PELLET STOVE DATA SHEET
V8

1 Index

General index

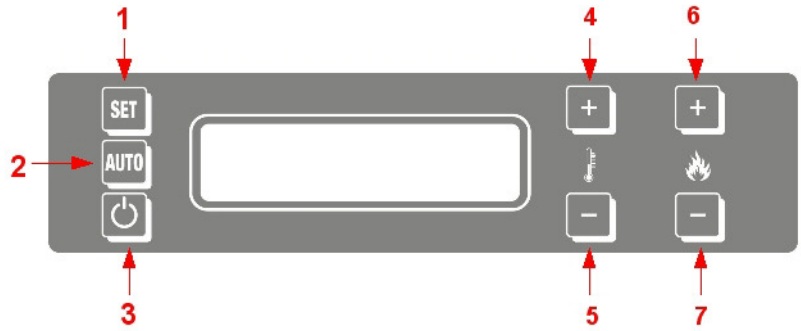
2 Description of the equipment

The electronic board manages the automatic operation of a pellet-fed combustion system. User programming is performed from the keyboard while the definition of the combustion and safety parameters is performed using the supplied software and can be modified at any time from the stove panel.

General Technical Characteristics:

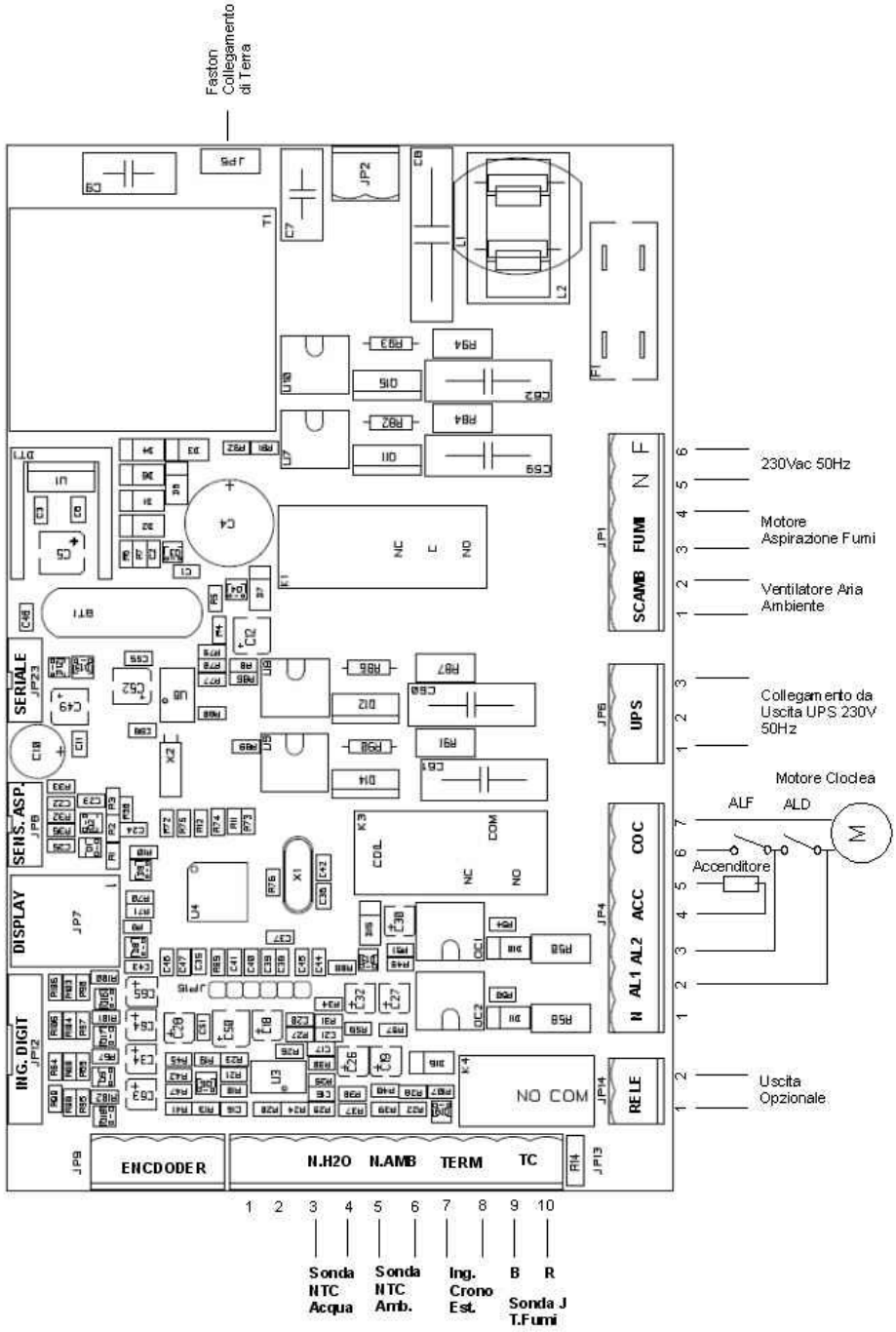
- Power supply 230Vac 50Hz
- 230Vac 50Hz smoke suction motor output
- Ambient air fan motor output 230Vac 50Hz
- Pellet feed motor output 230Vac 50Hz Igniter
- output 230Vac 50Hz
- Auxiliary water pump output 250V (Optional)
- GSM control output
- UPS 230Vac 50Hz input for flue gas discharge in case of mains power
- failure
- Chronothermostat input
- GSM input command via SMS
- Fumes motor encoder input (optional) Fume
- temperature measurement probe J-350 ° C
- NTC Water Temperature Measurement Probe (Optional)
- NTC Ambient Temperature Measurement Probe
- Semiconductor suction flow detection probe (Optional)
- Clock with buffer battery
- Connection to chronothermostat or GSM module.
- External LED display or 16x2 backlit LCD
- IR remote control (optional)
- Evolved Weekly Programmer
- Scheduled On or Off timer
- Wireless connection input for external temperature probe (Optional) or
- Serial connection for software programming

