



USER MANUAL

Paola 13 / Chiara 15 Insert Air Stoves



*Instructions for the correct use and maintenance of
your Kalor wood pellet air (dry) stove*

Distribution and warranty in Ireland by:

woodpelletstoves.ie

A note from the distributor:

Congratulations and thank you for choosing a Kalor wood pellet stove. Kalor is a leading wood pellet stove brand worldwide, offering leading combustion efficiencies and superior reliability. You have chosen well!

Kalor stoves are distributed in Ireland by Wood Pellet Stoves.ie, through a network of Authorised Dealers. We are a company, totally dedicated to wood pellet stoves and boilers and our priorities are quality, not just of product but also of the installation and maintenance.

We also support a nationwide network of Authorised Technicians who are specially trained on Kalor wood pellet stoves and boilers. This ensures that your stove can be correctly installed, commissioned, maintained and repaired by competent personnel and that you receive the best possible service, all the way from purchasing your stove to the end of its life-cycle.

Please refer to the notes on the inner back cover of this manual for further details regarding the installation, commissioning and warranty for your stove/boiler.

We wish you all the best with your new Kalor stove/boiler and hope it serves you well for many, many years.

Yours sincerely,



Fergus Mc Manamon

General Manager

Wood Pellet Stoves.ie



woodpelletstoves.ie

We thank you for having chosen one of our products, the fruit of technological experience and of continual research for a superior quality product in terms of safety, dependability, and service. In this manual you will find all the information and useful suggestions to use your product with the maximum safety and efficiency.



Please remember that the first lighting of the insert must be handled by our Authorized Assistance Centre (Law 37/2008) who will check the installation and complete the guarantee.

- Incorrect installation, incorrectly performed maintenance, improper use of the product **release the manufacturer from every eventual damage** derived from the use of the insert.
- The unit **cannot be used as an incinerator. Do not use fuels other than pellets.**
- This manual has been realized by the manufacturer and constitutes **an integral part of the product** and must remain with it during its entire lifetime. If the product is sold or transferred, **be sure that the booklet is present since the information contained in it are addressed to the buyer**, and to all those persons of various titles who complete the installation, use and maintenance.
- **Carefully read the instructions and the technical information** contained in this manual, before proceeding with the installation, use, and any operation on the product.
- The observance of the indications contained in the present manual **guarantees the safety of people and the product, the economy of use and a longer functioning lifetime.**
- Although the carefully studied design and the risk analysis done by our company has permitted the realization of a safe product, in any case, before effecting any operation on the insert, it is recommended to keep said manual available and **pay scrupulous attention to the instructions written therein.**
- Check the precise flatness of the pavement where the product will be installed
- **The wall where the product will be placed must not be constructed in wood**, or in any case, made of an inflammable material, and in addition it is necessary to maintain a safety distance.
- While the insert is in operation, several **parts of the insert (door, handle, sides) can reach high temperatures.** Therefore pay attention and use the proper precautions, above all in the presence of children, elderly or disabled persons, and animals.
- Assembly must be performed by authorized persons (Authorized Assistance Centre).
- Diagrams and drawings are furnished for the purpose of illustration; the manufacturer, with the intent of pursuing a policy of constant development and renewal of the product **can, without any notice, make any modifications that are believed opportune.**
- When the insert is working at its maximum speed, it is strongly suggested to **wear gloves while handling** with the door for pellets loading and the door handle.
- **Installation is not recommended in a bedroom.**



Never cover the body of the insert in any way or obstruct the openings placed on the upper side when the device is operating. All our inserts are trial lighted on the construction line.

In the event of a fire, disconnect the power supply, use an extinguisher and call the fire fighters if necessary. After that contact the Authorised Assistance Centre.

1.0 Norms and declarations of conformity

Our company declares that the insert conforms to the following norms for the EC European Directive labelling:

2014/30 UE (regulation EMCD) and following amendments;

2014/35 UE (Low Voltage Directive) and following amendments;

2011/65 EU (RoHS 2 directive);

The Rules of Construction Products (CPR-Construction Products Regulation) No. 305/2011 regarding the construction world; For installations in Italy, please refer to UNI 10683/98 or following changes. For the water-thermo-sanitary equipment, let the installer give you the conformity declaration in compliance with L. 37/2008. While installing the unit respect the local, national and European rules;

EN 55014-1; EN 55014-2; EN 61000-3-2; EN 61000-3-3; EN 60335-1; EN 60335-2-102; EN 62233, EN 50581.

1.1 Safety Information

Please carefully read this use and maintenance manual before installing and operating the insert!

If clarification is needed, please contact the dealer or the Authorized Assistance Centre.

- The pellet insert must only be operated in living environments. This insert, being controlled by an electronic board, permits a completely automatic and controlled combustion; the exchange, in fact, regulates the lighting phase, 5 power levels and the shut down stage, guaranteeing the safe operation of the insert;
- The basket used for combustion allows most of the ash produced by the combustion of the pellets to fall into the collection compartment. Nevertheless, check the basket daily, given that not all pellets have high quality standards (use only quality pellets recommended by the manufacturer);
- The glass is equipped with a special circulation of air for self-cleaning, but still, it is not possible, after several hours of operation, to keep a light grey patina from forming on the glass. This also depends on the type of pellets used. Some pellets deposit more ash than others.

1.2 Responsibility

With the delivery of the present manual, we decline all responsibility, both civil and penal, for accidents deriving from the partial or total lack of observance of the instructions contained herein.

We decline every responsibility derived from improper use of the insert, from incorrect use by the user, from unauthorized modifications and/or repairs, from the use of replacement parts that are not original for this model.

The manufacturer declines every civil or penal, direct or indirect responsibility due to:

- Lack of maintenance;
- Failure to observe the instructions contained in the manual;
- Use in non-conformity with the safety directives;
- Installation in non-conformity with the norms in force in the country;
- Installation by unqualified or untrained personnel;
- Modifications and repairs not authorized by the manufacturer;
- Use of non-original replacement parts;
- Exceptional events.



- **The insert must only be fed with quality 6 mm diameter pellets of the type recommended by the manufacturer;**
- **Before making the electrical connection of the insert the discharge tubes must be connected with the flue;**
- **The environment where the insert is installed must have a sufficient exchange of air;**
- **Never open the door of the insert while it is operating;**
- **When the insert is operating, the surfaces, glass, handle and tubes become very hot: during operation do not touch these parts without adequate protection;**



Please remember that the first lighting must be performed by our certified Authorized Assistance Centre (Law 37/2008) that verifies the installation and completes the guarantee. During the first lighting the environment should be well ventilated since during the first hours of operation unpleasant odours could develop due to the physical stabilizing of the paint and from the grease in the tubyère wrapping.

