CRYSTAL FIRES
1 VALENTINES BUILDINGS
AINTREE
L9 5AY

TESC REMOTE CONTROL
ADDENDUM INSTRUCTIONS

NOT ALL FUNCTIONS SHOWN IN THESE INSTRUCTIONS WILL WORK WITH YOUR APPLIANCE IT ALL
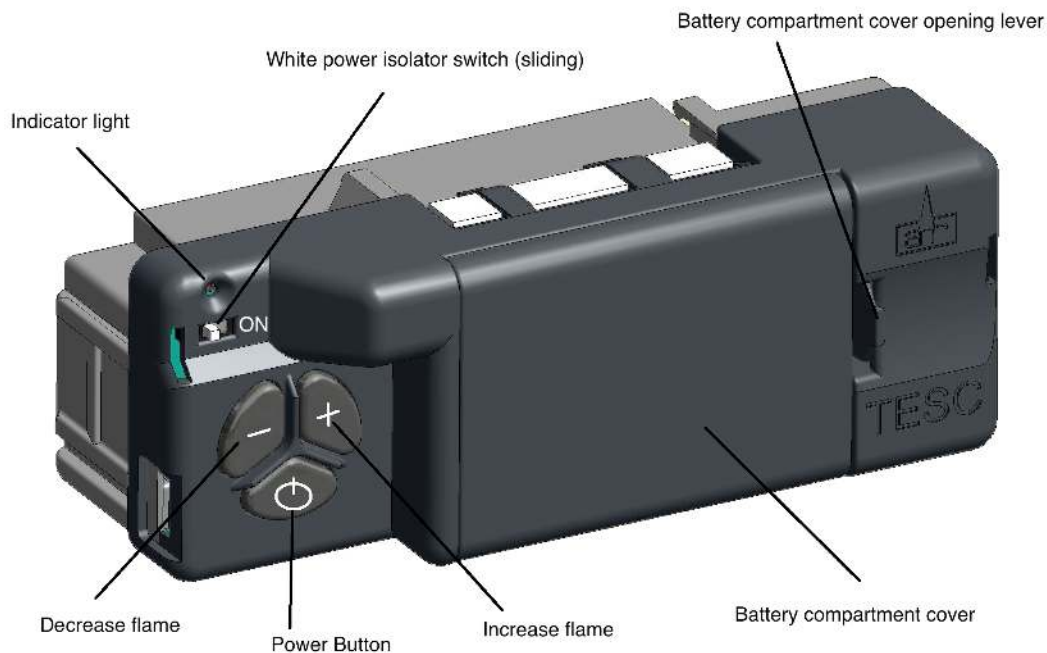DEPENDS ON THE VERSION SUPPLIED WITH YOUR PURCHASE

VERSION 1

Quickly start user instructions

Fire Control

This control is situated on your fire. The drawing shows the main features of the control.

The control required 3 AA size alkaline batteries to be inserted under the battery compartment cover. The orientation of these is shown moulded into the battery compartment.

After fitting the batteries and replacing the cover the fire can now operate. Slide the slide switch to the right to the On position (I symbol).

To start the fire, press the power button and hold for 1 second then release. The burner will within around 1 to **10** seconds, adjust to the maximum power setting,