3 The Stove Panel



1) SET key: Used to enter the menu and confirm data changes during the phase setting.
2) AUTO key: Allows you to change the operation of the machine from Automatic to Manual stove.
3) ON / OFF key: Switching the stove on and off. In the event of an error, if pressed for a few seconds, it resets the alarm. Also used to exit menus without data variation.
4) TEMP +: Key to increase the desired temperature. Also used to scroll through menus and data.
5) TEMP-: Button to decrease the desired temperature. Also used to scroll i menu and data.
6) PROG +: Program increase key or desired operation power. Also used to scroll through menus and data.
7) PROG-: Button to decrease the program or desired operating power. Also used to scroll through menus and data.

4 Electronic Board Layout



5 Description of terminal block and connectors

5.1.1 Description of JP1 connector.

Clamp	Description
1	Air Fan Motor 230Vac 50Hz Air Fan
2	Motor 230Vac 50Hz Fume Extraction
3	Motor 230Vac 50Hz Fume Extraction
4	Motor 230Vac 50Hz Board Power
5	Supply 230Vac 50Hz Board Power
6	Supply 230Vac 50Hz

5.1.2 Description of JP4 connector.

Clamp	Description
1	Neutral Card
2	Sensor AL1 input
3	Sensor AL2 input
4	Ignitor 230Vac 50 Hz
5	Ignitor 230Vac 50 Hz
6	Pellet loading motor through ALF and ALD sensor
7	Pellet loading motor 230Vac 50Hz

5.1.3 Description of JP5 connector.

Clamp	Description
1	Input from UPS 230Vac 50Hz
2	Not Connected
3	Input from UPS 230Vac 50Hz

5.1.4 Description of JP13 connector.

Pin	Description
1	Not connected
2	GND
3	Water probe input NTC 10K
4	Water probe input NTC 10K
5	Room probe input NTC 10K
6	Room probe input NTC 10K
7	EXTERNAL CHRONOTHERMOSTAT Contact Input
8	EXTERNAL CHRONOTHERMOSTAT Contact Input
9	Negative Input (BLUE) FUMES temperature probe J-350
10	Positive Input (RED) FUMES temperature probe J-350

5.1.5 Description of Connector JP12 Digital Inputs (V8 Version Only)

Pin	Description
1	External chronothermostat input
2	GND
3	GSM inputs
4	GND
5	Pressure switch input
6	GND
7	Auxiliary Input 1
8	GND

5.1.6 Description of JP19 connector Fume Motor Encoder.

Pin	Description
1	Signal Input
2	+ 5V 100 mA
3	GND
4	Reference

5.1.7 Description of Panel JP5 BUS connector.

The connector is dedicated to the connection to the LCD panel or, via optional card, to GSM or digital I / O additional card.