2.3 Suggestions

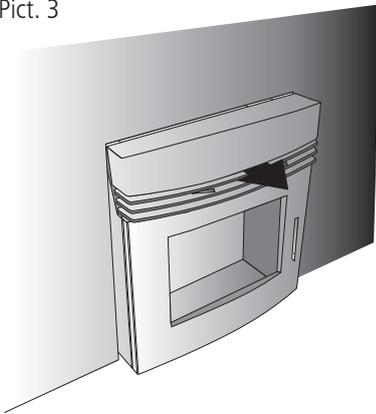
- Do not continuously turn the insert on and off as this could provoke sparks that could shorten the life of the electrical components;
- Do not touch the insert with wet hands: the insert has electrical components that could produce sparks if handled incorrectly. Only authorized technicians can resolve possible problems;
- Do not remove any screws from the fire chamber without first lubricating them well.
- Never open the glass door of the pellet insert while the insert is in operation;
- Be sure that the brazier basket is positioned correctly.

3.0 Pellets' loading in the pellet tank (Patent pending)

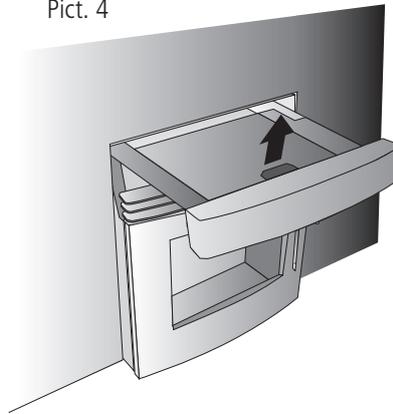
You can load the pellet in the pellet tank using the tray on the upper part of the insert. You can load the pellet in two ways:

- Remove the tray (Pict. 3); lift the supplied cab apron (shovel) (Pict. 4) so that you have a chute allowing the pellet to slide into the tank (Pict. 5) . Load now the pellet (Pict. 6).

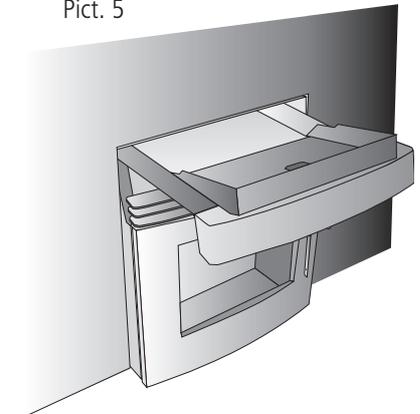
Pict. 3



Pict. 4

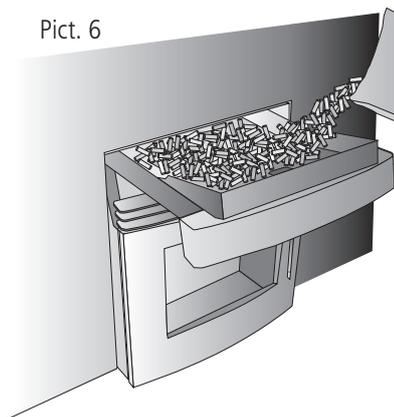


Pict. 5

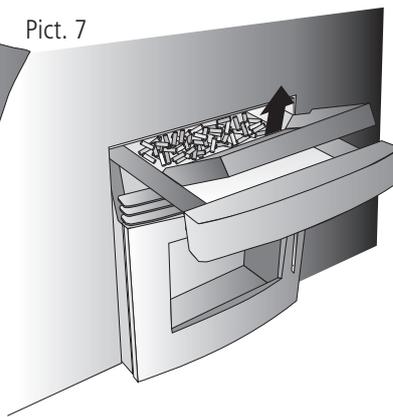


Once you have loaded the pellets, lift the tray so that all the pellets go to the pellet tank (fig. 7). Close the pellets tray (fig. 8).

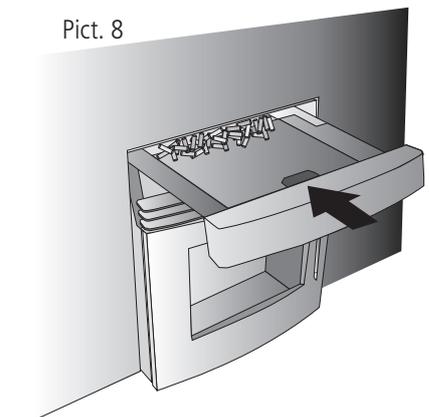
Pict. 6



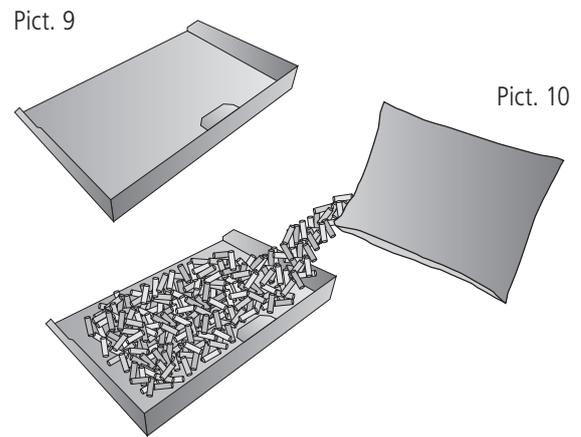
Pict. 7



Pict. 8



- Open the pellets tray (Pict. 3), remove the tray or shovel (Pict. 4-9) and load the pellet (Pict. 10) - the cab apron can take up to 3 kg pellets. Once you have loaded the cab apron, empty it into the tank (Pict. 5). Repeat this procedure more than once in order to load enough pellets to grant an autonomous functioning of the insert. Close the pellets tray (Pict. 8).



4.0 Pellet

The pellets are cylinders of compressed wood, produced from sawdust and wood processing (chips and sawdust), generally produced by sawmills and carpenters. The binding capacity of the lignin contained in wood, allows to obtain a compact product without adding additives and foreign chemicals to the wood, is therefore obtained a natural fuel with high yield.

The use of expired pellets or any other unsuitable material can damage parts of the Insert and impair proper operation: this can lead to the termination of the guarantee, and its producer responsibility.

For our products use pellets diameter 6 mm, length 30 mm and a maximum of 6% and A1 certified according to the UNI EN ISO 17225-2 standard. Keep the pellets away from heat sources and not in humid environments or with explosive atmosphere.