The power of the burner can be adjusted up and down by pressing the – and + buttons.
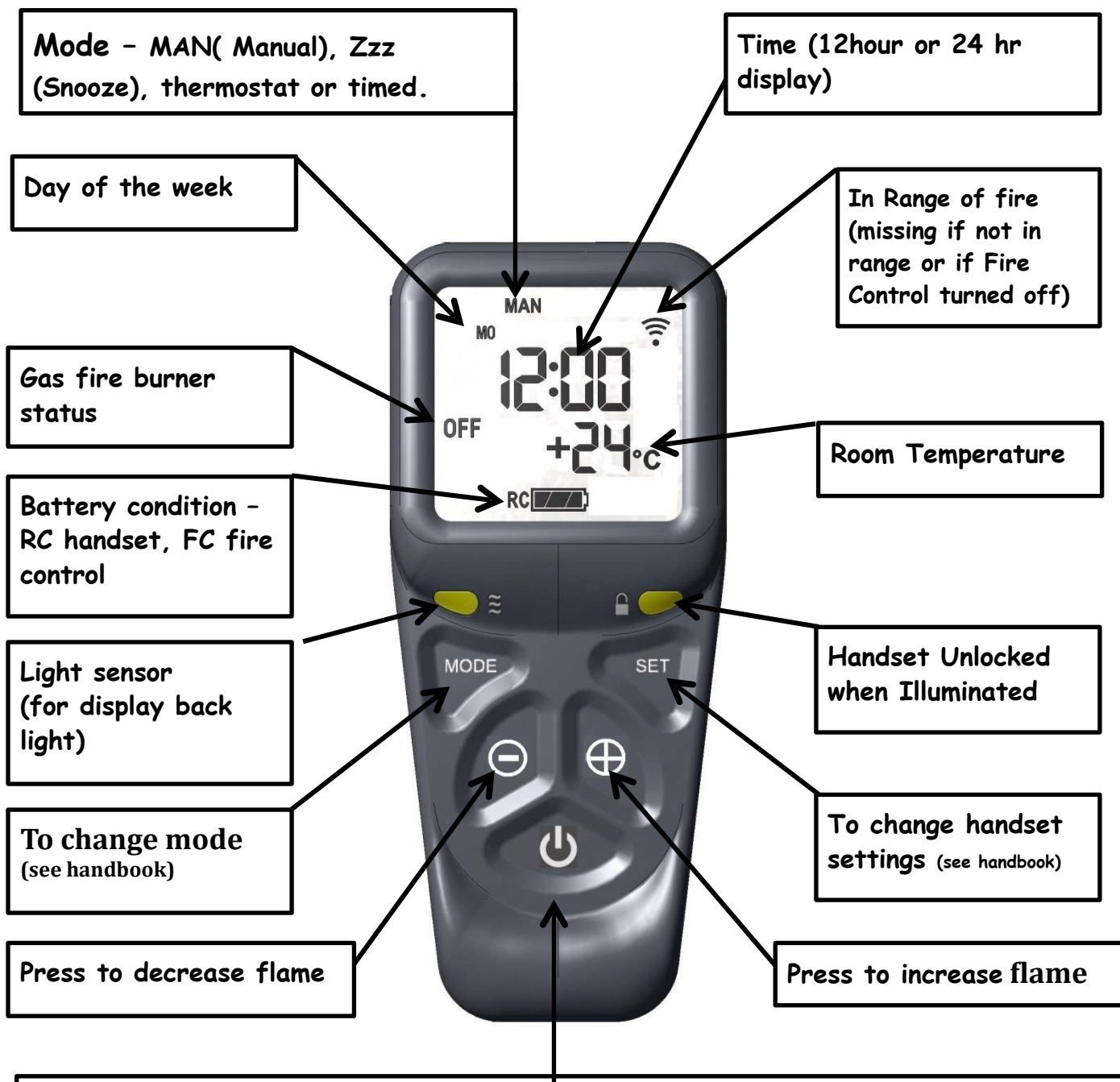
To stop the fire, simply press the power button again and the burner will stop.

If you are not intending to use the fire for a long period (i.e. over summer time months), the battery life can be extended even more by sliding the white isolator switch to the left(away from the On position, **symbol 0**).**Handset (if supplied)**
Ensure the power isolator switch on the front corner of Fire Control is in the on position I.
NOTE: For safety reasons a button must be pressed and released for the command to be recognised. Keeping hold of a button when pressing (unless other wise instructed) will not be recognised as a command press.

Grasp around the handset to unlock its functions. The green unlock light will illuminate to show when the handset is unlocked and ready to accept commands. (N.B. Keep a grip of handset to keep it unlocked, to continue to operate the command buttons.)

