass chamber panel

Prior to installing the gas burner and connecting the gas supply the rear metal back plate supplied or the optional extra, rear reflective black glass panel must be installed as shown, either option conceals the screws and rear baffle behind. Ensure the top bracket has secured the top edge of the rear metal back plate or rear reflective black glass panel depending on the option selected.

Drawing showing installation of the rear back plate or rear black glass chamber panel

2.8 Gas supply routing

- Gas connection 8mm compression: Rigid.

- Determine the gas supply route to the appliance before installing the stove.

2.9 Gas connection

- **Ensure** the gas supply being used is fully purged to ensure it is not contaminated with any substance before connecting to the stove.

- The gas connection is underneath the stove to the rear and slightly to the left, this can be accessed by removing the glass window which requires the removal of the bolts retaining the steel glass retaining frame, seal, and window, once removed the 4 bolts holding the burner in place can be removed and access to the gas inlet elbow can be gained, once the connection and all checks are complete, check for gas soundness. Replace the burner and place ceramics as shown in section 2.9.4. Replace the glass window and frame with seal using all the bolts, ensuring all bolts are tightened evenly.

Important Warning:

It is **IMPERATIVE** that the gas supply to the appliance is adequately purged to ensure it is **NOT** contaminated with any substance, failure to do this will potentially cause problems with the burner, the TESC gas valve and all associated burner and control parts, this will **INVALIDATE THE GUARANTEE**.

2.9.1 Checking gas soundness

- Turn on the gas supply being used for the appliance and check for gas soundness in accordance with current codes of practice. Turn off the gas supply to the appliance.

- Remove the pressure test point screw from the inlet elbow and connect the pressure gauge.

- Turn on the gas supply to the appliance at the isolation valve.

- Turn the appliance full on (see operating instructions)

- Check the inlet pressure is 20mbar.

- Turn off the gas supply to the isolation valve. Disconnect the pressure gauge and replace the pressure test point screw.

- Turn on the gas supply to the appliance and check the pressure test point for soundness with suitable detection fluid.

2.9.2 Spillage test

A spillage test **must always** be carried out during commissioning of this appliance to ensure all products of combustion are safely expelled.

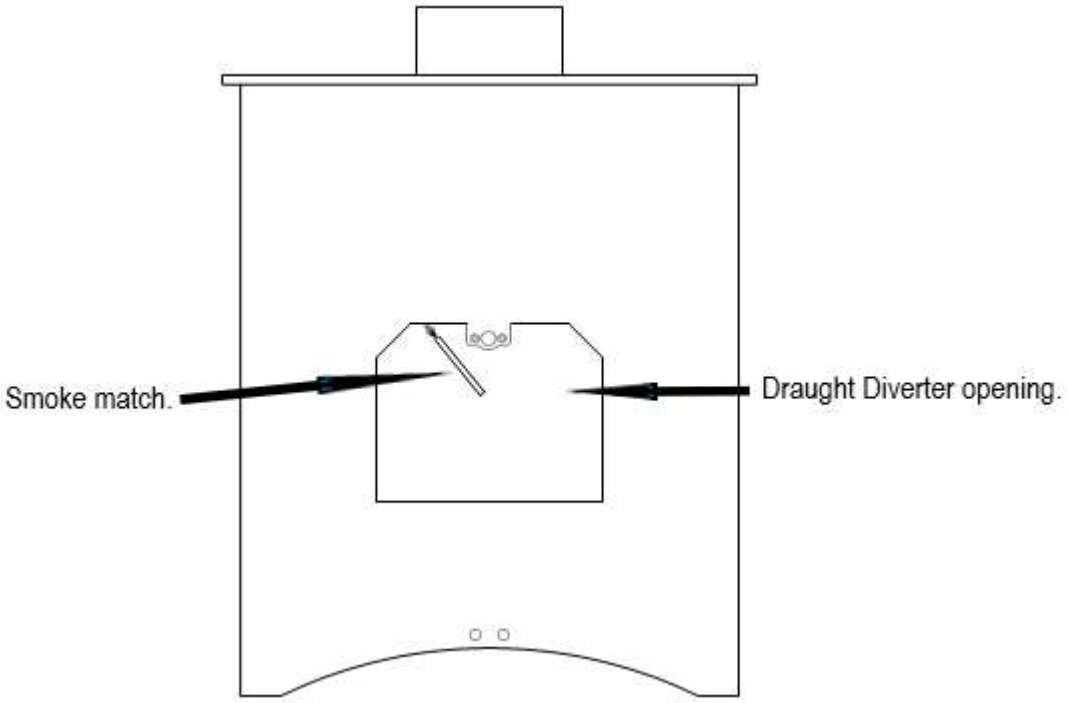
Ensure that the spillage test can be witnessed in its entirety.

WARNING: This stove will become very hot whilst carrying out the spillage test therefore suitable non-combustible protection **must be** worn.

Important: The smoke test must be carried out with the fire starting from cold.

- Light the fire and leave at maximum input.
- Close all windows and doors.
- After 5 minutes fit the smoke match in a holder and position as illustrated with the head of the smoke match just touching the top edge of the Draught Diverter opening.
- Run the smoke match along the top edge of the Draught Diverter, all smoke must be drawn into the test opening if the clearance is satisfactory.
- If spillage occurs wait a further 5 minutes and repeat the test, should spillage still occur turn the fire off and disconnect the gas supply and make safe and seek expert advice.
- If the above tests prove satisfactory then repeat the test with interconnecting doors fully open and any extractor fans in other rooms in operation at maximum speed.
- If spillage is detected the cause must be discovered and the fault corrected, if the fault cannot be corrected, disconnect the fire from the gas supply and make safe and seek expert advice. Spillage can be caused by a restriction in the flue system, down draught, or insufficient ventilation into the room where the appliance is installed.

Rear of stove



2.9.3 Carbon Monoxide Alarm

- A Carbon Monoxide Alarm **must be** installed within the room containing the appliance, refer to current document J of the Building Regulations.

2.9.4 Placement of simulated fuel:- vermiculite mica, ceramic logs, glowing embers & bark chippings.

Ensure the stove is off, isolated from the gas supply and cold before placement of the simulated fuel.

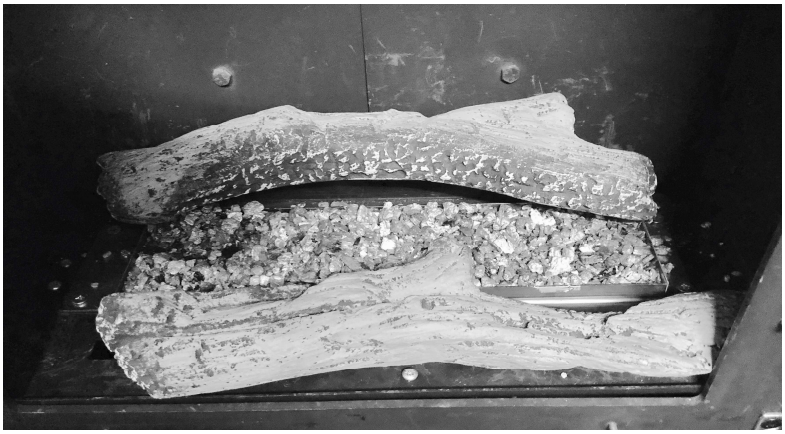
Simulated fuel quantities.

- 7 x Log shapes
- 1 x Bag mica vermiculite
- 1 x Bag or carton bark chippings or black coke nuggets
- 1 x Bag or Carton glowing embers

The logs <u>must be</u> positioned as in the pictures below.
<u>WARNING</u>: Do not change the fuel bed layout, the type or number of logs.

Completely fill the burner with the mica supplied.
Ensure if any mica spills into or onto the pilot light assembly it is removed before commencing further.
<u>Do not use</u> the appliance without the mica in the burner.

Identify the rear log and place it on top of the rear part of the burner up against the stove back plate as shown to the left had picture.



Identify the front log and place it on top of the metal chassis plate as shown in the left-hand picture.

<u>Ensure</u> the pilot light is visible.

Identify the left-hand log and place it on top of the metal chassis plate surrounding the burner as shown in the left-hand picture.

Identify the right-hand log and place it on top of the chassis metal plate surrounding the right-hand side of the burner.

See the left-hand picture.