5.0 Remote Control

The remote control (Fig. 3) used to adjust water temperature power and the on/off functions for the pellet Insert.

To start the Insert, press key  and the Insert will automatically enter the starting phase.

Press keys  + (1) and  - (2) to adjust temperature, and use keys  + (6) and  - (5) to adjust operating power.

To turn off the Insert, hold down key .

To replace the 3 volt battery located on the back of the remote control, pull the centre of the cover and the lever on the side of the same, replace the battery observing the correct polarity (Fig. 4)



Fig. 3



Fig. 4



- **Keep/store the pellets in a cool dry place;**
- **Keep the fuel and other inflammable materials off the insert.**

6.0 Insert ignition



Remove any components which might burn from the firebox and from the glass (various instructions and adhesive labels).

6.1 Charge pellet

Fuel is loaded from the upper part of the Insert by opening a door. Pour the pellets in the hopper. When empty, this is easier if performed in two steps:

- Pour half of the contents of the bag into the hopper and wait for the fuel to settle on the bottom.
- Then pour in the rest.



Never remove the protection grille in the hopper. When filling, do not let the sack of pellets touch any hot surfaces.



The brazier should be cleaned before each starting.



LED	SYMBOL	DESCRIPTION
1		The LED lights up when a program is active.
2		The LED lights up when the resistance is active.
3		The LED lights up when the loading of pellet is active.
4		The LED lights up when the smoke fan is active.
5		The LED lights up when the room fan is active. (where present)
6		The LED lights up when the circulator is active.
7		The LED lights up when there is a warning.

Preliminary checks

Before switching on the pellet Insert, make sure that the pellet hopper is full, the combustion chamber is clean, the glass door is closed, the power supply plug is connected and the switch on the back is set to "1."

7.0 Display information



TURNED OFF
The Insert is off.



BRAZIER CLEANING
The Insert is cleaning the basket. The smoke extractor runs at maximum speed and the pellet load is at minimum.



TURNED ON
The Insert is in the first ignition phase. The glow plug and fume extractor are active.



ON STAND BY
All the requests have been satisfied and the insert is ready for the "STAND BY" mode.



LOAD PELLETT
In this phase of the ignition process the Insert starts loading the pellets into the brazier. The glow plug, the fume extractor and the cochlea engine are active.



HOLD REQUEST
The insert is in a "STAND BY" mode as everything has been satisfied. The insert is waiting for an heating request to turn on.



FIRE PRESENT
In this phase of the ignition process the Insert starts loading the pellets into the brazier. The fume extractor and the cochlea engine are active.



WAIT COOLING
The insert has to complete the cooling circle before turning on again.



WORK
The Insert is working, in this case at power 3. The detected room temperature is 21 ° C. During normal work, the fumes fan, the auger motor and the room fan are active.



ATTENTION!

The insert will function during the hours of ON programming at the same temperature and the power settings as when it was last shut down.

7.1 Alarm signals

In the event of a working defect, the system informs the user about the type of failure occurred. The following table summarises the alarms, kind of problem and possible solution:

Display		Kind of problem	Solution
ALAR 1	BLACK OUT	There is no power supply	As soon as the power supply is back, the Insert starts a cooling cycle: it will be necessary to restart it manually
ALAR 2	PROBE EXHAUST	The smokes sensor is broken or not connected to the pcb	Contact an Authorized Assistance Center
ALAR 3	HOT EXHAUST	Smokes temperature too high	Switch off the Insert, allow it to cool down and perform ordinary cleaning. If the problem persists, contact an Authorized Assistance Center for cleaning the Insert and the flue
ALAR 4	FAN FAILURE	Smokes extractor blocked or broken	Contact an Authorized Assistance Center
ALAR 5	NO LIGHTIN	The Insert cannot start up This is the first light-up	Fill in the tank with pellets Start up again
ALAR 6	NO PELLET	The pellet Insert switched off while working	Fill in the tank with pellets
ALAR 7	SAFETY THERMAL	The water temperature exceeds 100°C.	Clean the inert and the flue. Reset the thermostat manually. If the problem persists, contact an Authorized Assistance Center
ALAR 8	FAILURE DEPRESS	Obstructed flue	Clean the flue or check there are no obstructed grids near the smokes exhaust
SERV		The Insert has worked for 1200 hours. Supplementary maintenance required	Contact an Authorized Assistance Center

Regular checks should be carried out by the user, who should only contact the Authorized Assistance Center if no solution is found.

7.2 Programming menu

Menu 02 SET CLOCK

To access the set clock option, press the "SET" button (3), with the button - (5) scroll through the submenus until MENU 02 - SET CLOCK and with buttons 1 and 2 select the current day. Press the "SET" button (3) to confirm. Then use buttons 1 and 2 to set the time and press "SET" (3) to advance to the minutes setting by pressing buttons 1 and 2. By pressing set again it's possible to access various submenus in order to set the date, day, month, and year. To do so, repeat the steps indicated above, using buttons 1, 2, and 3. The following table briefly describes the structure of the menu, focusing only on those selections which are available to the user.

level 1	level 2	level 3	level 4	value
02 - set clock				
	01 - day			day of the week
	02 - hour			hour
	03 - minutes			minutes
	04 - day			day of the month
	05 - month			month
	06 - year			year



Set the current time and date. The device comes equipped with a lithium battery that allows the internal clock to operate autonomously for over 3-5 years.

Menu 03 SET CHRONO

Press the "SET" button (3) and then button 5 to arrive at the desired menu; press "SET" (3) to enter.

Enter menu M-3-1 and with buttons 1 and 2 select whether or not to activate the thermostat (on/off), which allows you to program the automatic ignition of the Insert. Once the thermostat is activated/deactivated, press button "4" (OFF) and continue scrolling through the submenus using button 5. Select which submenu you wish to enter in order to access the daily, weekly, and weekend programmes.