5.1.8 Description of JP23 TTL Serial Connector.

The connector is used for connection to a PC, using a TTL-RS232 adapter or directly to the GSM V8-Plus module.

Pin	Description
1	+ 5V 50mA
2	TX line
3	RX line
4	GND
5	NC
6	12V 100 mA

6 User Use.

The card automatically controls the various operating parameters of the stove. The user can manually control the stove, to switch it on or off, or use the advanced functions such as the weekly programmer or the timer.

6.1.1 First Power Up

Once the board has been powered up, the version of the resident software is displayed on the LCD display and then the situation of the stove which, in the case of first ignition, will be off.

6.1.2 Temperature setting

The desired room temperature is set using the Temp + and Temp- buttons on the panel. The settable values are from 15 to 30 ° C.

6.1.3 Setting the operating program

The operating program represents the heating power of the stove. The program can be set using the PROG + and PROG- keys and range from 1, minimum power, to 5, maximum power.

6.1.4 Ignition of the stove

To light the stove, press the START key for a few seconds. The stove will automatically proceed in the ignition and heating phase. If it is the first ignition, and therefore the first load of pellets, it will be necessary to carry out several ignition cycles so that the pellets enter the feeding circuit. Even in the case of re-ignition, following the automatic shutdown for pellets completed (Error Code 5), an ignition error may be possible due to the emptying of the Pellets feeding circuit. If the stove has not performed a correct ignition, the following will in any case have a reduced quantity of pellets based on the setting of the auger power in ignition, which can be set from 1 to 5 (parameter code 25).

6.1.5 Switching off the stove

To turn off the stove, simply press the STOP key, with the LCD display illuminated. By means of controlled cooling, the system will bring the stove to the off position.

6.1.6 Reset System Errors

The stove signals any anomalous situation detected by means of an error code and relative comment. Before restarting the stove, it is necessary to reset any error by pressing the STOP key for about 3 seconds and in any case until the error message on the

LCD display. The last 10 errors are saved in a non-volatile memory and can be viewed by entering the ERROR LOG menu.

6.1.7 Heating mode.

It is possible to change the heating mode at any time by controlling both the program and the set temperature using the keys present and following the indications on the display and on the panel itself. The stove will automatically adjust the power supplied according to the program and the room temperature detected by the appropriate probe.

6.1.8 Pellets Economy.

If during the heating phase the room temperature exceeds the set value of the delta T set in system parameter 62, the stove goes into pellet economy by going into cooling. The stove will re-ignite automatically if the room temperature drops below the set temperature for at least 1 minute. By default the parameter 62 is set to 0 and the function is disabled. The settable temperature value ranges from 1 ° to 15 ° C.

6.1.9 Automatic or Manual Mode.

The operation of the stove can be manual, switched on and off by the operator, or automatically by means of the weekly programmer or built-in timer to switch the stove on or off automatically at preset times according to your needs. To change the mode, press the MOD key on the panel. The display will indicate the selected mode at all times.

6.1.9.1 Manual.

The stove is only controlled manually and therefore each ignition or shutdown is done using the ON / OFF button.

6.1.9.2 Auto.

In addition to being switched on and off manually, the stove controls the settings in the weekly timer and programmer by switching on or off at the preset times and days.

7 User Programming

User programming is possible through the menu accessible by pressing the SET key on the illuminated display panel. To exit the menu at any time, without making any changes, press the STOP key. In any case, if no keys are pressed for about 1 minute, the system will automatically exit the menu to display the status of the stove. To scroll through the various menus, use the TEMP + and TEMP- keys to enter the displayed menu press SET.

7.1.1 Set Date and Time

By pressing SET you enter the built-in calendar setting menu. You can change the day of the week from Monday to Sunday as well as the time and date. To move between

variables use the PROG + and PROG- keys while to modify them use the TEMP + and TEMP- keys. To confirm the change and exit, press the SET key.

7.1.2 Weekly Programmer.

The programmer is only active in automatic operating mode (AUTO on the display). There are 30 programming levels that can be set for switch-on or switch-off time, temperature and operating program. Each single program can be disabled without the need for cancellation in a very simple way.

By pressing SET you enter and scroll through the various programs while with the TEMP + and TEMP- keys you scroll through the variables to be modified. Then use the PROG + and PROG- keys to set the values required

7.1.2.1 Program Number.

Indication relating to the selected program from 1 to 30.