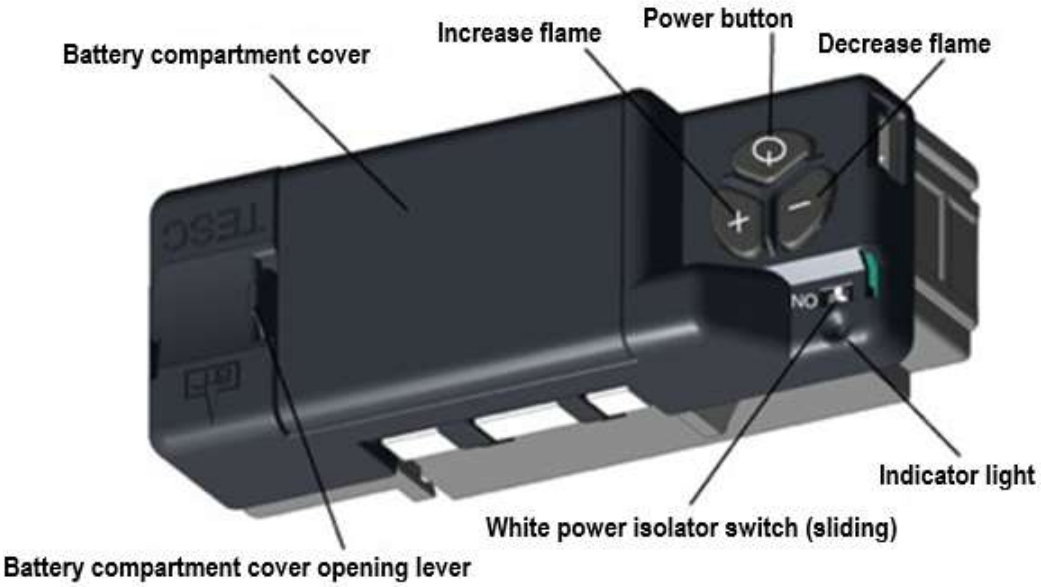
Identify the log that sits on the mica to the left-hand side of the burner, position so each end of this log is resting on the rear and front log as shown to the left-hand picture.

Identify the left-hand branch log and place each end of this log on top of the front and rear log as shown in the left-hand picture.

Identify the final right-hand top log and position one end on top of the end of the left-hand branch log and the other end on top of the right-hand end of the right-hand side of the front log as shown in the left-hand picture. **Small** amounts of glowing ember can be placed on top of the mica where the flames will extend between the logs at the X positions as shown in the left-hand picture. **Ensure** that no glowing embers are near or touching the pilot light assembly as this will cause a malfunction. The bark chippings or black coke nuggets provided can be used around the outer metal edge of the burner as decoration but **must not** be used within the burner or near to the pilot light.

2.9.5 Operating Instructions

Below – the TESC gas valve, which is situated at the bottom, right of the appliance. To gain access to the control the stove door will require to be opened by gently pulling on the underside of the left-hand side which will release the magnetic catch and allow the door to be swung open. **ONLY** open the door when the appliance is switched off, and only when the appliance is completely cold. Access to this control is only required by the installer at the time of installation when initially setting up the fire or when batteries are removed or replaced, the appliance is designed to be operated by the remote-controlled hand set only **NOT** by using the TESC gas valve.



Below – remote control handset

Replacement of batteries in TESCO1 gas valve

ONLY replace the batteries in the TESC01 gas valve when the appliance is **turned off, and only when the appliance is completely cold.**

The TESCO1 gas valve which operate the appliance are battery powered and require replacing periodically, after removing the plastic front cover from the control, the batteries are fitted and positioned as shown below, (positive and negative symbols are marked on the control that must correspond with the batteries), always replace the plastic cover once batteries have been fitted.
Use only 3 x high quality AA Alkaline batteries. **Do not** use re-chargeable batteries.

Replacement of batteries in handset

The handset also has batteries as shown below, (positive and negative symbols are marked on the handset that must correspond with the batteries), It is important that the batteries are replaced at least every 12 months.
Use only 2 x high quality AA Alkaline batteries. **Do not** use re-chargeable batteries.

Important warning:

NEVER dispose of batteries within a fire. Failure to observe this precaution may result in an explosion. Dispose batteries at your local hazardous material processing centre.

Ensure the appliance is **switched off, and only when the appliance is completely cold** before removing or changing the batteries.

During periods of non-regular use of the appliance such as during the summer months or any other times it is **IMPERATIVE** that the batteries are removed and stored safely from the remote-control handset and the gas burner TESC gas valve. Only remove the batteries from the TESC gas valve when the appliance is switched off, and only when the appliance is completely cold. Failure to remove the batteries during these times can cause the batteries to leak and damage other components, this will **INVALIDATE THE GUARANTEE**.

The meaning (s) of the red indicator on the TESC gas valve and handset

Red indicator	Meaning
Permanently Lit	Valve tried to light but failed and in LOCKOUT E00
Flashing very fast	Valve is busy (will not accept any command)
Flashing once a second	Valve detects an error
Permanently off	Valve in standby or in a stable operation
On momentarily after power up	Valve doing a self-test
Appears after pressing start	Indicates time to release pressing the start button

Below information only; The handset will already be paired with the TESC gas valve
Pairing the handset with the gas valve

Ensure the handset and the TESC gas valve have good batteries installed and the batteries are facing the correct direction (as shown by the symbols inside the battery compartments).

Ensure the battery contacts and compartments are clean and free from any contamination.(The green light on the handset will flash fast when the handset is held (not steady green),which shows it is ready to accept a pairing from the gas fire control.

Handset

1. Hold the handset as shown under the Using the handset section, wrapping your hand around the handset touching both sides. In a second or less the green unlock light will illuminate, allowing the buttons to work when pushed.
   (NOTE: If the green light is not a constant green or not illuminated at all the buttons will not be operable).
2. Press and hold the SET button on the handset keypad for 8 seconds before releasing, PROG will appear in the top right-hand side of the LCD screen.
3. Press and release the MODE button on the handset keypad twice in succession and SET UP will appear flashing in the top right-hand corner of the LCD screen.
4. Pressing and releasing the SET UO button on the handset keypad will allow you to scroll through the menu, keep scrolling until CA0 appears in the LCD screen.
5. Press and release the + button on the keypad and CA1 will appear on the LCD screen.
6. Press SET on the handset keypad and 7ESC R5 will appear in the LCD screen.
7. Place the handset within a few feet of the appliance (no need to hold it at the time).

TESC gas valve

(NOTE: Ensure the small slide switch on the lower right of the TESC gas valve is slid to the right

Position.

On the appliance, simultaneously press the hold the - and + buttons on the TESC gas valve (i.e. not the handset) unit the red light to the bottom right of the TESC control valve begins to flash rapidly,(this will take about 5-8 seconds), then immediately as the red light starts to flash release the - and + buttons and quickly press the power button that is above them. (Note: This button press must be done within 1 second of the red light coming on. If not done quickly enough, then the above must be repeated until done correctly).

When done correctly, you will hear an audible sound from the handset. Immediately pick upand grasp the handset as normal to unlock the keypad and then press and hold the “set “ button for around 3 to 5 seconds.

When you hear several beeps from the handset this indicates pairing has been confirmed.

You can confirm the pairing has been successful as now when holding the handset, the green light will be a steady green (not flashing when held).

You can now scroll through the settings of the handset adjusting by pressing + or - to adjust each setting and move on when set by pressing the set button, once all set keep pressing the set button until you leave the set-up menu.

More information can be found at www.newmanfireplaces.co.uk

IMPORTANT USER INFORMATION – AFTER INSTALLATION BY THE ENGINEER , READTHIS BEFORE ATTEMPTING TO OPERATE THE FIRE

NOTE: The handset is supplied paired to the Gas valve. Do not alter the pairing. Thehandset is designed to be not too easily operated by accident for safety reasons. If for any reason the pairing has been altered, then the handset will not work. The handset needs to be reset and paired again.

Using the handset

Hold the handset as shown, wrapping your hand around the handset touching both sides. In a second or less the green unlock light will illuminate, allowing the buttons to work when pushed.
(NOTE: If the green light is not a constantgreen or not illuminated at all the buttons will not be operable).

Press and hold in the power symbol button and release immediately when the word pilot comes onto the bottom left of the display screen as shown (about 1-2 seconds).The stove will light.
(NOTE: Releasing too soon or too long after the pilot illumination, results in the appliance not lighting, this is for safety reasons).

Adjustment of the flame between high and low is achieved by holding the handset that will illuminate the green light, press the + or – buttons until the desired setting is found.

To Stop the stove, hold the handset to unlock the buttons and then press the power button. The flame will stop almost immediately.