To set the ignition times and days repeat the previous steps:

- access the submenu using "SET" (3)
- adjust the days, times, and activation status (on/off) with buttons 1 and 2
- confirm by pressing the "SET" button (3)
- exit from the submenu/menu with button 4 to turn it off

The following table briefly describes the structure of the menu, focusing only on those selections which are available to the user.

level 1	level 2	level 3	level 4	value
03 - set crono				
	01 - abilita crono			
		01 - abilita crono		on/off
	02 - program. giorno			
		01 - crono giorno		on/off
		02 - start 1 giorno		ora
		03 - stop 1 giorno		ora
		04 - start 2 giorno		ora
		05 - stop 2 giorno		ora

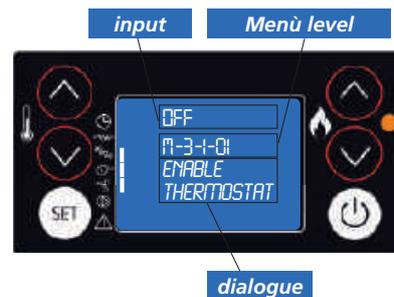
level 1	level 2	level 3	level 4	value
03 - set thermostat				
	01 - activate thermos.			
		01 - activate thermos.		on/off
	02 - day programme			
		01 - daily thermostat		on/off
		02 - start 1 day		hour
		03 - stop 1 day		hour
		04 - start 2 day		hour
		05 - stop 2 day		hour
	03 - week program.			
		01 - week thermostat		on/off
		02 - start program. 1		hour
		03 - stop program. 1		hour
		04 - monday progr. 1		on/off
		05 - tuesday progr. 1		on/off
		06 - wednesday prog. 1		on/off
		07 - thursday prog 1		on/off
		08 - friday prog 1		on/off
		09 - saturday prog 1		on/off
		10 - sunday prog 1		on/off
		11 - start program. 2		hour
		12 - stop program. 2		hour
		13 - monday progr. 2		on/off
		14 - tuesday progr. 2		on/off
		15 - wednesday prog. 2		on/off
		16 - thursday prog 2		on/off
		17 - friday prog 2		on/off
		18 - saturday prog 2		on/off
		19 - sunday prog 2		on/off
		20 - start program. 3		hour
		21 - stop program. 3		hour
		22 - monday progr. 3		on/off
		23 - tuesday progr. 3		on/off
		24 - wednesday prog. 3		on/off
		25 - thursday prog 3		on/off
		26 - friday prog 3		on/off
		27 - saturday prog 3		on/off
		28 - sunday prog 3		on/off
		29 - start program. 4		hour
		30 - stop program. 4		hour
		31 - monday progr. 4		on/off
		32 - tuesday progr. 4		on/off
		33 - wednesday prog. 4		on/off
		34 - thursday prog. 4		on/off

		35 - friday prog. 4		on/off
		36 - saturday prog. 4		on/off
		37 - sunday prog. 4		on/off
	04 - week-end program.			
		01 - therm. week-end		
		02 - start 1		
		03 - stop 1		
		04 - start 2		
		05 - stop 2		

Menu 03 SET CHRONO

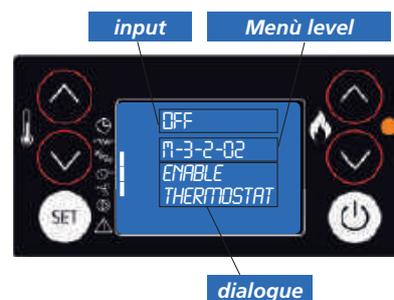
Submenu 03 - 01 - activate thermostat

This allows you to activate and deactivate all of the functions of the thermostat



Submenu 03 - 02 - daily programme

This allows you to enable, disable, and set the daily functions of the thermostat.



It's possible to set two operating ranges delimited by the times set according to the following table where the OFF setting tells the clock to ignore the command:

selezione	significato	valori possibili
START 1	ora di attivazione	ora - OFF
STOP 1	ora di disattivazione	ora - OFF
START 2	ora di attivazione	ora - OFF
STOP 2	ora di disattivazione	ora - OFF

Submenu 03 - 03 - weekly programme

This allows you to enable, disable, and set the weekly functions of the thermostat.



The weekly programmer has 4 independent programmes whose final effect is composed of the combination of the 4 individual programmes. The weekly programmer can be activated or deactivated. Additionally, by setting OFF in the time field, the clock ignores the corresponding command.



Plan programming carefully in order to avoid overlapping activation/deactivation times in a single day in different programmes.

PROGRAMME 1			
menu level	selection	meaning	possible values
02-03-02	START PROGRAM 1	activation time	time - OFF
02-03-03	STOP PROGRAM 1	shut-off time	time - OFF
02-03-04	MONDAY PROGRAM 1	reference day	on/off
02-03-05	TUESDAY PROG 1		on/off
02-03-06	WEDNESDAY PROG 1		on/off
02-03-07	THURSDAY PROGR 1		on/off
02-03-08	FRIDAY PROGRAM 1		on/off
02-03-09	SATURDAY PROGR 1		on/off
02-03-10	SUNDAY PROGR 1		on/off

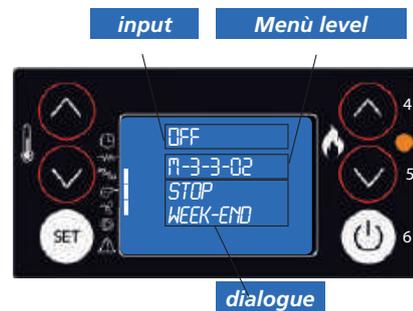
PROGRAMME 2			
menu level	selection	meaning	possible values
03-03-11	START PROGRAM 2	activation time	time - OFF
03-03-12	STOP PROGRAM 2	shut-off time	time - OFF
03-03-13	MONDAY PROGRAM 2	reference day	on/off
03-03-14	TUESDAY PROG 2		on/off
03-03-15	WEDNESDAY PROG 2		on/off
03-03-16	THURSDAY PROGR 2		on/off
03-03-17	FRIDAY PROGRAM 2		on/off
03-03-18	SATURDAY PROGR 2		on/off
03-03-19	SUNDAY PROGR 2		on/off

PROGRAMME 3			
menu level	selection	meaning	possible values
03-03-20	START PROGRAM 3	activation time	time - OFF
03-03-21	STOP PROGRAM 3	shut-off time	time - OFF
03-03-22	MONDAY PROGRAM 3	reference day	on/off
03-03-23	TUESDAY PROG 3		on/off
03-03-24	WEDNESDAY PROG 3		on/off
03-03-25	THURSDAY PROGR 3		on/off
03-03-26	FRIDAY PROGRAM 3		on/off
03-03-27	SATURDAY PROGR 3		on/off
03-03-28	SUNDAY PROGR 3		on/off

PROGRAMME 4			
menu level	selection	meaning	possible values
03-03-29	START PROGRAM 4	activation time	time - OFF
03-03-30	STOP PROGRAM 4	shut-off time	time - OFF
03-03-31	MONDAY PROGRAM 4	reference day	on/off
03-03-32	TUESDAY PROG 4		on/off
03-03-33	WEDNESDAY PROG 4		on/off
03-03-34	THURSDAY PROGR 4		on/off
03-03-35	FRIDAY PROGRAM 4		on/off
03-03-36	SATURDAY PROGR 4		on/off
03-03-37	SUNDAY PROGR 4		on/off

Submenu 03 - 04 - program week-end

This allows you to enable, disable, and set the weekend functions of the thermostat (days 5 and 6, or Saturday and Sunday).



