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IMPORTANT NOTE

THIS APPLIANCE MUST BE INSTALLED & SERVICED BY A PROPERLY QUALIFIED (IN ACCORDANCE WITH LOCAL & NATIONAL CODES) GAS INSTALLATION ENGINEER.
THESE INSTRUCTIONS ARE FOR THE FIRE'S CONTROL SYSTEM ONLY, AND MUST BE USED IN CONJUNCTION WITH THE INSTALLATION INSTRUCTIONS FOR THE GAS FIRE.

Fitting & Operating Instructions For The Thematronic Radio Frequency Electronic Control System (Mertik Maxitrol)

Important Notes

Temperature Limits of Electronic Components

It is absolutely necessary to ensure that the electronic control system components temperature do not rise above 60°C.

For Hole In The Wall installations (sunken burners) see the attached sketch showing our suggested installation arrangement. If you keep to air inlet and outlet free areas of 100cm² each and ensure that the void under the fire is properly backfilled (to avoid flue pull under the burner) then, assuming a normal room temperature, the temperature of the electronic components should not rise too much above 30°C. This allows a big margin of safety.

It is also very important to ensure that the fire is not subjected to intermittent flue downdraught, which can blow flames/gas down to the underside of the burner and cause overheating of the electronics.

Batteries

For Hole In The Wall installations (sunken burners) the fire is supplied with batteries in a separate box that has a long lead which plugs into a socket on the standard electronics/battery box. This allows the batteries to be placed in an accessible place such as behind the air inlet grille, as shown on the installation sketch.

If using the extended battery box ensure that any batteries are removed from the electronics box battery compartment. This battery box is available as an optional extra for other installations, if required. Also available as an optional extra is a mains adaptor to be used instead of batteries, which again has a long lead which plugs into the socket on the standard electronics/battery box. **IMPORTANT – BATTERIES MUST BE REMOVED BEFORE USING THE ADAPTOR.**

Dampness

All electronic equipment is sensitive to dampness and high humidity. The Thematronic equipment must be installed in a completely dry place that does not access directly to outside air. If the fireplace has recently been rendered it must be allowed to completely dry out before the electronic equipment is installed. It is possible that dampness has occurred during storage of the appliance, so as a precaution we suggest placing the electronic box in a warm dry place for a while before installation.

Gas Supply

In common with all other gas appliances, dirt and debris in the gas system can block the valve and gas injectors on this appliance, and faults caused by this are not covered by the guarantee. Pipework installation must comply with approved standards and practices. If in doubt as to the cleanliness of site pipework, install a sediment trap, or filter as close to the appliance as possible.

Resetting the Mertik Maxitrol Logic Circuits (Radio Frequency Control)

BASIC RESET

It sometimes happens that (such as when the handset buttons are pressed out of sequence) the fire stops working because the logic circuits get confused and need to be reset. To do this, simply remove the 4 x AA batteries from the Receiver Box (do not use metal tools to do this), wait for 1 minute and then refit the batteries. Wait for another minute and then point the handset at the fire and press the red/off button. Wait for another minute and then start the fire as normal. If the fire does not start repeat the resetting procedure. If the fire still does not work a Full Reset can be tried (see below).

Note: If an extended battery box has been supplied, and the lead has been unclipped from the battery box, do not let the lead terminals touch any metal parts, because voltage is still stored in the capacitors, which can cause a short circuit.

FULL RESET – TO BE USED IF A REPLACEMENT HANDSET IS OBTAINED

NOTE. On some burners such as the Fireboxx and "sunken" burners it is not possible for the user to access the Receiver Box to carry out a Full Reset. If the user cannot access the reset button on the Receiver Box a Qualified Installation Engineer will need to remove the burner to do so and this will involve disconnecting the burner from the gas supply.

If you obtain a new handset the control system will need to learn the handset's unique code via a Full Reset. Also, if the fire is not working and the Basic Reset (described above) has not worked a Full Reset can be carried out:

- a. Replace the batteries in the Receiver and Handset.
- b. Locate the Reset Hole on the side of the Receiver and using a pen press and hold in the Reset button until you hear two beeps. The first beep is short and the second beep is long. After the second beep release the Reset Button.
- c. Now on the Handset, within the next 20 seconds press the Small Flame Button until you hear two additional short beeps confirming the code is set in the Receiver.
- d. If you hear one long beep the Code has not been set so repeat the procedure.
- e. If the fire still does not work, the problem lies elsewhere.