7.1.2.2 Weekly day.

Indication relating to the day of the week of the displayed program. It is possible to set the various days individually, from Monday to Sunday (Mon, Tue, We, Thu, Fri, Sa, Su) or for all working days from Monday to Friday (LV) as well as weekends from Saturday to Sunday (SD). This system allows you to set a single program capable of switching the stove on or off every day from Monday to Friday at the same time.

7.1.2.3 Time.

Stove switch-on or switch-off time

7.1.2.4 Minutes.

Minutes of switching the stove on or off

7.1.2.5 Required temperature.

In the event of an ignition program it is necessary to set the required room temperature from 5 to 30 ° C.

7.1.2.6 Required Schedule.

In the event of a switch-on program, the heating program must be set required from 1 to 5.

7.1.2.7 Program Type.

Set whether the ignition program is ON or the shutdown program is OFF.

7.1.2.8 Enabling the program.

This function is essential because if in the not enabled position (No A.) the system will not check the program and the programmed function will not be able to take place.

7.1.2.9 Programming Example.

To program the stove so that it switches on every day from Monday to Friday at 08.30 at power 5 with a temperature of 20 ° C, proceed as follows once you have entered the setting ignition program.

- With TEMP + select LV as switch-on days from Monday to Friday. Select the Hour with
- the PROG + key and set 08 with the TEMP + and TEMP- keys. Select the minutes with the
- PROG + button and set 30 with the TEMP + and TEMP- buttons. Select the temperature
- with the PROG + key and set 20 ° with the TEMP + and keys TEMP-.
- Select the heating power with the PROG + key and set 5 with the keys TEMP + and TEMP-.
- Select the mode with the PROG + key and set ON with the TEMP + and keys TEMP-.
- Select the type of program with PROG + and set Abil. with the TEMP + and keys TEMP-.
- Press SET to store the data and enter a new ignition program. If finished, press STOP to exit.
- Remember to set the operating mode to Automatic to enable the weekly programmer control.

7.1.3 Timer function.

The timer function is only active in automatic mode (AUTO on the display). Allows you to turn the stove on or off after a number of hours, from 1 to 99 automatically. After setting the timer and placing the stove in automatic operation position, the display will signal the timer function with the relative count-down indication in hours and minutes after which the stove will switch on or off. Joint operation with the programmer is possible. If the timer function is enabled, the weekly programmer is not controlled. After the completion of the timer function the weekly programmer will be checked.

By pressing SET you enter and scroll through the various programs while with the TEMP + and TEMP- keys you scroll through the variables to be modified. Then use the PROG + and PROG- keys to set the required values. Check that in the countdown the time indicated runs and that the seconds indication ":" is flashing. If not, check that you have enabled the function automatic.

7.1.3.1 ON or OFF function.

Set whether to switch on after several hours (ON) or switch off (OFF).

7.1.3.2 Selected Program.

Set the selected program from 1 to 5. The set temperature will be the one already selected from a previous operation.

7.1.3.3 Hours.

Set the number of hours to wait from 1 to 99.

7.1.3.4 Enable timer function.

This function is essential because if in the disabled position (No Abil) the system will not perform the on or off function.

7.1.4 Operation Mode Selection.

Selection of manual or automatic mode, with relative weekly programmer control and programmed on or off timer. Use the PROG + and PROG keys to select the mode, then press SET to confirm and exit. The selection can also be made using the AUTO button, very simply, without entering the menu.

7.1.5 Thermostat mode.

Press SET to change the operating mode for temperature control or automatic switching on and off.

7.1.5.1 Internal Thermostat.

Operating mode that adjusts the operation of the stove based on the detected room temperature. The stove is switched on both manually and automatically with the programming of the built-in weekly programmer or internal timer. The power of the stove is automatically controlled according to the set temperature, optimizing the heating with considerable savings of pellets.

7.1.5.2 External Thermostat.

An external contact thermostat can be connected to the stove. If the contact is closed the set temperature is lower than the room temperature, vice versa with the contact open the set temperature is lower than the room temperature. The stove will check this contact and regulate the heating function in relation to the set value. Switching on and off will always be manual or by means of a weekly programmer or internal timer.