REMARKS:

- in order to avoid confusion and unwanted start-ups or shutdowns, activate only one programme at a time unless you know exactly what you'd like to achieve
- deactivate the daily program if you want to use the weekly program
- always leave the weekend programme deactivated if you use weekly programmes 1, 2, 3, and 4.
- activate the weekend programme only after you have deactivated the weekly programme.

Menu 04 - select language

Press the SET button to access the menu and press  (5) up to the MENU 04 - SELECT LANGUAGE. Then press the SET button to access the menu. Select the desired language using the keys  (1) e  (2)

8.0 Failure on electrical devices

Mancata accensione

If the flame does not light up during the switching on or if the smokes temperature does not reach a suitable value in the foreseen time gap, the insert switches off and you will read the words **"NO LIGHTIN"** on the display. Press the key "On/Off" to reset the alarm. Wait until the cooling phase is completed, clean the brazier and start a new light-up.

Switching off while working

The insert suddenly switches off while working (for example because it has run out of pellets in the tank or because the motor reducer for pellets loading got broken). The insert continues working until the pellets left in the brazier ends. You will then read the words **"NO PELLETT"** on the display and the insert switches off. Press the key "On/Off" to reset the alarm. Wait until the cooling phase is completed. Clean the brazier and start a new light-up.

These alarms remind you that the brazier must be cleaned and installed correctly before switching on the insert.

There is no power supply

In the event of a power drop longer than one minute, the insert can exhaust some smoke in the room: this causes no risks. As soon as you have the power supply again, the insert will have the words **"BLACK OUT"** on the display. After completing the cooling phase, the insert will start up again automatically according to the previous settings. o precedente all'assenza di elettricità.



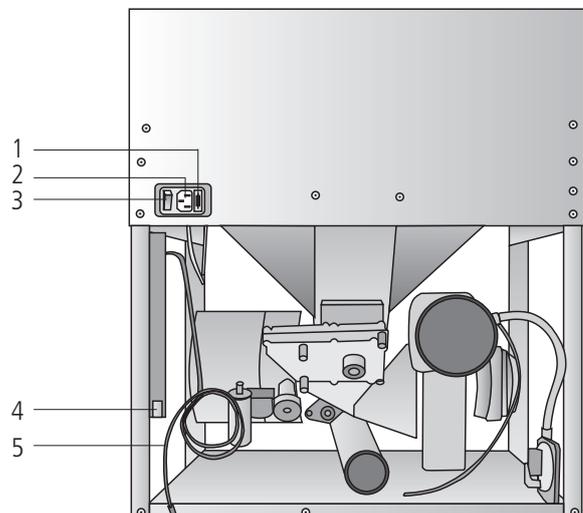
Do not attempt to start the insert before the required time or it may get blocked. If this occurs, switch off the switch on the back of the pellet insert insert for 1 minute, set it on again and wait 10 minutes before starting the insert again.



The power socket where the insert is connected should be fitted with "earth connection complying with regulations in force." The Manufacturer shall not be held responsible for damage to things or people resulting from negligent installation.

Pict. 11: back

1. Fuse F4AL250V
2. Electrical feed cable
3. Lighting button
4. Thermostat reset button
5. Environmental probe



9.0 Stand-by mode

This mode allows the automatic shutdown of the insert once it reaches the temperature set on SET.

When this happens, the insert will wait a few minutes (factory setting), after which will turn off automatically if the temperature of the room in the meantime has always maintained above the set.

Once turned off as a result of this condition, the insert will automatically turn on only when the ambient temperature will drop to 2 °C below the set temperature in the oven (example: SET=24 °C and ambient temperature = 21 °C).

If the insert is turned off for the sleep-mode, although there is an ignition programmed this will be ignored and the heater will turn back on only to lower the temperature as explained above.

The sleep timer is instead always respected if the insert is in STAND-BY and is turned off manually by pressing the OFF button; doing so the insert will shut down permanently rekindling not more, less than expected from the ignition weekly programming.

Enabling stand-by mode

Press the SET (3) to access the menu and with the button  (5) reach the *MENU 05 (STAN-BY MODE)*. Then press SET (3) to access it; STAND-BY function is set by default to OFF.

To activate this feature, press  (1), on the display you will see "*STAN-BY MODE ON*". Press SET (3) to confirm and then OFF (4) to leave. The STAND-BY mode is now active.

10.0 External thermostat

The insert has the possibility to interface with an external thermostat to control the ignition and switch off of the insert according to the room temperature. The thermostat must be of open / closed type with a clean contact.

If the thermostat carries voltage to the card causing faults, the warranty will expire.

To configure the thermostat, simply remove the jumper on the Therm clamp and connect the room thermostat

OPERATION BY A SPECIALIZED TECHNICIAN

Once switched on, the insert will remain in operation until the temperature set in the thermostat is reached.

When the contact is opened the insert will remain in modulation and the display will show ECO THERM for 5 minutes, after which it will go to Stand-by ECO + OFF.

At the moment of a new heat request in the room (and therefore re-closing), the insert will remain in ECO ATT mode for 10 minutes. If during this time the contact remains closed, the insert will switch on.

NOTE:

At the moment when the insert will be switched off manually  or by programming, it will no longer be connected by the thermostat.

11.0 Cleaning and maintenance

11.1 Ordinary cleaning (to be done every day or when necessary)

Before effecting any maintenance operation or cleaning on the insert, take the following precautions:

- Be sure that all parts of the insert are cold;
- Be sure that the ashes are completely cold;
- Be sure that the general switch is in the "OFF" position;
- Be sure that the plug is pulled out of the socket to avoid accidental contact;
- Once the maintenance phase is completed check that everything is in order as per before the intervention (the brazier is placed correctly).



Follow carefully the following cleaning instructions. Failure to follow these instructions could create problems with the operation of the insert.

11.2 Cleaning the surfaces

To clean the surfaces, use a rag dampened with water or with water and a neutral detergent.



The use of aggressive detergents or thinners can damage the surfaces of the insert. Before using any detergent it is advisable to try it on a small section out of sight or contact the Authorized Assistance Centre for information regarding the product.