Note: If an extended battery box has been supplied, and the lead has been unclipped from the battery box, do not let the lead terminals touch any metal parts, because voltage is still stored in the capacitors, which can cause a short circuit.

General

The Thermatronic Control System is a battery operated gas fire control system that uses a microprocessor to provide the working sequences needed by the fire, and when used with an oxypilot has all the safety features required by law and CE approval.

Commands are accepted by the microprocessor when buttons are pressed. An audible beep means that the command is received, and the push button should immediately be released.

Using The System

Control can only be achieved if the transmitter is pointed at the fire. The red light will flash each time you press a button on the handset.

A - Ignition

Simultaneously press and hold the red button and the right upper button (linked by line) until a short acoustic signal confirms that the sequence has begun, then release the buttons. Continuous audible signals confirm that ignition is in progress. When pilot ignition is confirmed the motor will open the valve to maximum flame height – this takes about 30 seconds.

B - Flame Height Adjustment

Press the small flame button until the flame height is at the desired position. If you try to go beyond the preset low flame minimum height the main burner will turn off leaving the pilot burner alight (this is the standby position). You will learn from experience the preset low flame minimum height.

To relight the fire from the standby position, or to increase the flame height from low flame, press and hold the large flame button until the desired flame height is achieved. Please note that you can have the flame height anywhere between maximum and preset low. For fine adjustment simply tap the up or down arrows.

C - To Switch Off

Press the red/off button on the handset.

D - General

Battery replacement is recommended at the beginning of each heating season, or when an acoustic error message sounds during ignition.

Error Message – Long signals (0.8 second tone – 0.2 second break) during ignition – probable cause - batteries in receiver are nearly discharged.

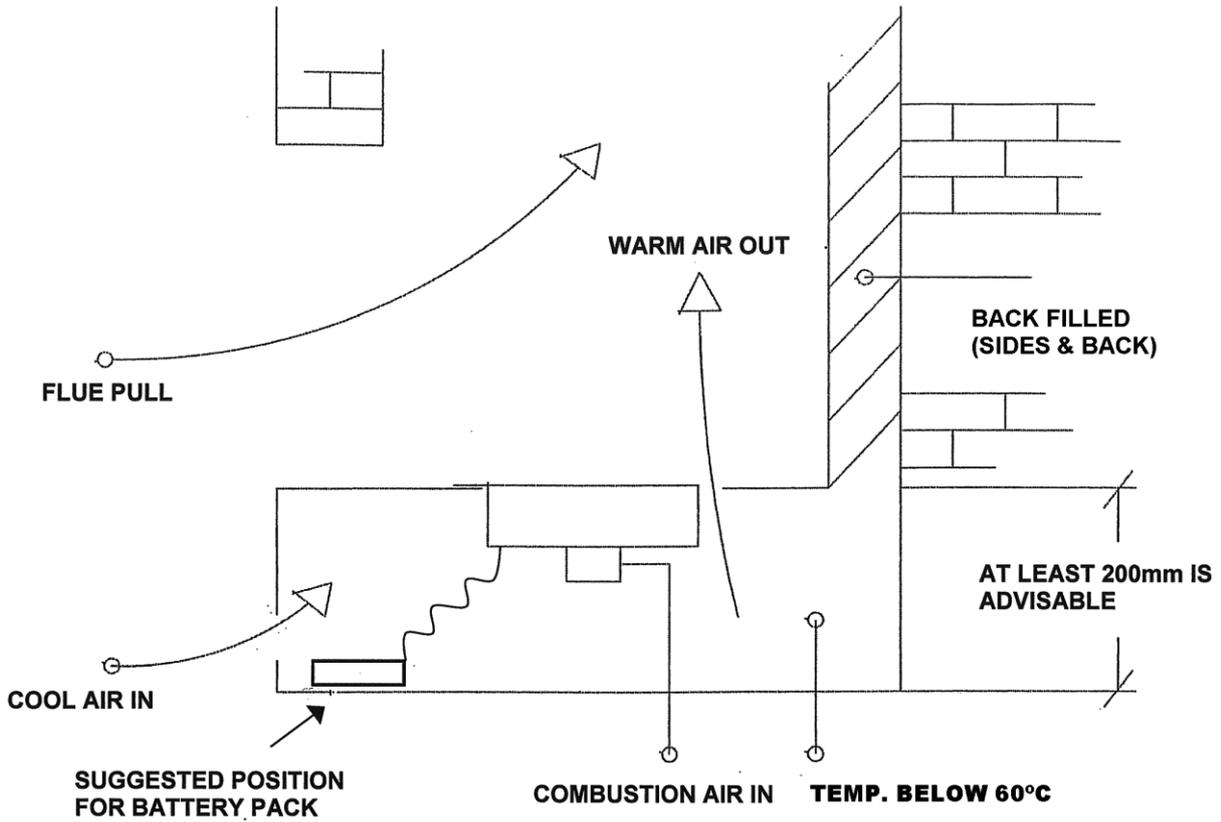
Error Message – 5 second continuous tone – probable cause – cable disconnected or on/off switch on valve is in off position.