7.1.5.3 External Chrono Thermostat.

It is possible to automate switching on, switching off and temperature regulation by means of an external chronothermostat with pure closing contact as an alternative to the internal programmer. With the contact closed, the set temperature higher than the room temperature, the stove will switch on, if off, while with the contact open, the set temperature lower than the room temperature, the stove will gradually drop to minimum power until it switches off. However, it will be possible to change the power manually and control the stove from the panel. If the stove is switched off manually, re-ignition must be manual. The stove will re-ignite automatically only if the closed contact reopens and then closes again.
This input can also be used to switch the stove on or off by means of a manual switch with preset power.

7.1.5.4 GSM.

Set GSM operating mode if it is necessary to connect a GSM dialer to the stove for remote switching on or off. In this mode it will not be possible to switch the stove on or off either manually or automatically via the built-in weekly programmer or timer. To manually control the stove, the internal thermostat mode must be set from the panel. As for the power, if the room temperature exceeds the temperature set by the panel, it gradually decreases to the minimum power. This allows to keep the room temperature constant with considerable savings of pellets.

7.1.6 Stove parameters.

Pressing SET you enter to modify the main parameters of the stove such as pellet loading, smoke extractor speed, room air fan and room temperature correction. Using the TEMP + and TEMP- keys, it is possible to modify the stove settings as a percentage to correct operation based on the pellets used. Then press SET to confirm the modified parameter and save it in the memory. To scroll the parameters use the PROG + and PROG- keys. To exit the menu, press the STOP key.

7.1.6.1 Loading Pellets.

Allows you to increase or decrease all load parameters by a percentage value from -50 to + 50%.

7.1.6.2 Fume Extraction

It allows you to increase or decrease all the fume extraction parameters by a percentage value from –50 to + 50%.

7.1.6.3 Ambient Fan

It allows you to increase or decrease all the air ventilation parameters by a percentage value from –50 to + 50%.

7.1.6.4 Ambient temperature

It allows to correct the temperature detected by the ambient probe in order to calibrate it according to the installation site and the user's sensation. Tr indicates the real temperature read by the probe, Tc indicates the correct temperature and Fc the corrective value that can be modified from the keyboard. The temperature displayed and used by the (Tc) card will be calculated from formula Tr + Fc.

7.1.6.5 Select Message Language

It is possible to select a language for the messages on the display among Italian, English, French, German and Spanish. Additional languages are on request. The selection starts using the + keys and - schedule.

7.1.6.6 Latest Error Log.

The menu allows you to review the last errors recorded by the card accompanied by the date and time of the event, as well as a brief description.

7.1.6.7 Service Info.

The menu gives useful information to reach assistance via phone, web or email.

7.1.6.8 Ducted.

In this menu, if provided by the hardware, the external or ducted fan can be manually changed from 0, off, to 5, maximum speed. In any case, it will work if the fumes temperature, and therefore the stove, is at the temperature set by the fan motor parameters.

8 Diagnostic Errors

During operation, if the system detects an anomaly, the stove is switched off, following the cooling cycle, and an error message appears on the display which will only be deleted manually. Even if in automatic operating mode, the stove waits for the alarm reset command for acknowledgment. The errors displayed are as follows:

8.1.1 Error 1 Ignition failure

If after an ignition cycle the stove does not reach the minimum operating temperature, the cycle ends with an error and the system proceeds with a programmed cooling. This could be due to lack of fuel, dirty crucible or dirty igniter or defective.

8.1.2 Error 2 Fume suction motor fault.

If during operation the fume extraction motor does not maintain the programmed speed, the cycle ends with a system error and proceeds with a programmed cooling. (only if suction sensor present).

8.1.3 Error 3 Fume suction circuit fault.

If during operation the system detects insufficient air intake, the cycle ends with a system error and proceeds to a programmed cooling. This error is common both for use with a pressure switch or suction sensor. (Only if suction sensor here I'm).

8.1.4 Error 4 Water Temperature

If the water temperature reaches 80 ° C during operation, the stove switches off, signaling this anomaly with error 4.

8.1.5 Error 5 No pellets

If during operation the combustion chamber temperature drops below the specified limit. The cycle ends with a system error. This may be due to lack of fuel or fuel delivery block.

8.1.6 Error 6 Pressure switch alarm

If the pressure switch is activated due to insufficient vacuum in the fumes suction, the cycle ends heating with error 6. This could be caused by an obstruction in the suction or expulsion of the fumes.