11.3 Cleaning the metal parts

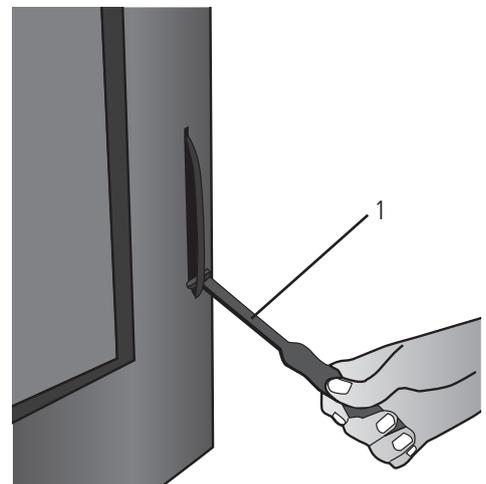
To clean the metal parts of the insert, use a soft cloth dampened with water.

Never clean the metal parts with alcohol, thinners, petrol, acetone or other degreasing substances. If such substances are used, our company declines any responsibility.

Eventual variations in the colour of the metal parts can be caused by an incorrect use of the insert.

11.4 How to open the door of your fireplace insert

Open the door only when the fireplace insert is switched off and cold. Use the provided dedicated tool (detail 1, Pict.12) to open the door: assemble the hook at the one end of the detail 1 in the hole of the handle and pull the door.



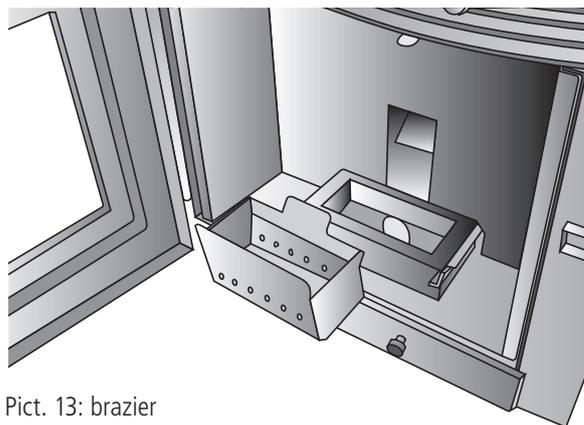
11.5 Cleaning the brazier and brazier support

When the flame assumes a red colour or seems weak, and is accompanied by black smoke, this means that there are ash deposits or incrustations that do not permit the correct functioning of the insert and that must be removed. Remove the brazier every day by simply raising it from its slot (Pict. 13); then clean out the ashes and eventual incrustations that may have formed, paying particular attention to liberating the holes by using a pointed tool (not included with the insert).

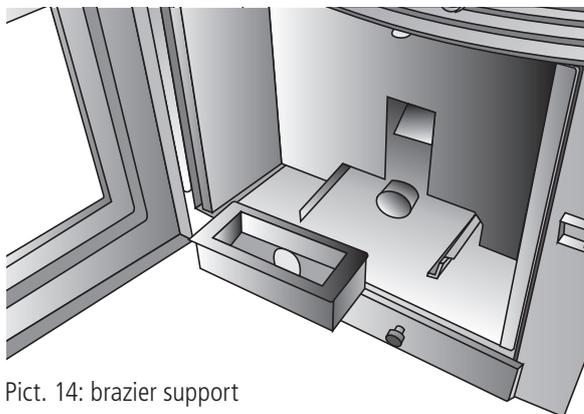
This operation is made particularly necessary before every lighting the first several times and above all if using pellets that differ from those supplied by our company. The frequency of this operation is determined by how frequently the insert is used and the choice of pellets.

It is suggested to check the brazier support too. Remove it from its base and clean eventual ash rests with an aspirator (Pict. 14).

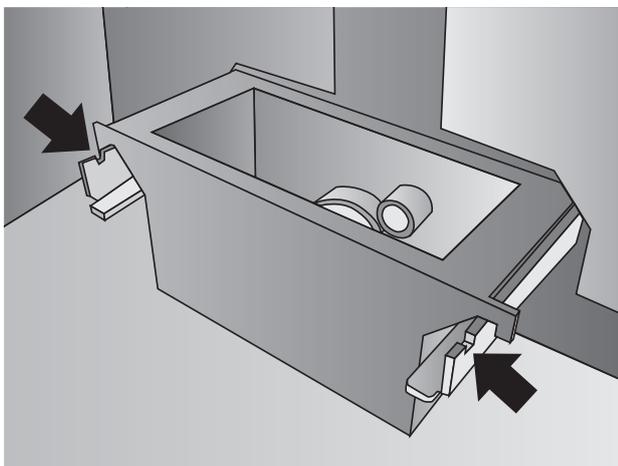
NOTE: when you insert the brazier support, be sure you install it on the stopping device on the support brackets (Pict. 15). The brazier flap for pellets fall (Pict. 16) must be addressed to the inner part of the combustion chamber.