2.9.6 Customer education

- Hand these instructions to the user and advise the user to read fully.
- Advise the user until they are fully educated on the use of the stove and the controls. Explain regarding the thermal cut off feature.
- Advise if this system repeatedly shuts off specialist advice must be consulted.
- Advise that if the fire turns off for any reason do not re-light for 3 minutes.
- Advise the stove may give off a slight smell due to the newness and any odors will go after a few hours of use.
- Advise that the stove **must not** be used with the glass panel damaged or broken or missing.
- Advise that **no materials** are to be draped over or touch the stove, for example but not limited to, washing.
- Advise the minimum distance to combustibles.
- Advise that no extra simulated fuel pieces are to be added, or the layout changed, and only authorised spares used.
- All surfaces except the control valve are considered to be working surfaces and will get very hot during and after use, when using this stove in situations where children, aged or infirm persons are present a fireguard manufactured in accordance with the current edition of BS 8423 **must be used** and such persons must be **supervised at all times.** It is recommended that all other people use this type of fireguard.
- Advise that this appliance **must be** serviced at a minimum annually by a competent person in accordance with these instructions and the appliance checked for spillage in accordance with the method detailed in these instructions. Failure to do so is potentially dangerous and will invalidate the guarantee.
- Advise that the flue / chimney **must be** swept and checked at a minimum annually by a competent person. Failure to do so is potentially dangerous and will invalidate the guarantee.
- If ventilation is installed into the room for any reason, it **must be** checked regularly to ensure it is totally free from obstructions.
- Advise that the Carbon Monoxide Alarm within the room the appliance is installed **must be** maintained as per the manufacturer's instructions.
- Advise the appliance **must be** switched off, and only when the appliance is completely cold before removing or changing batteries.
- Advise during periods of non-regular use of the appliance such as during the summer months or any other times it is **IMPERATIVE** that the batteries are removed and stored

safely from the remote-control handset and the gas burner TESC gas valve. Only remove the batteries from the TESC gas valve when the appliance is switched off, and only when the appliance is completely cold. Failure to remove the batteries during these times can cause the batteries to leak and damage other components, this will **INVALIDATE** THE GUARANTEE.

- Advise **never** to dispose of batteries within a fire. Failure to observe this precaution may result in an explosion. Dispose batteries at your local hazardous material processing centre.

3.0 Servicing / Maintenance Instructions

The stove is fitted with a spillage monitoring system consisting of a thermal switch, this system is not adjustable and **must not** be bypassed or put out of action, if any parts are replaced only manufacturers authorised parts to be used.

Important

- Servicing **must be** carried out annually by a competent person such as a Gas Safe registered person in accordance with relevant current National and Local Regulations and any Rules in Force, to ensure the correct operation of the appliance.
- Before commencing any servicing / maintenance or replacement parts, turn off and isolate the gas supply to the appliance and **ensure** the appliance is cold.
- **Only use** spare parts direct from the appliance manufacturer.
- When servicing or replacement parts have been completed check for gas soundness.
- The data badge is located to the inside of the door to the lower section, please refer to the name and serial number shown when ordering spare parts.
- The chimney / flue **must be** swept clean and checked minimum annually by a suitably qualified person for safe use of this appliance. The appliance may be required to be removed to carry out this process.
- If soot has accumulated in the chimney / flue or appliance, checks will be required to identify the cause and rectify. Clean the chimney / flue and appliance accordingly.
- Ensure to protect all areas that may be affected whilst servicing / maintenance works are carried out, e.g., floor coverings, hearths etc., with suitable protection.

Access to the burner tray, Oxy-pilot light & TESC gas remote valve.

1. Turn off the gas supply to the appliance and ensure the appliance is cold.

2. Open the stove door by gently pulling to the underside of the left-hand side of the door this will release the magnetic catch holding the door closed and allow the door to be swung open on its hinges, if more unrestricted space is required the door can then be completely removed by removing the screws that hold the door hinges to either the door or the stove body.

3. Remove the glass window by removing the bolts from the steel glass retaining frame holding the window with seal in place and place in a safe position.

4. Remove all simulated ceramic logs, chippings, glowing embers, and vermiculite granules carefully and place in a safe position.

5. Replace in reverse order, ensuring all fixing positions and screws are used, ensure the glass

window with frame and seal is tightened evenly and securely to the appliance.

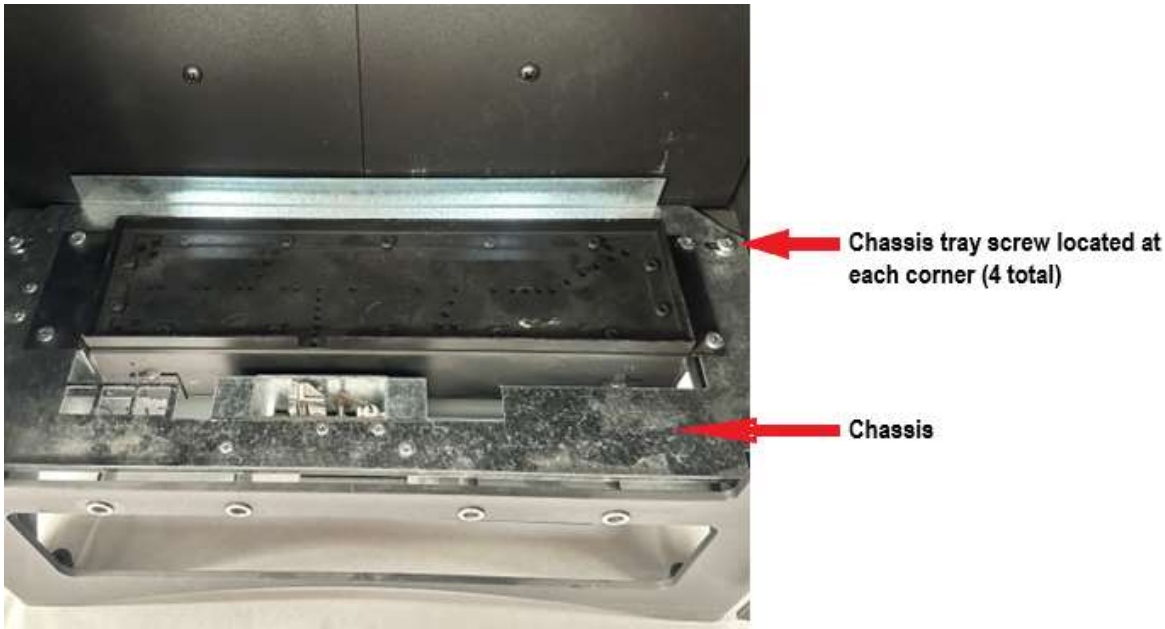
Glass window with seal

- Check the window glass is in sound condition.
- Clean the window glass with a suitable stove glass cleaner.
- Check the glass window seal and retaining frame is in sound condition.
- If any fault is found replacement must be made only using the manufacturers' spare parts.

Removing the gas burner, Oxy-pilot assembly & TESC remote gas valve

1. Turn off the gas supply to the appliance and ensure the appliance is cold.
2. The gas burner complete with the Oxy-pilot assembly and gas control can be removed by removing the 4 screws that retain the burner tray chassis in place, these screws are located to each end of the chassis tray, the wires connected to the thermal cut off switch will have to be disconnected at the rear of the appliance including the tie wrap holding the associated wiring in place to allow the chassis tray to be removed, it will be required to be lifted up on the right-hand side and carefully maneuvered out.

The chassis tray with gas burner, Oxy-pilot light assembly and gas control (located below the chassis tray) installed into the stove.



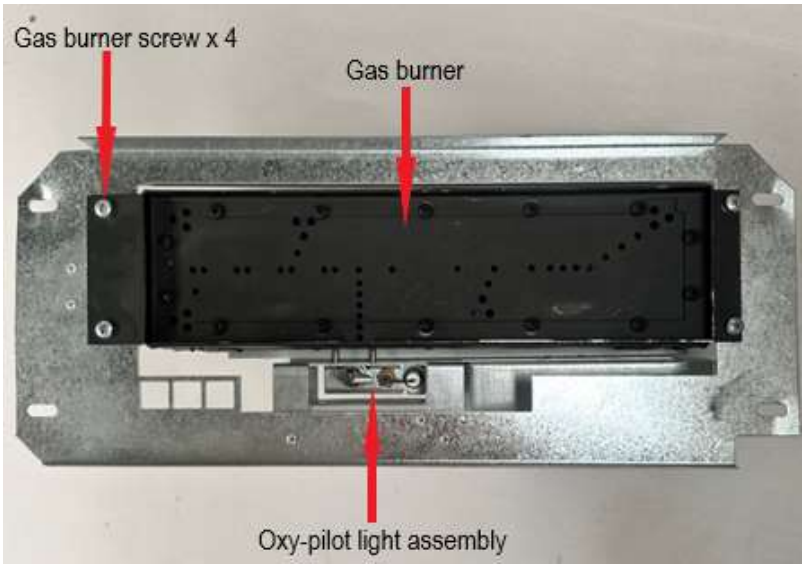
Removing and cleaning the gas burner

- The gas burner can be removed from the chassis tray by removing the 4 screws located to each corner of the gas burner tray and then lifting out.
- Remove any debris from the burner using a suitable vacuum.

- Visually check the gas burner for any signs of cracks or deterioration if found a replacement will be required direct from the manufacturer.

- Replace in reverse order.

Plan view showing chassis tray, gas burner, Oxy-pilot assembly, and gas control when removed from the stove.



Pilot light

For extended warranty the Oxy-Pilot light assembly must be replaced minimum annually.

Important note: If the Oxy-pilot assembly is being replaced it must be replaced with an identical unit from the same manufacturer and replaced as a complete unit.