8.1.7 Error 7 Safety Thermostat.

If the safety thermostat trips during operation, the pellet loading is automatically stopped, the stove ends heating with error 7.

8.1.8 Error 8 No mains voltage.

If the power supply fails during any phase of the stove operation, when it returns, the mains power failure alarm is signaled and the stove switches off.

8.1.9 Error 9 Smoke motor alarm.

During the heating phase the fumes motor is monitored, in the event that its speed drops below a minimum speed, the stove goes into error due to a malfunction of the fumes extraction motor and goes directly to cooling at maximum speed. This drawback may also be due to the ash deposited in the flue gas pass and due to the lack of scheduled maintenance.

8.1.10 Error 10 Overtemperature alarm.

This function is enabled by system parameter 61. The temperature of the board is monitored and if the latter exceeds 70 for more than 3 minutes, the stove goes into cooling due to overheating.

9 Electrical Component Test.

By pressing the STOP and PROG + (or SET and PROG +) keys simultaneously until the COMPONENTS TEST menu appears, it will be possible to check the operation of the electromechanical components. Pressing SET you enter the submenu by scrolling with the PROG + and PROG- keys.

9.1.1 Auger Motor

Pressing SET activates the auger motor.

9.1.2 Fume Extractor

Pressing SET starts the fume extractor motor. During operation, the rpm value detected by the encoder, if present, is displayed every 5 seconds.

9.1.3 Ambient Fan

Pressing SET starts the room air fan.

9.1.4 Igniter

Pressing SET activates the igniter

9.1.5 Optional Ducted Fan

Pressing SET activates the optional ducted fan

9.1.6 GSM output

Pressing SET activates the GSM control relay

9.1.7 Output 2

Pressing SET activates the auxiliary output relay 2 (OPTIONAL)

9.1.8 Exit 3

Pressing SET activates the auxiliary output 3 relay (OPTIONAL)

9.1.9 Probe Temperatures

The temperatures of the Ambient (Ta), Fumes (Tf) probes, auxiliary water pump probe (Th) and internal compensation board (Tj) are displayed.

9.1.10 Electronic Flow Sensor (OPTIONAL)

The data of the electronic flow sensor temperature sensor (Tr), reference temperature (Ts) and numerical difference (NTC) are displayed. With the stove off, for a few minutes the numerical difference must be close to zero, while during normal operation it must have a value between 50 and 80. A high value corresponds to a problem of smoke intake or exhaust. If the value exceeds the limit set in code 42, the stove goes into error due to insufficient air intake. It is possible to reset the sensor value by pressing the TEMP + and TEMP- keys for about 5 seconds until the sound signal. This operation must be carried out with the stove off for at least a few minutes.

9.1.11 Inputs Situation

The situation of the digital inputs is displayed with a letter A (open) or C (closed). The inputs are GSM (Ig), chronothermostat (Ic) and pressure switch (Ip).

9.1.12 Hours worked.

The total working hours of the stove and the partial (resettable) hours from last are displayed support.

To reset the partial value, hours since last service, press the TEMP + and TEMP- keys for about 5 seconds until the sound signal and the hours since last service are reset.

9.1.13 Display of component speed and cycle phase.

This screen displays the auger speeds (Vc), fume extractor speed (Vf), room air fan speed (Va), set program (Pi) and cycle time in progress. This display is used to check the operation of the various components during the various stages of stove operation.

10 Panel functions.

10.1.1 Loading parameters from database.

Press the PROG + and PROG- keys for about 5 seconds to enter the reserved menu for loading parameters from the database. The parameters present are those reported in paragraph 12 [SYSTEM PARAMETERS]. Once the data to be loaded has been selected, press the SET key to execute the operation. At the end of the operation the panel will automatically exit the menu. This operation must be carried out by qualified personnel as an incorrect loading of the parameters will cause the stove to malfunction.

10.1.2 Keypad operation lock.

This function is used to block the operation of the stove from the keyboard and to control it only using the remote control. It is activated by pressing the TEMP- and PROG- buttons for about 20 seconds. The keypad lock activated display will confirm the operation. To unlock the keyboard, proceed in the same way.

11 Stove functions.

11.1.1 IDRO PLUS Par. 65,66,67,68,69.

This function allows you to manage the operation of a boiler.
By setting parameter 65 to 1, the room probe becomes the water temperature probe and the power regulation will no longer take place manually but in a fixed manner by modulating the power on the basis of the water temperature itself. It will not be necessary to install the second probe.