Mode – MAN(Manual), Zzz (Snooze), thermostat or timed.

Time (12hour or 24 hr display)

Day of the week

In Range of fire (missing if not in range or if Fire Control turned off)

Gas fire burner status

Battery condition – RC handset, FC fire control

Room Temperature

Light sensor (for display back light)

Handset Unlocked when Illuminated

To change mode (see handbook)

To change handset settings (see handbook)

Press to decrease flame

Press to increase flame

Power button – To start the fire, (after following the instructions of the previous page), with one hand grasp around the rear of both sides of the button area control. The green unlock light will illuminate. Keep the handset held to keep the control unlocked, to enable operation of the buttons. Then with the other hand touch and hold a finger on the power button for about 3 seconds. (A short beep and a flash of the unlock light will happen upon touching.) When the word "pilot" appears at the bottom left hand corner of the display, immediately release the power button. (A second flash of the unlock light and a longer beep will also sound at the time to release the power button). The Fire should be lit within a few seconds. (N.B. If power button is held for more than a few seconds after second flash/beep/word pilot appears, the command is ignored for safety reasons. Similarly if it is released too soon before the word pilot appears, the command is also ignored. With this system, the control has been designed to ensure that only intended ignition of the fire occurs.)To stop – with handset held to unlock it, press then release power button.

MAN

MO

12:00

OFF

+24°c

RC

MODE

SET

⊖   ⊕

Operating instruction (Detailed)

Upon successful insertion of the batteries in the Handset the display will be as shown. The handset will be supplied paired to the fire and all that is required is to set the time of day and select if a 24h hour clock or 12 hour clock display is required and if temperature display is on Celsius or Fahrenheit.

Setting the time

Holding the handset as described previously to unlock the keypad, press and hold "SET" for a few seconds and the display will be as shown

Setting the display for 12 or 24 Hour display

As always when pressing the remote control buttons keep the control held to keep the green light on and therefore handset safety feature, unlocked. The H indicates that it is time to set the timer to either 24 hour display or 12 Hour (AM or PM) display. Press the + or – button on the handset to toggle between the two settings. When you are ready to confirm the setting you want press the "SET" button to progress to setting the day of the week.

Setting the day of the week

Press and release the + and – buttons until the correct day of the week is shown on the display.
(Mo = Monday, Tu= Tuesday, We=Wednesday, Th=Thursday, Fr=Friday, Sa= Saturday and Su=Sunday).
Press "SET" to accept the day of the week and to progress to setting the Hour of the day.
Note: Whilst doing this setup pressing "SET" advances to the next display and pressing "MODE" will return you to the previous display setting.

Setting the Hour

Press and release the + or – button to change the hour to the correct hour and press set to store and to move to setting the minute.
Repeat this for setting the minutes.

Setting the temperature display to Celsius or Fahrenheit.

Press and release the + or - button to toggle between C and F .
When the display shows the desired symbol, press and release the "SET" button to store.

As the important settings above have now been done. Press and hold (not releasing straight away) the "SET" button for a few seconds and this will exit the setup menu.(alternatively you can press and release the set button several more times until the time of day is displayed on the handset.

The control is now ready for use with the Fire Control.

Note: the legend at the bottom shows the battery condition of both the batteries in the hand set and in the fire control alternately. RC = Remote Control handset and FC = Fire control. The control is designed to get the most out of the batteries but when eventually the display shows they are spent(when the battery legend is a empty area, we recommend you change the batteries in the handset before they are flat, to avoid having to re-program the time of day in again. N.B. Pairing is not lost, even if the batteries are removed or flat. The pairing is not lost when the batteries are flat but replacing them quickly before they have gone flat will avoid having to set the time of day, day of the week etc again)

Paging the handset
If you have misplaced the handset(and it is in range of the fire), you can page it by pressing the + button only on the fire control for around 5 seconds. The handset will flash and make a noise to help you to locate it. Once you pick up the TESC it knows you hold it and so the sound stops. The flashing and sound will last for 60 seconds each time the handset is paged as described. If not found in 60 seconds, page again and so on. NOTE: PRESS "+" Button ONLY , NOT "+" and "-' Together as you will accidentally break the handset pairing and have to reset handset to factory state and pair again (see other parts of the booklet if this happens).