Replacement of the Oxy-Pilot Assembly

1. Turn off the gas supply to the appliance and ensure the appliance is cold.

2. Remove the chassis tray which includes the Oxy-pilot assembly, gas burner and gas controls.

3. Carefully disconnect the ignition lead.

4. Disconnect the thermal couples from the rear of the TESC remote gas valve.

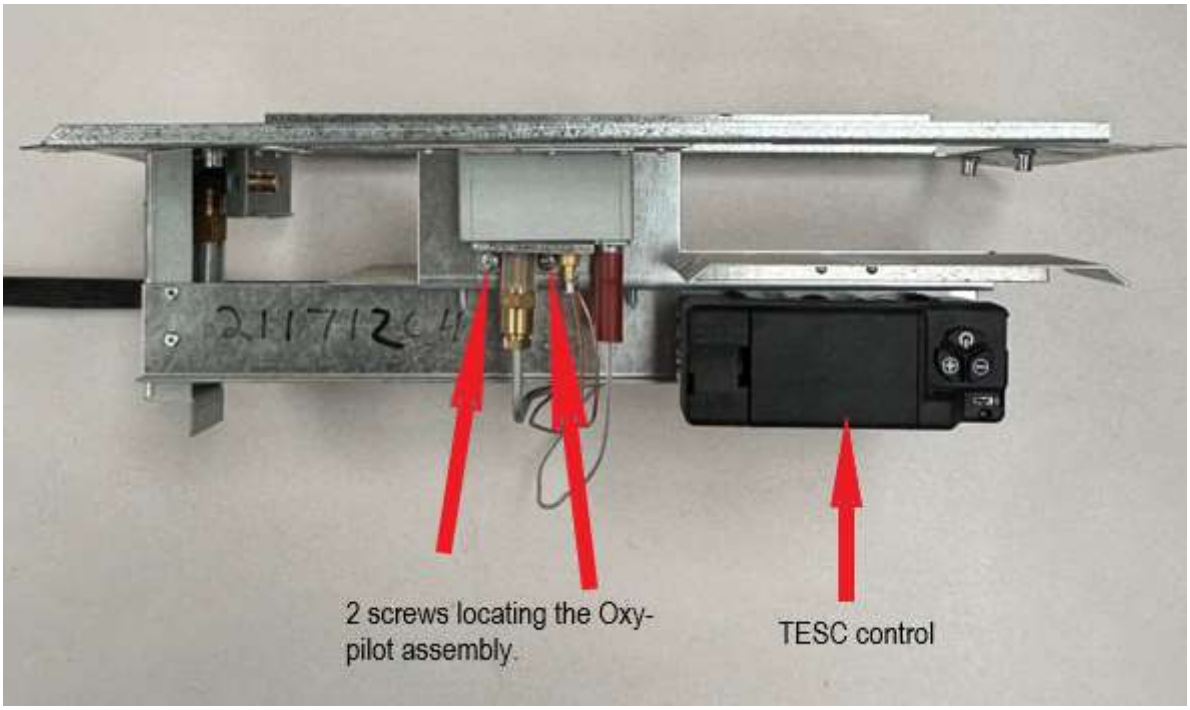
5. Disconnect the gas feed pipe from the Oxy-pilot using a suitably sized spanner.

6. Remove the 2 screws holding the pilot assembly to the chassis.

7. Carefully remove the Oxy-pilot light assembly.

8. Re-assemble in reverse order.

Front view of the chassis tray showing Oxy-pilot mounting screws and TESC remote gas valve position.



Cleaning of the Oxy-pilot light

If the extended warranty is not being exercised, it is important to clean the pilot light assembly.

- Follow the removal and refitting procedure of the Oxy-pilot light as shown to the Replacement of the Oxy-pilot assembly above.

- Check the pilot area for linting, the pilot head may be partially blocked with dust or other foreign matter. To clean use a nozzle connected to a vacuum cleaner around the top of the pilot assembly which usually will draw it out of the aeration hole.

Replacement of the TESC remote gas valve

The TESC remote gas valve is a non-serviceable part with the exception of the batteries that should be replaced as required and at every annual service.

- If the TESC remote gas valve requires to be changed due to a fault follow the instructions already detailed and remove the chassis containing the gas burner, Oxy-pilot assembly and TESC remote gas valve.

- Disconnect all three gas feed pipes from the rear of the TESC remote gas valve using suitable spanners.

- Disconnect carefully the Oxy-pilot ignition wire and thermocouples from the rear of the TESC remote control valve.

- Remove the 2 screws securing the TESC remote gas valve to the chassis located at the rear.

- Re-assemble in reverse order, ensure gas soundness to all connections.

- Follow instructions on pairing the remote with the TESC remote gas valve in the relevant section.

Cleaning or replacement of the gas injector

- Follow the gas burner, Oxy-pilot assembly & TESC remote gas valve removal sequence.

- Clean the injector, do not use a wire or a drill bit to clean the holes as the hole sizes are critical for the appliance.

- For replacement of the injector, remove the Oxy-pilot assembly, TESC remote gas valve, gas feed pipes and connections from the Chassis, the replacement injector is supplied complete with chassis.

- Re-assemble in reverse order, ensure gas soundness to all connections.

Thermostat TTB (Flue sensor)

- The thermostat TTB flue sensor is located to the rear of the stove above the flue diverter, it is held in position by 2 bolts and nuts.

- The thermostat TTB flue sensor is not a serviceable part and **must not** be bypassed or tampered with in any way.

- If the thermostat TTB flue sensor requires to be replaced, only use spare parts direct from the stove manufacturer.

- To remove the thermostat TTB flue sensor carefully remove the 2 wire spade connections from the TTB sensor. Remove the 2 nuts holding the TTB sensor to the rear of the stove and remove the TTB sensor.

- Re-fit in reverse order ensuring the TTB sensor is securely tightened to the rear of the stove in its original position and the connecting wires are securely pushed on to the TTB sensor.

Ceramic logs, bark chippings or black coke nuggets , glowing embers & mica vermiculite

Important: Refer to the Health and Safety section when handling ceramic products.

- Check all ceramic logs, bark chippings or black coke nuggets, glowing embers & vermiculite for soundness, replace if required using only manufacturers spare parts.

- Ensure that the vermiculite, logs, glowing embers, and bark chippings / black coke nuggets are re-positioned as shown in the Ceramic placement section.

Stove casing and painted surfaces

- Check the stove casing internally and externally for soundness, if any fault is found rectify with

manufacturers spare parts.
It is normal for some paint deterioration to the internal and external paint surfaces of the stove, to freshen up any affected areas use heat resistant stove paint from the manufacturer, ensure surfaces are clean, sound, and dry before re-painting, refer to the heat resistant stove paint manufacturer's instructions.

Chimney / Flue

- The flue **must be** checked and swept at a minimum annually by a suitably qualified chimney sweep for safe use of the appliance.

- It may be necessary to remove the stove to gain access to the flue system:- Reversing fitting instructions, always isolate the gas supply to the appliance and ensure the appliance is cold before removing the stove.

- Clean and inspect the flue to current National and Local Regulations and any Rules in Force.

- Examine the flue and if any faults are found this must be rectified before re-connecting the appliance to the gas supply.

- Replace the stove, referring to the fitting instructions.

Gas soundness, gas supply pressure and spillage test.

- Always carry out gas soundness, gas supply pressure and spillage tests as shown within these instructions when servicing or maintaining the appliance.

Carbon Monoxide Alarm

- A carbon monoxide alarm **must be** installed within the room containing the appliance, refer to document J. Check that the carbon monoxide alarm is operating correctly. Refer to the manufacturer's instructions.

3.1 Replacement Parts

PILOT ASSEMBLY	**ERTA-PG-82-330 A14**
THERMAL SWITCH	**TSC-30112010AFV**
THERMAL SWITCH WIRES	**TTB WIRES**
FUEL	**LOGS etc.**
INJECTOR	**STEREOMATIC 500**
HANDSET	**TESC DISPLAY HANDSET**
VALVE	**TESCO1 RF868-15**

NEWMAN FIREPLACES LTD

Owner's Manual

User Instructions

FLAMEVIEW ST1 GAS STOVE

THIS APPLIANCE IS CATEGORY I_{2H} FOR USE WITH NATURAL GAS AT A SUPPLY PRESSURE OF 20 MBAR.

These instructions **Must** be left with the user for future reference.

For use in Great Britain.

UK CA

Issue 7

4.0 IMPORTANT: Health & Safety notice

- Please read the instruction manual in its **entirety.**

- The stove is a very heavy appliance and care must be taken when lifting and moving, we recommend that suitable lifting equipment is used or alternatively use a competent 2 person lift following Health & Safety lifting guidelines.

- The installer has a responsibility to **ensure** that all requirements of the Health & Safety at Work Act are observed & implemented as stated on the date of installation.