The settings are as follows:

- The user will only be able to set the water temperature normally from panel.
- The maximum water temperature can be set in parameter 66. 5 degrees before the set limit, the stove will start modulating the power, limiting the heating. If the temperature exceeds the set limit, the stove will go into cooling with an error code 04 Water Temp.
- The fixed working power can be set in parameter 67.
- The maximum temperature setting limit can be set in parameter 68
- The power modulation delta T for safety, before the maximum water temperature can be set in parameter 69

11.1.2 FUME ENGINE WAITING TIME Par. 70.

This parameter allows the fumes motor to be stopped for a time from 1 to 250 seconds during the ignition phase. Immediately after the brazier cleaning phase during ignition, the fumes motor and the relative controls will stop for the set time. If parameter 70 is set to 0 the function is disabled.

12 IR remote control (Optional).

The system requires the use of the optional IR remote control and can be installed at any time. The remote control allows the stove to be switched on and off remotely. Before use, it is necessary to memorize the remote control code. This operation is carried out directly from the stove panel without the aid of any tools.

12.1.1 Saving code.

Press the PROG + and TEMP + buttons for about 5 ”until the message“ IR REMOTE CONTROL ”is displayed. At this point, direct the remote control towards the panel and press any of the buttons present. A beep will notify you that you have done it correctly the operation.
Exit the menu with the STOP key and try to control the stove.

13 System Parameters.

To access the modification or reading of the entered parameters, press the STOP and PROG- or SET and PROG- keys until the STOVE PARAMETERS menu appears. By pressing SET you enter the submenu that allows you to select the parameter using the PROG + and PROG- keys and modifying the value using the TEMP + and TEMP- buttons. Pressing SET will save the modified value in the non-volatile memory on the board. To exit the menu, press the STOP key. To load the database it is necessary to enter the reserved menu by pressing the STOP and TEMP- key until the selection menu appears. Modify the database by pressing the TEMP + and TEMP- keys, load the relevant database by pressing the SET key.

Code Parameter	Description	**LS6 6KW 01**	**LS8 8KW 02**	**LS12 12KW 03**	**ICP11 12KW 04**
1	% On Auger Power 1% On	30	25	25	30
2	Auger Power 2% On	32	28	35	32
3	Auger Power 3% On	37	33	47	35
4	Auger Power 4% On	40	39	56	39
5	Auger Power 5	45	45	62	45
6	% Auger Corrective Factor	0	0	0	0
7	Auger cycle time	60	60	60	60
8	% Vent speed Air Power 1%	49	49	49	49
9	Vent. Air Power 2% Vent. Air	54	54	54	54
10	Power 3% Vent. Air Power 4%	59	59	59	59
11	Vent. Air Power 5% Correction	64	64	64	64
12	Factor Vent. Air% Speed Asp.	90	90	90	90
13	Fumes Power 1% Asp. Fumes	0	0	0	0
14	Power 2% Asp. Fumes Power 3%	210	210	195	190
15	Asp. Fumes Power 4% Asp.	220	220	205	200
16	Fumes Power 5% Asp. Smoke	230	230	215	210
17	Maximum Smoke Temp. Power	235	245	225	220
18	1 Maximum Smoke Temp.	245	255	235	230
19	Power 2 Maximum Smoke	0	0	0	0
20	Temp. Power 3 Maximum	150	150	150	150
21	Smoke Temp. Power 4	180	180	180	180
22	Maximum Smoke Temp. Power	190	190	190	190
23	5 Stove Power In Ignition Stove	200	200	200	200
24	Power Cleaning Brazier	215	215	215	215
25		1	1	1	1
26		2	2	2	2
27	Smoke temperature Air fan on Smoke	90	90	100	100
28	temperature Air fan off Brazier Cleaning	85	85	85	85
29	Time Ignition Minutes Brazier Cleaning	1	1	1	1
30	Time Ignition Seconds Brazier Cleaning	30	30	30	30
31	Time Cycle Minutes Brazier Cleaning Time	0	0	0	0
32	Cycle Seconds Waiting Time Brazier	30	30	30	30
33	Cleaning Cycle Minutes	30	30	30	30