Advanced settings Menu

In the event that you may want to change the other preset settings of the control features. Do not do a long press and hold above but a normal short press and release will take you into the advanced settings area.

Advanced settings options are:-
- Back light –
    o A = Automatic (default setting). The back light comes on in the dark but not in the light.
    o 0 = Light never comes on.
    o 1 = Light comes on when ever handset is unlocked.
- Display contrast – 8 levels from 0 to 7 (default level 4) .
- P = pairing with other devices other than the fire control. The hand set can pair with other modules to :-
    o L= Operate an electric light – which is the dimmable in 9 steps
    o F= operate an electric fan –which can have 9 speed levels
    o A= operate an auxiliary contact to operate another device.

Other Modes than Manual mode

Depending upon the model of Fire your handset maybe 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. Hold the 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 4:00 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 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).

Subsequent hand set pairing

Display handset
The handset should be supplied already paired with your fire, however if it becomes necessary to cancel the pairing and re pair it again do the following steps below. (NOTE: A new pairing can be accidentally started by accidentally pressing the plus and minus buttons together at the same time on the TESC control or wired swtich panel and held for 5 seconds.

Factory Reset of display handset (to enable handset to be paired again)
To reset a handset to factory conditions to enable it to be paired with a control. Hold the handset to unlock. Press and hold set until handset beeps and release the set button. PROG will be at the top left corner. Press and release the mode button until the word SETUP is flashing in the top right corner. Press and release SET to enter the SETUP menu. Press and release the set button around 9 times until you see CA0 on the display. Press then release the + (or – button) to change the display to CA1 and press and release the SET button again. The word TESC will appear in the window to show that this handset is now reset and ready to pair again.

HANDSET IS PAIRED ORIGINALLY IN THE FACTORY FOLLOW INSTRUCTIONS BELOW ONLY IF HANDSET UNPAIRED OR REPLACED

Pairing the Handset to the Fire Control

With 2 good quality AA alkaline batteries in the handset in the direction shown inside, if the handset can be paired with a control, it will have the display with the word TESC on the display as shown adjacent.

The handset must be within 1 metre (3 feet) of the fire when pairing

After fitting the batteries as above (and with the **power** isolator slide switch on the TESC Fire control on the fire put in the on position I), simultaneously press and hold the – and + buttons on the fire control (i.e. not the handset) until the handset makes a noise and the display shows the pattern as shown here.

Hold the handset in one hand so your fingers wrap around the back of the operating buttons area of the handset. A green unlock light will illuminate when the handset has detected your hand. The green light must be illuminated in this way for any of the command buttons to accept commands to operate the fire control.

While the display is as shown, and holding the handset as described, press the "SET" button with the other hand to finish off the pairing of the handset to the Fire Control and to enter the setup the time of day on the handset. As shown earlier in the instruction

N.B. If the display returns to the one shown above with the word "TESC" shown, then too much time has passed before pressing "SET" and so the handset has not paired yet. Simply repeat pairing again.

N.B. Only ever press "+" and "-" buttons together when pairing handsets. If done afterwards this will break the pairing made and a factory reset of the handset will need to be performed See **Factory Reset of display handset**

<u>Handset – without display</u>

<u>Buttons</u>

⏻   Power button – for On/Off of burner

+   Increase burner power

–   Decrease burner power

⚠   Activity Light – flashes red when starting and stopping burner only.