- This stove **must not be used** for any other purpose than as a domestic room heater and decorative stove,

- In Great Britain it is the law that all gas appliances **must be** installed by a competent person, i.e. a Gas Safe registered installer, in accordance with the Current Gas Safety (Installation and Use) Regulations (as amended) all relevant parts of the Local and National Building Regulations, the Building Regulations (Scotland consolidation) issued by the Scottish Development Department, and all applicable requirements of the standard codes of practice, and all relevant recommendations of the British Standards. Failure to do so could lead to prosecution.

- The stove **must stand** on a non-combustible hearth and be at least 12mm thick and sufficient size to accommodate the stove and meet the requirements of current National Regulations and any Rules in Force.

- A suitable carbon monoxide alarm **must be** fitted upon the installation of a fixed combustion appliance as stated in Document J.

- **Ensure** the carbon monoxide alarm within the room the appliance is installed is, operating correctly and serviced / maintained as required, refer to the Carbon Monoxide alarm manufacturer instructions.

- This appliance **must be** serviced **at least** annually by a competent and suitably registered gas engineer.(Gas Safe) Great Britain.

- The flue / chimney **must be** swept clean and inspected **at least** once every year by a competent and registered chimney sweep, this would normally be undertaken at the same time as when the stove is serviced annually.

- The installer may have fitted a permanent air supply vent into the room in which the stove is installed to provide combustion and / or ventilation air. This air vent **must not** under any circumstances be shut off or sealed.

- If a permanent air supply vent is installed into the room for any reason, it **must be** checked regularly to ensure it is totally free from obstructions.

- This stove is a **high heat** producing appliance and **may cause severe burns & injury** if touched to any part.

- All surfaces except the control valve are considered to be working surfaces and will get very hot during and after use, when using this stove in situations where children, aged or infirm persons are present a fireguard manufactured in accordance with the current edition of BS 8423 **must be used** and such persons **must be supervised at all times.** It is recommended that all other people use this type of fireguard.

- This appliance will get very hot therefore it **must not** be used or installed in areas where flammable gases, flammable liquids, for example paint, and petrol are used or stored.

- **Never** use or store aerosol sprays or any other combustible products in the vicinity of the stove when it is in operation or whenever the stove is hot. The stove will remain hot for some time even after the fire is extinguished.

- Combustible materials **must be** removed from behind the appliance and be a minimum distance of 300mm away from any surface of the appliance.

- Combustible materials **must not** be used in the recess housing the appliance.

- **Do not** place photographs, TV's, paintings, porcelain, etc or other combustible items on the wall or near to the appliance. Exposure to hot temperatures can be dangerous and cause damage.

- **Clearances to furniture, soft furnishings and decoration:**

  Serious consideration should be given to the positioning of any furniture, soft furnishings or decoration that could be adversely affected by heat. Newman Fireplaces Ltd recommend that any furniture, soft furnishings, decoration, to be a **minimum of 1200 mm** away from any surface of the stove.

- **Do not** place curtains / blinds above the appliance.

- **Do not** drape clothes or any materials over the stove.

- This appliance **must not** be used without the glass window in place or a damaged glass window, seek expert advice.

- This stove is fitted with a spillage monitoring system consisting of a thermal switch, which shuts the appliance off in the event of a blocked flue or inadequate flue pull occurring. The system **shall not** be adjusted by the installer or any other person or **shall not** be put out of action. When the spillage monitoring system is required to be replaced, only original manufacturers parts **shall be used**. If the stove switches off for no apparent reason, the appliance should not be used until **expert advice** is obtained and the fault rectified.

- This appliance could contain some of the materials, as indicated below, that could be interpreted as being injurious to Health and Safety. It is the users / installers responsibility to ensure that the required personal protective clothing and shields are worn when handling these materials, see below for more information.

  Artificial Fuels, Mineral wool, Insulation material, Refractory / Ceramic fibres, Glass yarn, Glowing embers, Vermiculite Granules- may be harmful if inhaled, may be irritating

to skin, eyes, nose, and throat.

When handling avoid inhaling and contact with skin and eyes. Use disposable gloves, facemasks, and eye protection. After handling wash hands and other exposed parts thoroughly. If a vacuum is used for cleaning the logs or cleaning after installation or servicing, it is highly recommended that the vacuum is of a type fitted with a Hepa filter.

Disposal of refractory / ceramic materials. To keep dust to a minimum these materials should be securely wrapped in polythene and be clearly labelled 'RCF waste'. These materials are **not** classified as hazardous waste and should be disposed of at a site licensed for the disposal of industrial waste.

- During initial use due to the newness of the appliance, a slight odour may be evident. This is the binder used during the manufacture of the fibre components of the fire, although this odour is not harmful it is recommended to open all windows and exit the room to allow the odour to disperse from the room as soon as possible. If an odour is still present after the initial firing stage, then switch the appliance off and seek professional help before attempting to use the appliance again.

- The simulated fuel **must be** arranged **as shown** in these instructions by a suitably registered and competent gas appliance installer only.

- **Only** replace ceramic parts or any parts of the fuel bed with replacements supplied by the manufacturer for this stove, **do not change** the fuel bed layout from the instructions supplied, any parts that require to be replaced or re-arranged **must only be** made by a suitably registered and competent gas appliance installer.

- Should the stove extinguish for any reason **do not** relight for **a minimum** of 3 minutes.

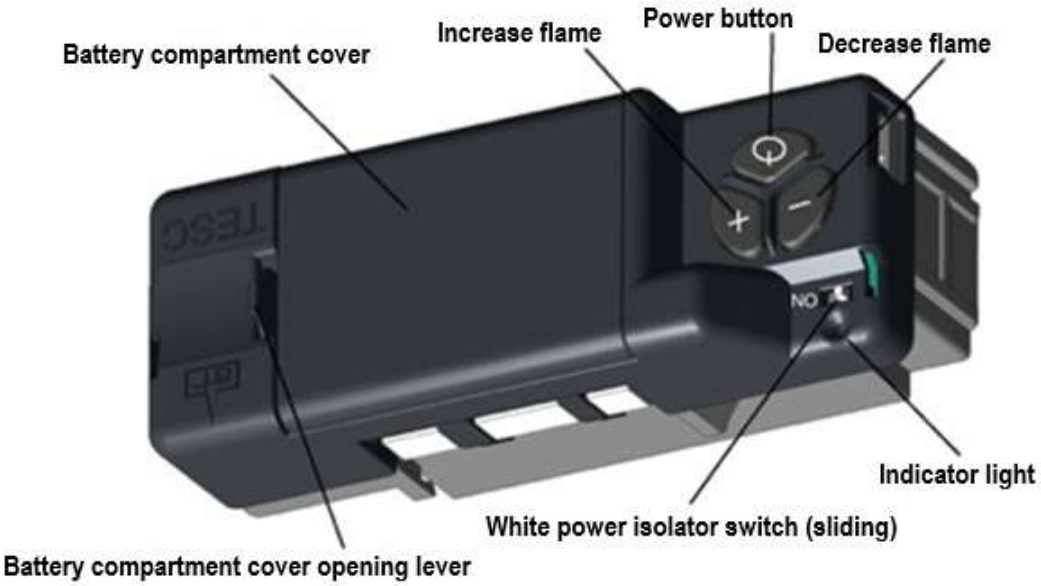
- If the stove fails and the appliance goes to reset the start button will have to be held for 10 seconds to clear the remote fault.

- **Ensure** the appliance is switched off, and only when the appliance is completely cold before removing or changing batteries or exterior cleaning is undertaken.

- **Never** dispose of batteries within a fire. Failure to observe this precaution may result in an explosion. Dispose batteries at your local hazardous material processing centre.

4.1 Operating Instructions

Below – the TESC gas valve, which is situated at the bottom, right of the appliance. To gain access to the control the stove door will require to be opened by gently pulling on the underside of the left-hand side which will release the magnetic catch and allow the door to be swung open. **ONLY** open the door when the appliance is off and only when the appliance is completely cold. Access to this control is only required by the installer at the time of installation when initially setting up the fire or when batteries are removed or replaced, the appliance is designed to be operated by the remote-controlled hand set only **NOT** by using the TESC gas valve.



Below – remote control hands

Replacement of batteries in TESCO1 gas valve

Ensure the appliance is switched off, and only when the appliance is completely cold before removing or changing batteries.

The TESCO1 gas valve which operate the appliance are battery powered and require replacing periodically, after removing the plastic front cover from the control, the batteries are fitted and positioned as shown below, (positive and negative symbols are marked on the control that must correspond with the batteries), always replace the plastic cover once batteries have been fitted.
Use only 3 high quality AA Alkaline batteries. **Do not** use re-chargeable batteries.

Replacement of batteries in handset

The handset also has batteries as shown below, (positive and negative symbols are marked on the handset that must correspond with the batteries), it is important that the batteries are replaced at least every 12 months.
Use only 2 high quality AA Alkaline batteries. **Do not** use re-chargeable batteries.

Important warning:

- **Ensure** the appliance is switched off, and only when the appliance is completely cold before removing or changing batteries.