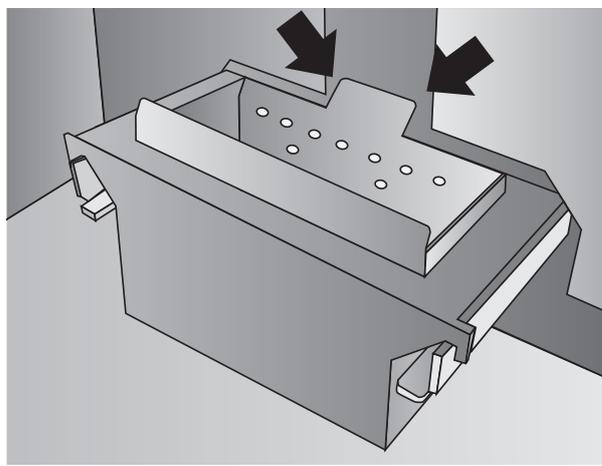
Pict. 13: brazier



Pict. 14: brazier support



Pict. 15: how to insert the brazier support

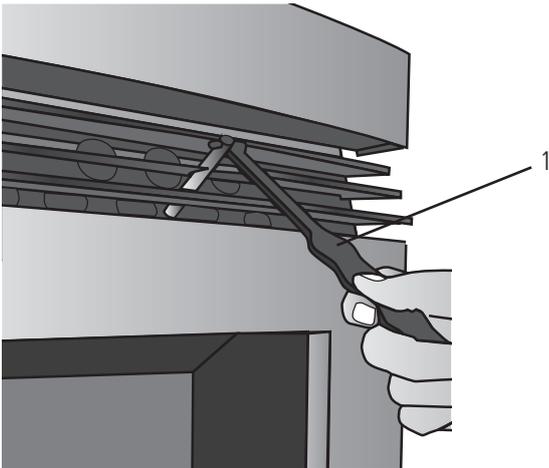


Pict. 16: how to insert the brazier

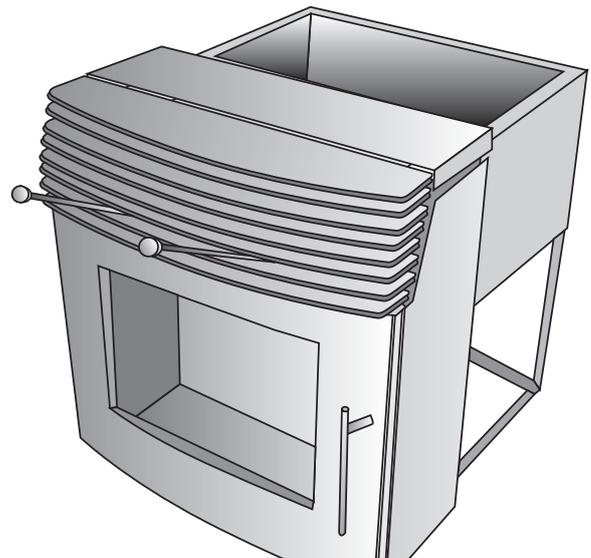
11.6 Daily cleaning with a scraper

When the insert is switched off and cold, start up the scrapers of the pipe for heat exchange 5-6 times. You need to pull and push the two control levers set between the front grids through which the air flows outdoor. Use the provided dedicated tool (detail 1, pict. 17) to activate the scraper: assemble the hook at the one end of the detail 1 in the hole on the scraper and pull the scraper several times.

- Push the scrapers toward the insert with the door closed (Pict. 18).
- Pull the scrapers toward themselves with the door closed (Pict. 18).



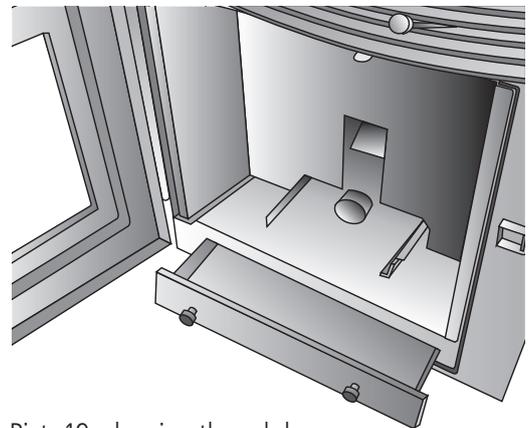
Pict. 17 dedicated tool to activate the scraper



Pict. 18: activated scraper

11.7 Ash box

Open the door, turn the two fastening knobs and remove the tray. Remove all the ash fallen into the tray using a fan. You can clean the tray more or less frequently according to the quantity of pellets you use (Pict. 19).



Pict. 19: cleaning the ash box

11.8 Cleaning the glass

The glass is a self cleaning type, therefore, while the insert is working, a veil of air is blown across its surface to remove ash and dirt; nevertheless over a period of several hours, a greyish patina tends to form which should be cleaned when the insert is next shut down. How dirty the glass becomes also depends on the quality and quantity of pellets used. Cleaning the glass should be done when the insert is cold with products recommended and tested by our company. When performing this operation, always check that the grey seal around the glass is in a good state; failure to check the efficiency of this gasket can compromise the function of the insert. Poor quality pellets can, in any case, cause the glass to become dirty.

NOTE: If the glass is broken, do not attempt to light the insert.

11.9 Cleaning the clearing system

Until a reasonable experience is acquired regarding the operating conditions, it is advisable to perform this maintenance on at least a monthly basis.

- Remove the electrical feed cable;
- Remove the cap from the T-joint and proceed with the cleaning of the ducts. If necessary, at least for the first few times, call in qualified personnel;
- Carefully clean the smoke discharge system: for this, contact a professional chimney sweep;
- Once a year clean the dust, cobwebs, etc. from the zone behind the internal covering panels, paying particular attention to the fans.

11.10 Cleaning the fans

The insert is furnished with fans (environmental and smoke) positioned at the rear and below the insert.

Eventual deposits of dust or ash on the blades of the fan can cause an imbalance in the fans leading to noisy performance. It is, therefore, necessary to clean the fans at least once a year.

Since said operation requires dismantling several parts of the insert, have the fans cleaned only by our Technical Assistance Centre.

12.0 Supplementary maintenance

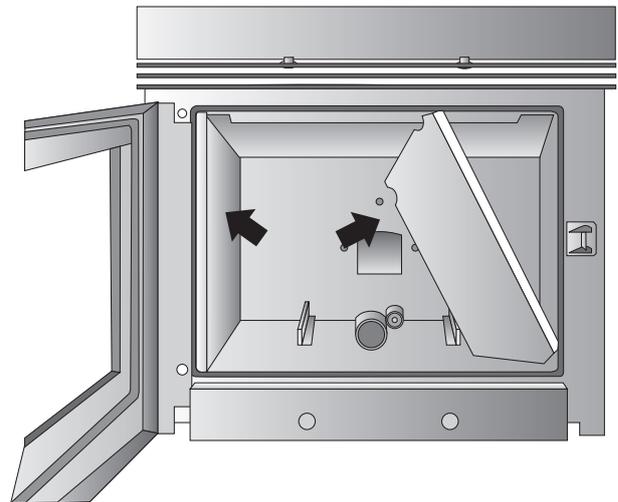
(to be done every 6 months or after 1000 kg burnt pellets)

12.1 Cleaning of the combustion chamber

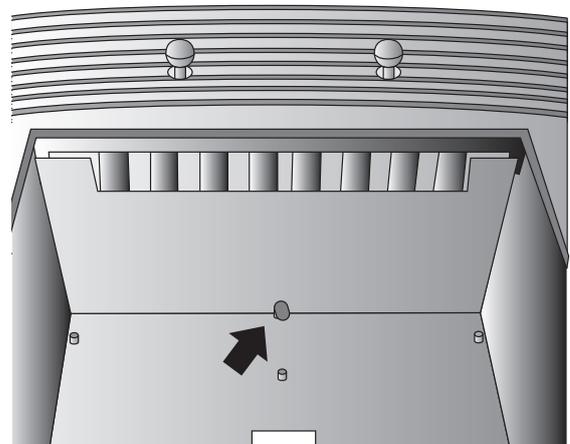
- Open the door and remove the hearth, the brazier and the ash box;
- Remove the flap holding the inner wall and pull this and the two side walls out with due caution (Pict. 20);
- Remove the flame shield. Let it run towards the door, remove the support flaps and lower it until you can pull it out (Pict. 21);
- Spray some suitable loosening product on the screws fastening the upper and lower panels of the combustion chamber. Wait until the screws are loosened and remove them using a suitable tool. Remove the panels;
- Use a paddle or an aspirator to remove any eventual ash rests or incrustations. Remove in correct order all the removed parts. Remember to lubricate the screws fastening the panels.