Batteries Receiver Box - 4 x AA good quality alkaline

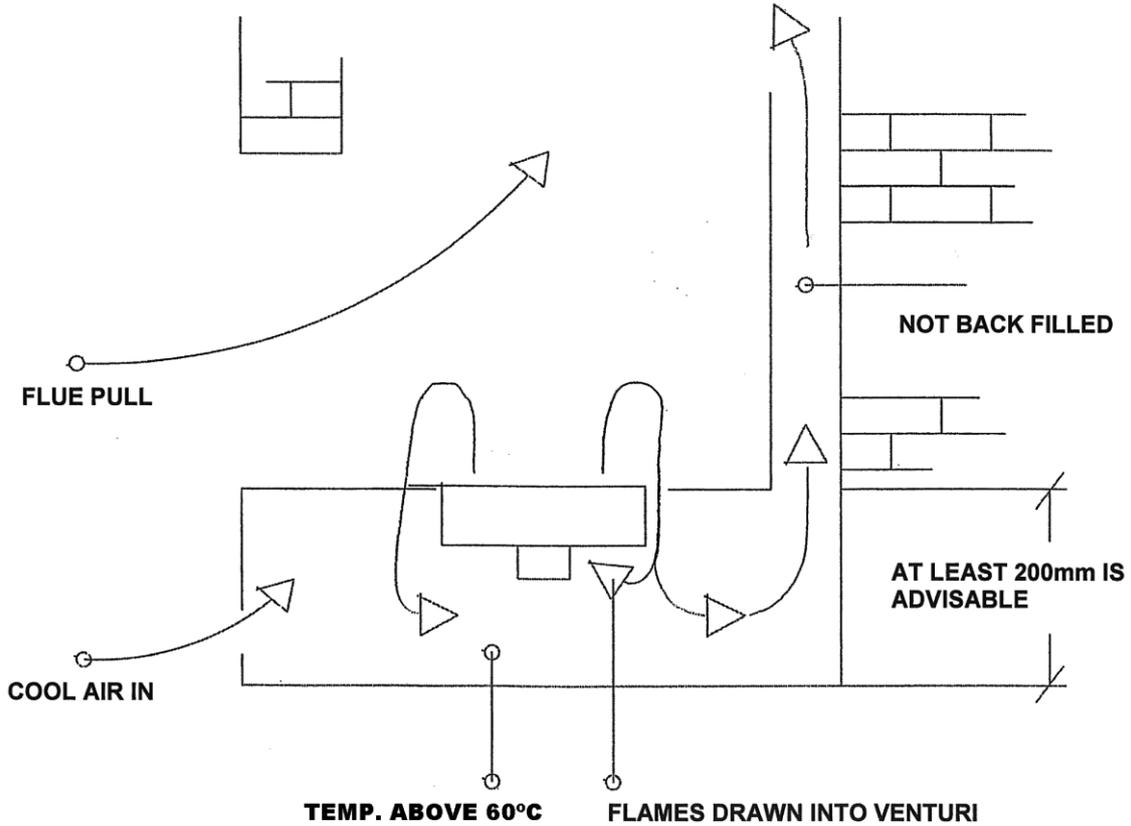
 Handset – 1 x PP3 good quality alkaline



(A) CORRECT INSTALLATION METHOD



(B) INCORRECT INSTALLATION METHOD



THE SIGNS OF AN INCORRECTLY INSTALLED GAS FIRE ARE WHITE BURNT PAINT ON EITHER THE SIDES, BACK OR PILOT CUT OUT

MERTIK MAXITROL

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GV60 and Mertik Maxitrol Cables with Layout Options