- **Never** dispose of batteries within a fire. Failure to observe this precaution may result in an explosion. Dispose batteries at your local hazardous material processing centre.

During periods of non-regular use of the appliance such as during the summer months or any other times it is **IMPERATIVE** that the batteries are removed and stored safely from the remote-control handset and the gas burner TESC gas valve. Only remove the batteries from the TESC gas valve when the appliance is switched off, and only when the appliance is completely cold. Failure to remove the batteries during these times can cause the batteries to leak and damage other components, this will **INVALIDATE THE GUARANTEE**.

The meaning (s) of the red indicator on the TESC gas valve and handset

Red indicator	Meaning
Permanently Lit	Valve tried to light but failed and in LOCKOUT E00
Flashing very fast	Valve is busy (will not accept any command)
Flashing once a second	Valve detects an error
Permanently off	Valve in standby or in a stable operation
On momentarily after power up	Valve doing a self-test
Appears after pressing start	Indicates time to release pressing the start button

Below information only; the handset will already be paired.
Pairing the handset with the gas valve

Ensure the handset and the TESC gas valve have good quality batteries installed and the batteries are facing the correct direction (as shown by the symbols inside the battery compartments).

Ensure the battery contacts and compartments are clean and free from any contamination.(The green light on the handset will flash fast when the handset is held (not steady green),which shows it is ready to accept a pairing from the gas fire control.
(NOTE: Ensure the small slide switch on the lower right of the TESC gas valve is slid to the on position, refer to section 2.9.5 for position identification.

Place the handset within a few feet of the appliance (no need to hold it at the time).

On the appliance, simultaneously press the hold the - and + buttons on the TESC gas valve (i.e. not the handset) unit the red light to the bottom right of the TESC control valve begins to flash rapidly,(this will take about 5-8 seconds), then immediately as the red light starts to flash release the - and + buttons and quickly press the power button that is above them. (Note: This button press must be done within 1 second of the red light coming on. If not done quickly enough, then the above must be repeated until done correctly).

When done correctly, you will hear an audible sound from the handset. Immediately pick upand grasp the handset as normal to unlock the keypad and then press and hold the “set “ button for around 3 to 5 seconds.

When you hear several beeps from the handset this indicates pairing has been confirmed.

You can confirm the pairing has been successful as now when holding the handset, the green light

will be a steady green (not flashing when held).

You can now scroll through the settings of the handset adjusting by pressing + or - to adjust each setting and move on when set by pressing the set button, once all set keep pressing the set button until you leave the set-up menu.

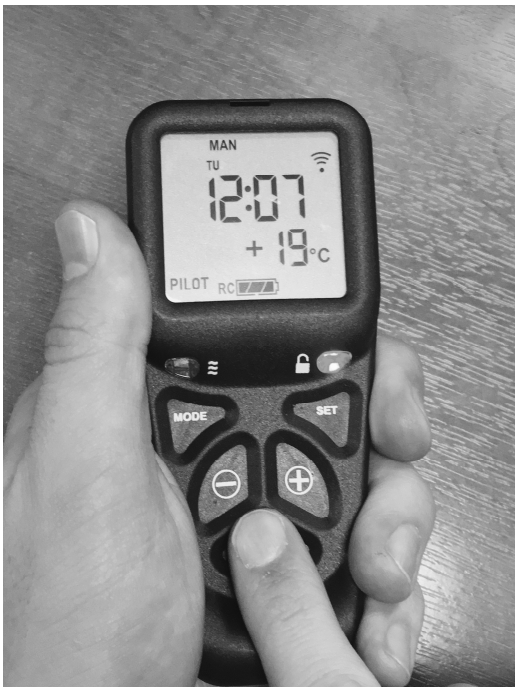
More information can be found at www.newmanfireplaces.co.uk

IMPORTANT USER INFORMATION – AFTER INSTALLATION BY THE ENGINEER , READ THIS BEFORE ATTEMPTING TO OPERATE THE FIRE

NOTE: The handset is supplied paired to the Gas valve. Do not alter the pairing. The handset is designed to be not too easily operated by accident for safety reasons. If for any reason the pairing has been altered, then the handset will not work. The handset needs to be reset and paired again

Using the handset

Hold the handset as shown, wrapping your hand around the handset touching both sides. In a second or less the green unlock light will illuminate, allowing the buttons to work when pushed.
(NOTE: If the green light is not a constantgreen or not illuminated at all the buttons will not be operable).



Press and hold in the power symbol button and release immediately when the word pilot comes onto the bottom left of the display screen as shown (about 1-2 seconds).The stove will light.
(NOTE: Releasing too soon or too long after the pilot illumination, results in the appliance not lighting, this is for safety reasons).

Adjustment of the flame between high and low is achieved by holding the hand-set that will illuminate the green light, press the + or – buttons until the desired setting is found.

To Stop the stove, hold the handset to unlock the buttons and then press the power button. The flame will stop almost immediately.

Other Modes than Manual mode

Depending upon the model of Fire your handset may be enabled to have some automatic features, namely, Thermostat mode, timed thermostat mode and snooze mode. Snooze mode can be selected to work with in conjunction with either manual or thermostatic modes.

You can switch between modes at any time with the handset unlocked by pressing and releasing mode button to toggle between modes.

Note: If at any time the power button is pressed during operation, this will stop the fire and exit any automatic mode and return the handset to manual (MAN) operation mode.

Snooze mode in manual operation

Snooze mode is a time period you can set which will turn off the fire after a certain time period has elapsed.

The snooze time period can be set before or during manual operation of the fire. Holdthe handset to unlock as described previously and press the mode button as many times as necessary until the word MAN and the Zzz symbols are flashing at the top of the display. Press and release the set button and this will put the control into Manual snooze mode.

The default time period for the snooze time period is 1:00 hour. Pressing the set button again will show you the snooze time period remaining. This can be adjusted by pressing the “+” or “-”buttons. The timer period that can be set is from 1 minute to 24:00 hours.

After adjusting the time, press set again to enter the time setting required (or if left for a few seconds this time is now stored and used).

Once this countdown timer has reached zero the fire will turn off (as if you had pressed it off manually, it does not recycle).

Snooze mode in Thermostatic mode

The same thing as above can be done before or during a thermostatic mode operation (see below).

Thermostatic mode for closed fires

The handset has within it a thermostat sensor, and this can be set so the fire will heat the room to match the temperature set in the handset.
There are 3 temperature types that can be set: -
- Day mode temperature that has a sun symbol on the display – the default temperature is 24°C.
- Night temperature that has a half-moon symbol on the display- the default temperature setting is 18 C.

-frost protection that has a snowflake symbol on the display – the default temperature setting is 5 C.

Hold the handset and press and release the mode button several times as necessary until the display has a thermometer symbol flashing at the top of the display. Press the set button to enter this mode.
Press the set button again to see the temperature setting that is set and the mode (the default is 24 C) and on the left of the display is a sun symbol showing it's the day temperature.

If a different set temperature is required, while the display is showing this set temperature, press the + and – buttons to alter the setting. When finished either press set or leave and after a few seconds the new setting will be accepted, and the display will return to the time-of-day screen.

On the anniversary of the net minute of the clock, the set temperature will be compared to the actual temperature displayed on the handset (i.e., the room ambient temperature around the handset). If the room temperature is higher than the set temperature the fire will not light until the room has cooled to below the set temperature. The fire would then automatically turn itself on when the room is cooler than the set temperature and down and off, if necessary, when it is hotter than the set temperature.
(Note: when the set temperature is reached while the fire is in operation, the fire reduces the burner power level each minute until the burner is off. The pilot (if fitted) will remain on for a further 30 minutes and if the set temperature is still too high, the pilot will then also extinguish. When the set temperature is higher than the actualtemperature, the fire will automatically light and go to the full burner rate to reheat the room back to the set temperature.

Note: If at any time the power button is operated during Thermostat mode, the control will cancel any thermostat operation and return the control to manual mode.

For ease of setting there are two other modes that can be selected as stated above. Night mode (moon symbol) and frost protection setting (a snowflake symbol). These can be selected (and adjusted if necessary) by pressing set then mode while in thermostat mode. Pressing mode button toggles through from day to frost modes. The purpose of these settings is to help your fire to automatically protect your home against becoming too cold if there is a sudden change in the weather. The control must be left in the appropriate mode for this to function.

Note: As stated in an earlier section, snooze function can also be operated in conjunction with thermostat mode. The thermostat symbol and the Zzz symbol will be on together when in this mode.

<u>Thermostat mode for open fires</u>

This is the same as for closed fires except that :-
The fire will not ignite automatically, and it will only regulate between minimum and maximum burner setting. The fire is lit manually by the remote control and **then you enter thermostat mode as described above and set the temperature. When no longer requiring thermostat mode. Turn off the burner as described above, and**

the handset returns to manual mode.