12.2 Insert back side

- With due caution lift the insert a bit and remove it from the check pin of 5 mm.;
- Pull the insert out of the fireplace. You need four of you at the four sides of the insert. Lift it by hand and put it on a level surface;
- Using a brush or an aspirator remove any eventual ash or dust rests. Install the insert again: Place it on the support and push it slowly until it reaches the opposite check pin;
- Check that the flue system lies perfectly in the T pipe.



Pict. 20: how to remove the sides



Pict. 21: how to remove the flame protection

Cleaning after 900 hours work or per year



Every time you reach 900 working hours or at least once a year, you need to clean the insert in all its parts.

Join the following procedure to check the working hours on the display:

- Press the key SET 5 times until you reach the parameter UT04. Use the keys to increase or decrease the temperature to reach 01. Confirm with the key SET. On the upper display you will read the letters "Par" and on the lower display you will see the exact working hours of the insert.
- You will exit the working hours menu automatically after a few seconds you do not work on it.

12.3 Season end cleaning

At the end of the season, when the insert will not be used for some time, it is advisable to perform a thorough and general cleaning:

- Remove all the pellets from the container and the screw feeder;
- Carefully clean the brazier, the brazier support, the combustion chamber and the ash box.

Once the preceding points have been observed, it only means that the state of the insert has been verified. It is necessary to thoroughly clean the smoke discharge tube or flue and check the condition of the basket. If necessary, order a new one from our Authorized Assistance Centre. If necessary, lubricate the hinges of the door and the handle. Also check the ceramic fibre cord near the glass, on the internal wall of the door; if it is worn or too dry, order a new one from the Authorized Assistance Centre.

13.0 Replacing elements

13.1 Replacing the glass

The insert is furnished with a 4 mm thick ceramic glass that is resistant to a thermal shock of 750°C; the glass can break only from a strong impact or from improper use.

Do not slam the door or hit the glass.

In case of breakage, replace the glass only with an original replacement furnished by the Authorized Assistance Centre.

14.0 Annual maintenance by the Authorized Assistance Centre

The following operations are to be programmed annually by the Authorized Assistance Centre and are necessary to insure that the product remains efficient and guarantee safe operation.

- Careful cleaning of the combustion chamber;
- Cleaning and inspection of the smoke clearing ducts;
- Checking the seal of the gaskets;
- Cleaning the mechanisms and moving parts (motors and fans);
- Checking the electrical parts and the electronic components.

14.1 Operations to perform every season before the first lighting.

- A general cleaning inside and outside;
- A careful cleaning of the exchange tubes;
- A careful cleaning and disincrustation of the crucible and the relative cavity;
- Clean the motors, checking the play and fastenings of the mechanisms;
- Clean the smoke channel (substitute the tube gaskets) and smoke extractor fan cavity;
- Clean silicone tube connected to the pressure switch;
- Clean, inspect and disincrust the lighting resistor cavity, replacing it if necessary;
- Clean/check the synoptic panel;
- Visually inspect the electrical cables, the connections and the electrical power cable;
- Clean the pellet container and verify the play with the screw feeder gear motor;
- Replace the door seals;
- Functional assessment, loading the screw feeder, lighting, 10 minutes of operation and shut down.

GENERAL GUARANTEE

All products are subject to accurate testing and are covered by warranty for 24 months from the date of purchase, documented by invoice or purchase receipt that will be presented to authorized technicians. If the document does not show up, it will be invalidate the right of the owner of the appliance. Warranty means the replacement or repair of parts of the appliance that are defective at source due to manufacturing faults.

1. Warranty covering manufacturing defects and defects in material declines:
 - for unauthorized personnel work;
 - for damage caused by transport or for causes not attributable to the manufacturer;
 - for incorrect installation;
 - for incorrect electrical connection;
 - for periodic maintenance not performed;
 - for outdoor accidents (lightning, floods, etc ...);
 - for incorrect use and maintenance.
2. Complete replacement of the machine can only take place following the unquestionable decision by the manufacturer in special cases
3. The Company declares no responsibility for any damage that may, directly or indirectly, result in persons, things or animals as a result of non-observance of the instructions in the Instructions book and in particular concerning the installation, use and maintenance of the appliance.

GUARANTEE LIMITATIONS

Limited Warranty covers manufacturing defects, provided that the product has not been damaged by improper use, improper handling, incorrect connection, tampering, and installation errors. The following components are covered by a twelve months warranty:

- combustion burners;
- resistance.

They are not covered by warranty:

- the glass of the door;
- general gasket and fiber door;
- painting;
- tiles;
- the remote control
- Internal sides
- Any damage caused by inadequate installation and / or shortages of the consumer.

The images are purely indicative and may not match the reality of the product. Pictures are only exemplary and they are needed to understand how the product works.

Installation:

Your new Kalor stove/boiler stove should be installed by correctly qualified and experienced personnel only. As with any heating appliance, incorrect installation can be extremely dangerous and may lead to personal injury or even death. We recommend that your installer is fully qualified and appropriately experienced in the installation of stoves and boilers and is also a competent plumber if appropriate (boilers and boiler stoves).

Stove Warranty

Your new Kalor appliance warranty is valid for two years (one year on electrical components) provided it is installed, commissioned and maintained as recommended by the manufacturer. It is very important to understand that any and all warranty claims may be rejected should your stove/boiler not be commissioned by one of our Authorised Technicians. See below for further details.

Your first point of contact for warranty issues is your Authorised Kalor Dealer (where you purchased your stove). They can assist you with any issue that you may have.

PLEASE NOTE:

Commissioning of your stove/boiler **MUST** be carried out by an Authorised Kalor Technician.

Signed Commissioning Sheet must be returned to us, within 30 days of stove installation to validate your stove warranty. Please return completed forms to:

Email: accounts@woodpelletstoves.ie

Post: Wood Pellet Stoves.ie, Shandrum, Newport Co. Mayo

If stove is not commissioned by an Authorised Kalor Technician within 30 days of installation, warranty is immediately voided.

Wood Pellet Stoves.ie

Newport, Co. Mayo, Ireland

Tel: 086 012 7744 **Email:** info@woodpelletstoves.ie

Web: www.woodpelletstoves.ie



wood **pellet** **stoves**.ie