34	Waiting Time Brazier Cleaning Cycle	0	0	0	0
35	Seconds Temperature Difference Stove On	5	5	5	5
36	Smoke Temperature Stove Off	70	70	70	70
37	Time Stop delay Asp. Fumes Minutes Time	10	10	10	10
38	Stop delay Asp. Fumes Seconds Maximum	0	0	0	0
39	number of ignitions	2	2	2	2
40	Switch-on time Minutes proportional pellet loading	10	10	10	10
41	Ignition Time Seconds proportional pellet loading	0	0	0	0
42	NTC difference Error 3	150	150	150	150
43	Maximum smoke temperature	220	220	220	220
44	Minimum Smoke Temperature Error	85	85	85	85
45	5 Hours Service Message (value must be multiplied x 10) 0 = disabled 90 = 900 hours	90	90	90	90
46	Code Parameters L	0	1	2	3
47	Time Pellet loading Ignition fixed preload	130	130	130	130
48	Corrective Factor Ambient Temperature	0	0	0	0
49	Working Temperature Water Pump	50	50	50	50
50	System Indicators	0	0	0	0
51	GSM set power	2	2	2	2
52	Power On Mode 0 = Precharge 1 = Proportional	1	1	1	1
53	Adjustment mode 0 = Normal 1 = Slow	0	0	0	0
54	Time to check temperature parameters.	30	30	30	30
55	Smoke Exhaust Fan Speed in Ignition 1 = min 6 = Max	4	4	4	4
56	LCD mode LCD Always On = 1 LCD turns off after 20 ”= 0	1	1	1	1
57	Fixed additional load after Error Lack of Pellets	0	0	0	0
58	Corrective Factor NTC Sensor Enable	0	0	0	0
59	Suction Sensor You smoke. Enable if you use the sensor to purposes of control the air intake. Absent = 0, Present = 1	0	0	0	0
60	Enabling hardware control of fumes motor with encoder. If the encoder (1 pulse / revolution) is present in the fume extraction motor, the number of revolutions / motor can be set for each single speed of the engine from 10 (100rpm) to 255 (2550rpm) Absent = 0, Present = 1	1	1	1	1

61	Board temperature control Not Enabled = 0 Enabled = 1	1	1	1	1
62	Delta T Pellets Economy Function. See paragraph 6.1.8. If set to 0 the control comes disabled.	0	0	0	0
63	Flue motor phase shift coefficient Motor without capacitor = 0 Motor with capacitor from 0 to 80 depending on the type of motor.	0	0	0	0
64	Braking motor for loading pellets. Without braking = 0 With braking = 1 IDRO	1	1	1	1
65	PLUS function By setting the value to 1 it is possible to use the room probe input as the only water probe. The power modulation will therefore take place on the basis of the water temperature. See par. 11.1.1	0	0	0	0
66	Maximum water temperature IDRO PLUS function See par. 11.1.1	80	80	80	80
67	Power Work IDRO function PLUS See par. 11.1.1	5	5	5	5
68	Maximum adjustment limit IDRO PLUS water temperature setting See par. 11.1.1	85	85	85	85
69	Delta t. modulation before alarm See par. 11.1.1	5	5	5	5
70	Fumes motor waiting time seconds Can be set from 0 to 250 seconds See par. 11.1.2	0	0	0	0
71	% Ducted Speed Power 1%	49	49	49	49
72	Ducted Speed Power 2% Ducted	54	54	54	54
73	Speed Power 3% Ducted Speed	59	59	59	59
74	Power 4% Ducted Speed Power	64	64	64	64
75	5 Code Display	90	90	90	90
76		0	0	0	0

14 SOFTWARE

All the operating parameters can be set and programmed using the Version S8 software. It will therefore be possible to store on the card different operating programs saved on the PC and recalled using the same software.

15 Declaration of Conformity.

DECLARATION OF CONFORMITY

2004/108 / EC

89/336 / EEC

2002/95 / EEC

CE

Builder:		DUEPI GROUP Srl
Address	**:**	Via Artigianato, 23 36030 Povolaro (VI)
Product	**:**	PELLET STOVE SHEET V8.XX
Serial No.:		
Optional	**:**	

Applied standards:

CEI EN 61000-6-3 2002-10
CEI EN 61000-6-1 2002-10

We hereby declare that the specified product complies with EEC directive 89/336 according to the applied standards.

We also declare that from 1 July 2007 the product in question complies with the ROHS directive and therefore will not contain concentrations in quantities exceeding the maximum allowed by the directive itself. The product must be treated as per WEEE management as it contains components that require separate management during disposal.