Timed thermostat mode (Closed fires Only)

This mode enables the various day, night, and frost thermostat modes to be set on a program timer. The control will work as a thermostat switching between the day, night, and frost temperature settings in line with the program set.

The set up of the timer will be shown by a demonstration.
To set up the timed thermostat to be at 24 C from 06:00 to 09:00 then drop to 18 C from 09:00 to 15:30 and then 24 C again from 15:30 until 23:30 and then to protect from frost a 5 C setting between 23:30 to 06:30 the next day from Monday to Friday this is what you would do: -

Hold the handset to unlock – press set and hold until a beep and release. Press the MODE button until the timer symbol is flashing on the top of the display – press set to enter the time mode – Mo is flashing so it is already set for Monday- press SET and release, now press the + and – buttons to make the time of day read 06:00 (note the steps are in 15 minutes steps) – press SET and release - press + and – to make the next symbol show a flashing sun symbol - press and release SET- as Mo is flashing press and release SET again enter the next time of 09:00 - press and release SET- change the flashing sunsymbol to a flashing moon symbol by pressing and releasing the + and – buttons then press and release SET again to store the moon setting (18 c)- continue this until you have entered each time and temperature change required for each day.
To put the fire into thermostat timer mode press and release the mod button until the thermostat and timer symbols are displayed on the display at the top. Press and release the “SET” button and the control will now run the timed program set up in the memory. To adjust any time setting in the memory re-enter the timer program setup mode (by pressing SET and then MODE as described above). Then press set to make the timeflash. Now holding the + button advances the display to the next setting and so on throughout the program. Amend the appropriate setting and when finished do a longpress of the SET button to exit the program mode.

To rest the whole timer program in the memory: -

Hold handset- press set- press mode until SETUP is flashing- press SET to enter SETUP-press SET about 8 times until CP0 is flashing on the display- use the + and – buttons to change the display to CP1 – press SET – press SET again, and the display will return to standby Manual mode and the timer setting have been completely removed from the timer memory.

4.2 Cleaning and maintenance (User instructions)

Cleaning

- The **only** part that can be cleaned by the user is the exterior of the appliance, excluding the rear of the appliance. Cleaning of all internal parts of the appliance **must only** to be carried out by a competent gas engineer i.e.; Gas Safe registered, this would normally be carried out at the same time as the annual service.

Cleaning and maintaining the exterior black painted surfaces. (Excluding the rear of the appliance)

- **Ensure** the appliance is switched off, and only when the appliance is completely cold before you clean any part of the stove.

- Protect all surrounding areas whilst stove cleaning.

The steel outer case, excluding the rear of the appliance can be cleaned by using a lint free dry cloth from time to time. **Do not** use a wet cloth or any type of furniture polish or cleaning agent.
All painted stoves will require some re-painting periodically. The stove can be re-painted by using high temperature stove paint recommended from your stove supplier after rubbing down with wire wool or similar abrasive to remove any loose debris from the surface.

It is normal for stove paint finishes to require touching up or re-painting periodically, failure to maintain the surface finish can lead to unnecessary corrosion. Taking care of the paint finish is normal maintenance and not covered by the warranty.

Maintenance user.

The user **must not** maintain this appliance, unless qualified as below.

Maintenance and servicing **must only** be carried out by a competent and registered gas installer, i.e., a Gas Safe registered installer.

5.0 TESC error codes. Please read these notes:

1) The TESC is NOT faulty just because it shows an Error code. The Error code can be read when a wireless TESC is paired with a Wireless enabled TESC control. The Error Code is there to enable servicing to identify what may be happening to the control to cause the fire not to operate correctly. This is most likely to be environmental or one of the other components that are connected to TESC control.

2) If an E code is displayed, allow the fire to cool and perform a normal start attempt to reset the control to standby. Then perform a normal start attempt again to see if the fire has cleared the error.

3) If the ERROR does not clear, it is essential before undertaking any actions on the servicing as detailed below, that the batteries being used are good and should be replaced with new ones to be sure that is not the problem. Faulty batteries can cause false error codes. New batteries can be faulty too. ALWAYS CHANGE ALL THE BATTERIES TOGETHER AND NOT JUST ONE OR TWO AND ALWAYS OF THE SAME MAKE AND TYPE (I.E MANUFACTURER AND MODEL TYPE).

4) The battery contact must be clean and there must not be any leakage from any batteries in

the battery compartment or on the battery contacts. Clean thoroughly if found as they must be spotlessly clean.

5) After replacing the batteries, to clear the error code perform a start cycle by pressing the start button as normal, and then press again in the same way to attempt a new start cycle.

6) If the gas fire is connected to a mains power supply, this must be isolated by a competent qualified electrician before attempting any works to the gas fire.

PLEASE NOTE, SERVICING MUST ONLY BE CARRIED OUT BY AN ENGINEER WHO HAS CURRENT QUALIFICATIONS AND ACCREDITATION (I.E. GAS SAFE)

TESC Error Codes

Code	Comment	Appearance	Possible Cause	Action	
E00	TESC locked due to failed ignition	Red Led is permanently on TESC unit (and E00 on handset, if used)	Temporary air disturbance around pilot burner	Reset control by pressing start button for 1 second and releasing. The press again the same way to attempt a normal start command. Repeat up to 10 times as necessary to see if this overcomes the issue as it may resolve itself eventually.	
			No gas on appliance inlet	Check to see if gas is present at gas appliance inlet. (Check gas supply is on, the gas line purged of air and the supply pipework is free of blockages or contamination)	Rectify and perform start cycle to clear the Error code. Try to light the fire as normal.
			Pilot contaminated with lint or other materials	Clean the pilot fee of any dirt, dust carbon granules or lint, especially around the brass body of the Bunsen burner and its gas and electrical connection and the area around the flame ports and the spark plug and electrode tip. Check the electrode gap is 3- 4 mm.	Rectify and perform start cycle to clear the Error code. Try to light the fir as normal. Replace pilot if necessary
			No Spark at Electrode (fire not igniting pilot burner)	Check ignition cable for damage and listen and watch for tracking out of spark to see if it is present but not making it to the electrode tip on the pilot burner.	If cable damaged , replace cable. Reset error by performing a normal start cycle and try to start again. Replace pilot if necessary.
			Pilot pipe or pilot injector could be blocked	Clear pipe and consider changing pilot	
			Inlet pipe contaminated	Clean out and clean TESC control of contamination.	
E01	Low current from thermocouple but flame: possibly CO alarm	Flashing Red LED on TESC Control	Pilot pipe blocked - no gas reaching pilot burner	Check pilot pipe, check flame appearance of pilot flames	
			Chimney blocked causing Co / Co2 to build up in the room	Check flue	
			Pilot thermocouple defective / old	Change pilot or thermocouple	
			Possible temporary air disturbance on pilot flame	Clear error and restart to check ignition ok	
E02	too high ambient temperature (>73 °C) around control		Negative flue pull or blocked flue or similar	Occurs if started ok but shuts down when fire heats up. Check for flue problems. Fire cuts out to prevent over heating	Allow fire to cool Reset and try again
			Blocked flue	Check and clear	Reset and try again
			Poor position of Ceramic parts	Check manual for correct placement	Reset and try again
E03	no, defective, or bad connected thermocouple		Bad connection	Check if connected correctly and terminals are sound	Reset and try again
			defective thermocouple	Replace Pilot	Reset and try again
			Thermocouple not connected to correct terminal or reversed polarity	Connect thermocouple correctly	Reset and try again
E04	false flame signal		occurs during stopping fire	Sensing flame on pilot when no flame should be there. Investigate.	Reset and try again