🔓   Illuminates when key pad is unlocked

SET   Button not used for operation

AUX Button used for operating an auxiliary device (sometimes not used depending upon you fire model)

<u>Pairing a new handset</u>

Remove the back panel and insert two AA Alkaline batteries in the direction shown by the symbols moulded into the compartment and replace the cover.

Hold the handset with one hand ensuring your hand is wrapped around the back and that your hand is in contact with both sides of the handset. The green light of the "Unlock" symbol should light and flash. The flashing indicates that it is not paired with anything at the moment and is ready to be paired.

Put the handset down within 1 metre of the Fire that you wish to pair the handset with. Press the + and – buttons on the Fire Control (i.e. not the +and – buttons on this handset) for around 6 seconds. The handset should make a noise and the green "Unlock" light should be flashing even without holding the handset.
The handset has received a pairing request and to accept this pick up the handset and hold as described above to keep the keypad unlocked and press and hold the "SET" button for 3 seconds. You will hear a beep and now the handset is paired to the fire control. The unlock green light will stay permanently lit when holding the handset

Starting the fire
Pickup and keep hold of the handset as described above to unlock the keypad.

Press and hold the power button ⏻ continuously until the red light illuminates next to the ⚠ symbol (this takes typically 3 seconds). As the red light illuminates release immediately the power button. The red light will then flash as the burner is being lit. While the burner is lighting the red light will flash. When the burner has lit the red light will stop completely. The burner will be at maximum burner rate when fist lit.
You may now put the handset down.

Note: If the power button differently to the above i.e. pressed for too long or too short a time or the grip on the handset is not firm or released too soon, the Ignition will be interrupted and not complete. The reason for the remote control having this strict start sequence is for safety reason so that the starting operation of the fire will be most unlikely to be done other than intentionally by an adult. If not done correctly , wait a few seconds and try again.

Burner regulation

When the burner is in operation, hold the handset as described above to unlock the keypad and then press and release the + and – buttons to regulate the flame of the burner. Pressing and releasing the button will move the burner one step at a time. Pressing the button continuously will move the burner rate to the maximum full when pressing + or minimum burner power if pressing -.

Stopping the burner

Pick up and hold the handset as described above to unlock the keypad. Press and then release the power button once. The handset will beep and the burner will stop.

Auxiliary button

If your fire is fitted with an Auxiliary feature (lights , fans etc) this button will operate those devices when pressed. Hold to unlock as usual, then Press once and release to start that auxiliary device ,press again and release to stop.
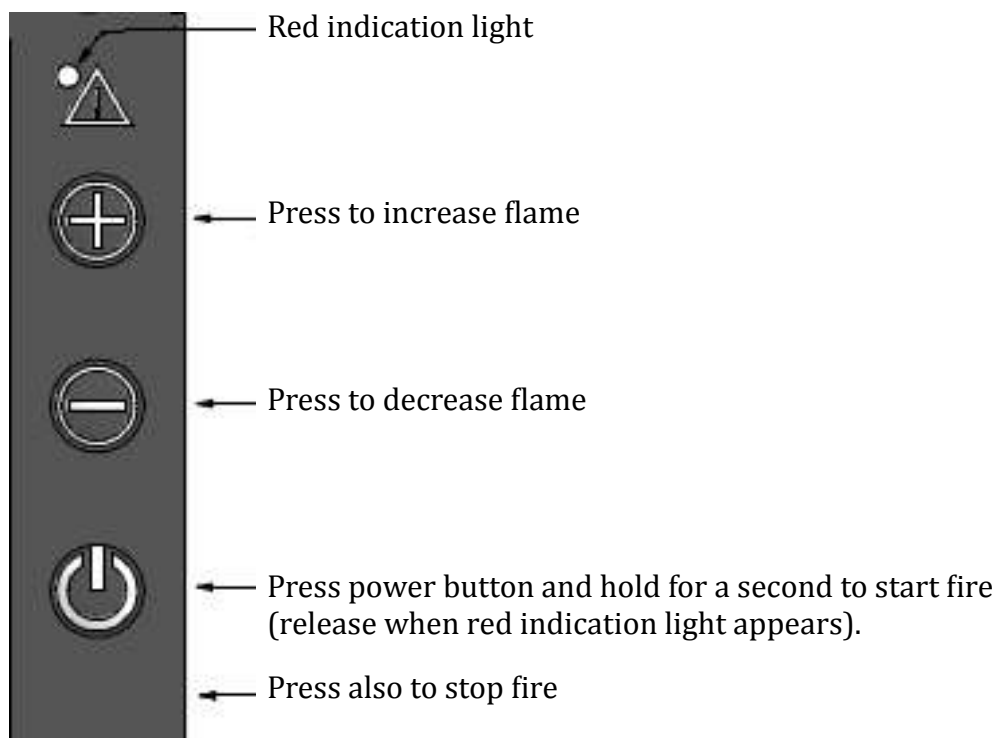
Installer note:

To reset the handset to factory conditions (to enable the handset to be paired with another fire for example), hold handset to unlock, press and hold for at least 10 second the SET button. The green and red lights will start to flash. They will flash for 1 minute and during this minute if you want to reset the handset, open the battery box and remove a battery for a few seconds. Replace the battery and cover, the handset will now be reset and ready to pair as a new handset to another (or the same) device as shown above in pairing section.

Paging the handset

If you have misplaced the handset you can page it by pressing the + button only on the fire control for around 5 seconds. The handset will flash and make a noise to help you to locate it. Once you pick up the TESC it knows you hold it and so the sound stops. The flashing and sound will last for 60 seconds each time the handset is paged as described. If not found in 60 seconds, page again and so on. NOTE: PRESS "+" Button ONLY , NOT "+" and "-' Together as you will accidentally break the handset pairing and have to reset handset to factory state and pair again (see other parts of the booklet if this happens).

SWITCH PANELI OR BUTTON PANEL (if fitted)

Red indication light

Press to increase flame

Press to decrease flame

Press power button and hold for a second to start fire (release when red indication light appears).

Press also to stop fire

Starting the fire
Press and hold the

power button ⏻

continuously until the red light illuminates next to the ⚠ symbol (this takes typically 1 second). As the red light illuminates release immediately the power button. The red light will then flash as the burner is being lit. While the burner is lighting the red light will flash. When the burner has lit the red light will stop completely. The burner will be at maximum burner rate when first lit.

Note: If the power button is pressed for too long or too short a time this is taken as an accidental press and the fire will not ignite for extra safety reasons. It is to try an ensure that the starting operation of the fire will be most unlikely to be done other than intentionally by an adult. If not done correctly , wait a few seconds and try again.
If you wish to power down the fire so it will not start even if any of the power symbol buttons are pressed, slide the "power Isolating switch to the "0" position (perhaps a good idea to do in the event of leaving the fire not operated for long periods like the summer months or when going on long holidays).

Burner regulation

When the burner is in operation, press and release the + and – buttons to regulate the flame of the burner. Pressing and releasing the button will move the burner one step at a time. Pressing the button continuously will move the burner rate to the maximum full when pressing + or minimum burner power if pressing -.

Stopping the burner

Press and then release the power button once. The burner will stop and the red indicator light will illuminate momentarily to show the fire is turning off.

APPLIANCE	HIGH RATE	LOW RATE
SUPER HEATRAVE	6.5Kw	4.1kW
SLIMLINE	6.5Kw	4.1kW
DIAMOND	6.5Kw	4.1kW
JEWEL	6.9Kw	4.1kW
JEWEL HIW	6.9Kw	4.1kW
CF2 MONTANNA	5.2Kw	2.6Kw
CF1	5.5Kw	2.9Kw
GEM	6.9Kw	4.1kW
SAPHIRE	6.2Kw	3.8 kW

INJECTOR : 500

SPARE PARTS : TESC REMOTE HANDSET   TESC 001
            : ODS PILOT   TESC 002