E05	false flame signal		Flame sensing on pilot before start of ignition sequence or after valve has shut off. Contamination of electrode to ground	Check if and clean around the area of the pilot for lint and other contamination and clean. Check where the thermocouple connects to the TESC control for the same contamination. Clean these areas.	Reset and try again
E06	too low voltage on power supply to start the burner		contaminated contacts	Weak or old or defective batteries or Clean contacts and Replace batteries	Reset and try again
E07	power supply breakdown during peak current consumption		check/change all the batteries or check power adaptor . : Note always change all batteries together never only 1 or 2	Replace batteries / power adaptor / check that contacts are clean	Reset and try again
E08	error caused by external pressure switch		Check the pressure switch	Replace if necessary	Reset and try again
	Jumpers on back of valve missing		Check to see if jumpers are in 10 way connector		Reset and try again
E09	error caused by external pressure switch		pressures switch action connection or jumpers missing or not connected properly	Check pressure switch connections , check to see if jumpers are in place on back of TESC.	Reset and try again
E10	error caused by external pressure switch		pressures witch action connection or jumpers missing or not connected properly	Check pressure switch connections , check to see if jumpers are in place on back of TESC.	Reset and try again
E13	wired thermostat is out of tolerance		Check wiring and thermostat	Check switch for damage , contamination across terminals or damaged wiring. Disconnect wired thermostat if fitted and try a start, if it works replace thermostat	Reset and try again
E14	button (-) sticks either on TESC or on wired control panel (if used)		Check for contamination around buttons	Clean as necessary. Replace switch panel as necessary if damaged or too contaminated. Disconnect wired control panel and try again - if it works replace wired control panel	Reset and try again
E15	button (+) is shorted to other buttons either on TESC or on wired control panel (if used)		Check for contamination/ damage -	Clean as necessary. Replace switch panel as necessary if damaged or too contaminated. Disconnect wired control panel and try again - if it works replace wired control panel	Reset and try again
E16	button (ON/OFF) is shorted to other buttons either on TESC or on wired control panel (if used)		Check for contamination / damage and replace wired switch panel if necessary	Clean as necessary. Replace switch panel as necessary if damaged or too contaminated. Disconnect wired control panel and try again - if it works replace wired control panel	Reset and try again
E17	button (-) is shorted to other buttons either on TESC or on wired control panel (if used)		Check for contamination / damage and replace wired switch panel if necessary	Clean as necessary. Replace switch panel as necessary if damaged or too contaminated. Disconnect wired control panel and try again - if it works replace wired control panel	Reset and try again
E18			Failure during setting control to standing pilot	Probably a 1 off event, Reset and try again	Reset and try again
E20	Software corrupted		Damaged from environment	Try to reset and restart	Reset and try again
E21	tried to config a TESC as Cluster slave while a wired thermostat is connected		Factory assembly warning on setup configuration not a maintenance error	Usually only a factory assembly error. Could happen if done in error in servicing.	Reset and try again
E22	tried to calibrate TESC with TESC easytest while a wired thermostat is connected		Not field error	Disconnect thermostat before attempting using Easytest unit.	Reset and try again
E23	warning: end of life is near, should be replaced soon		Not field error	Indicated that control has performed a high number of operations and so fire should be serviced, and control replacement should be considered as preventative maintenance.(should not really occur before 10 years from new).	Reset and try again

E24	Thermocouple doesn't reach final current - damaged or aged		Replace Pilot	Check and correct Thermocouple wiring. Replace thermocouple if necessary	Reset and try again
			Check pilot connections	Check and correct Thermocouple wiring. Replace thermocouple if necessary	Reset and try again
			Pilot pipe may be blocked completely	Clear pipe, replace pilot as necessary	Reset and try again
E26	defective or wrong wired USB-power supply		try again and if repeatedly fails replace	Replace with new USB power supply of the correct type.	Reset and try again
E48	short circuit on thermocouple, or thermocouple reversed polarity		Wrongly wired	Check and correct Thermocouple wiring. Replace thermocouple if necessary	Reset and try again
E49	false flame signal		Flame detected during operation of fire when it should not be detected - contamination of electrode circuit to ground	Check if and clean around the area of the pilot for lint and other contamination and clean. Check where the thermocouple connects to the TSC control for the same contamination. Clean these areas.	Reset and try again
E50	error		Flame detected during operation of fire when it should not be detected - contamination of electrode circuit to ground	Check if and clean around the area of the pilot for lint and other contamination and clean. Check where the thermocouple connects to the TSC control for the same contamination. Clean these areas.	Reset and try again
E51	error caused by external pressure switch			Check pressure switch connections , check to see if jumpers are in place on back of TESC.	Reset and try again
All Other E numbers	Error			Allow fire to cool for 30 minutes and then reset and try again. Reset for 10 times and try again to see if it clears the Error.	Reset and try again

6.0 **Guarantee** Terms and Conditions:

The Appliance must have a gas Notification to Local Authority Building control.
(For more details visit: www.GasSafeRegister.co.uk/notifications

The gas appliance registration form must be filled in completely at the time of installation.

One Year Parts & Labour Guarantee & Extended Four-year parts only guarantee.

Newman Fireplaces Ltd guarantees your gas appliance for one year against defective manufacturing and material, including parts and Labour subject to the following terms and conditions.

1. This guarantee applies to gas appliances only.
2. This guarantee is valid from the purchase date of the gas appliance.
3. Installation must be carried out by a qualified Gas Safe Registered engineer, in accordance with the supplied instructions and a gas safety certificate must be issued by the installer. The product must be operated in accordance with the supplied instructions.
4. The guarantee registration form can be found at www.newmanfireplaces.co.uk under the technical heading, this must be fully and correctly completed and returned to Newman Fireplaces Ltd within 14 days of the installation.
5. The fire must be serviced annually by a Gas Safe Registered engineer and a gas safety certificate must be issued by the engineer, irrespective of the amount of use of the appliance. The service must include replacement of the Oxy-pilot assembly.
6. If the appliance uses batteries to operate the appliance and the hand held remote, these batteries **MUST BE** removed if the appliance is not being used for a period of time, example during the summer months, failure to do so can cause batteries to leak that will cause damage to other components of the appliance and held remote control, failure to remove the batteries during periods of the appliance not being used that causes damage to any part of the appliance and remote control will invalidate the guarantee.
7. The appliance must be kept free from dust, dirt, and debris in accordance with the cleaning instructions.
8. This guarantee is non-transferable and is made to the original owner provided that the purchase was made through an approved Newman Fireplace Ltd stockist.
9. All other guarantees – expressed or implied – with respect to the product, its components and accessories or any obligations or liabilities on the part of Newman Fireplaces Ltd are hereby expressly excluded.
10. Newman Fireplaces Ltd neither assumes nor authorises any third party to assume on its behalf, any other liabilities with respect to the sale of this Newman Fireplaces Ltd appliance.
11. This guarantee does not apply to any other product not manufactured by Newman Fireplaces Ltd, such as prefabricated flue boxes and flues etc.
12. Newman Fireplaces Ltd will not be responsible for: -
    a) Down drafts or spillage caused by environmental conditions such as nearby trees, buildings, rooftops, hills, or mountains.
    b) Inadequate ventilation or negative air pressure caused by mechanical systems such as extraction fans, cooker extraction hoods, clothes dryers etc.

13. This guarantee is void if: -
    a) The appliance has been operated in atmospheres contaminated by chlorine, fluorine, or other damaging chemicals
    b) The appliance is subjected to prolonged periods of dampness or condensation.

c) Any damage to the combustion chamber, heat exchanger or other components due to water or weather damage, which is the result of, but not limited to, improper chimney / venting insulation.
d) Any alteration, wilful abuse, accident, or misuse of the product.

14. This guarantee does not apply to: -
    a) Parts that need to be replaced on a routine basis e.g., coals, logs, mica, ember material.
    b) Cosmetic blemishes to polished metal and painted surfaces.
    c) Surface crazing to fibre liners.
    d) Discolouring or marking of the glass.
    e) Discolouring or marking to the interior and exterior of the appliance.
    f) Batteries

15. Any work carried out under the guarantee will only be processed subject to the original purchaser presenting the following documentation to Newman Fireplaces Ltd: Proof of purchase, Gas Safety Certificate, Gas notification to local building control, Gas appliance guarantee registration card correctly filled out, and Chimney Sweeping Certificate.

Extended Four-Year Parts Only Guarantee.

Your gas appliance is covered for a further four years for certain parts only against defective manufacturing and materials, subject to the terms and conditions above plus additional terms and conditions listed below.

1. This guarantee is limited to the repair or replacement of parts found to be defective in material or workmanship after confirmation of the defect by a Newman Fireplace Ltd engineer or agent, provided that such parts have been subjected to normal conditions of use. Any part of the gas appliance that is deemed to be faulty must be returned to Newman Fireplaces Ltd at their office address for evaluation against the guarantee.

2. Any installation, labour, transportation or any other related costs or expenses arising from defective parts, repair or otherwise of same, are not covered by the guarantee, nor shall Newman Fireplaces Ltd assume responsibility for them. Furthermore, Newman Fireplaces Ltd will not be responsible for any incidental, indirect or consequential damages, except as provided by law.

3. The chimney must be swept at least annually for gas appliances (see appliance instructions) and a chimney sweeping certificate must be provided.

4. The extended four-year parts only guarantee **does not** apply to: -
    a) Parts that need to be replaced on a routine basis e.g., coals, logs, mica, ember material.
    b) Cosmetic blemishes to polished metal and painted surfaces.
    c) Surface crazing to fibre liners.
    d) Discolouring or marking of the glass.
    e) Discolouring or marking to the interior and exterior of the appliance.
    f) Batteries
    g) Remote control handsets, switch panels or receivers.
    h) Gas valves & all associated parts.
    i) Pilot light assemblies.
    j) Glass sealing rope

16. Any work processed under the guarantee is subject to the original purchaser presenting the following documentation to Newman Fireplaces Ltd: Proof of purchase, Gas Safety Certificate, Gas notification to local building control, Gas appliance guarantee registration card correctly filled out, Annual service record issued to the purchaser by a Gas Safe registered installer and annual Chimney Sweeping Certificate.

17. Any work carried out under the guarantee **MUST** be authorised by Newman Fireplaces Ltd before commencing.

This guarantee does not affect your statutory rights.