

SERVICE OF TERMAL PELLET BOILERS AND STOVES

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1 INTRODUCTION

The document presented before you is a manual for the product service (stoves and boilers) of Termal int d.o.o. In this connection, the document contains brief descriptions of individual product lines, working principles and basic components of the automatic regulation of the pellet combustion process. Products with the purpose of heating bio-fuels (pellets) can be divided into two basic groups:

1. Stoves

2. Boilers

Stoves are intended for warming the living space, but with their design they are intended also for installation in the mentioned space. According to the way the space is heated, or according to the method of heat transfer, obtained by combustion of pellets, the fireplaces can be divided into two subgroups:

1. **Dry stoves** (SIMPLE and STANDARD series) the surrounding area is heated only by warm air.
2. **Hydro stoves** (KAMIN i EXCLUSIVE series) the surrounding area is heated by means of a central heating system, and a smaller part of the heat is emitted into the space in the form of heat radiation.

On the other hand, boilers are only intended for connection to the central heating system. The heat produced by combustion of pellets transmits only to the fluid of the heating system, are well insulated so as not to heat the heat in the surrounding area. They are installed in separate rooms (boiler rooms). According to the power or capacity of heating a certain volume of space, they are divided into two basic groups:

1. **Boilers with** power till 100 kW are intended for heating of residential and business premises up to about 900m² and average ceiling height about 2.5m.
2. **Industrial boilers** with power over 100 kW, intended for the heating of industrial halls, plants or for other purposes connected for other purpose as liquid water heaters (water or antifreeze).

Boilers whose pellet fuel is automated ie. The pellet burning process is controlled by a microcontroller built into the boiler control unit. Termal install the control units of the manufacturer Atech - Fumis, the so-called Alpha (40, 65, 75) depending on the characteristics of the boiler.

Managed by this manual are people who are primarily mentally and physically capable of performing service, have prior knowledge or work experience in the field of servicing and are authorized by Termal int. The service provider should have a developed ability to observe the details in order to prevent the occurrence of an error while handling this instruction.

2 ELECTROMECHANICAL PARTS

In order for the control unit to manage the pellet combustion process, it has to have properly set up and functional components that can be divided into two basic groups:

2.1 Sensors – senses

2.1.1 TC temperature sensor



The sensor is intended for reading the temperature of the exhaust gases. The end of the sensor with the metal shield is placed in the required position on the exhaust fan housing as in the picture above. In the event that the fan is mounted on an adequate flange (in some versions of the boilers), the sensor is placed in the provided hole on the flange, it is necessary to ensure sealing between the sensor and the flange with a high temperature resistant silicone.

2.1.2 NTC temperature sensor



NTC is a negative temperature coefficient resistor which is used to measure the temperature of the liquid in the boiler. It is inserted into copper tubes in the form of a tube in such a way that the end of the

sensor in the form of a cylindrical thickening is placed at the bottom of the tube only so that it makes contact with the copper surface. Attention should be paid when mounting the boiler liner so that the sensor does not move from the original position. It is recommended that when the sensor is placed in the capsule, it is closed with a small piece of glass wool or other sealed material that is temperature resistant in order to prevent the movement of the sensor during the installation of the coating in order to obtain the accurate information about the temperature of the liquid.

In the case of the SIMPLE and STANDARD fireplaces, this sensor is used to measure the temperature of the environment that is heated. In the case of a product with anti-condenser pump (from 50kW to more) beside the water temperature in the boiler, this type of sensor is used to measure the water temperature in the return line from the switch to the boiler.

2.1.3 Pressure switch



The pressure control is a safety pressure switch. It performs the function of protecting the device (boiler / stove) or people and objects that are in the immediate vicinity of the possibility of producing a fire due inadequate draft created in the combustion chamber. Substance is created when the air or flue gases are drawn through the flue pipe. The factory preset is set to activate contacts at a pressure of (Poff = 40 Pa; Mon = 60 Pa). It is connected with a silicon hose to the intended terminal located on the exhaust fan housing.

The error that can occur with this system on the boiler (the boiler does not go into a stable operating mode) is the silicon cord closing due to inadequate smoke, mechanical damage to silicon lines or the failure of the pressure switch itself.

2.1.4 Inductive position sensor



An inductive position sensor is a contactless sensor that has the ability to detect metal near the sensing head (about 2mm / max 4mm in front of the head surface). It is only installed in smart boilers and is an integral part of the mechanism of the mechanism with "self-cleaning burners". With it, the control unit counts how many times the burner executed the cycle of discharging the burner (factory 3 times) for one cleaning.

2.1.5 Microswitch



Microswitches is a contact sensor for the positioning of the cleaning mechanism for smart boilers on the older generation pellet. When the discharge cycles of the burner end the microswitch, it must detect that the burner is closed and ready to accept the initial dose of pellet for ignition.

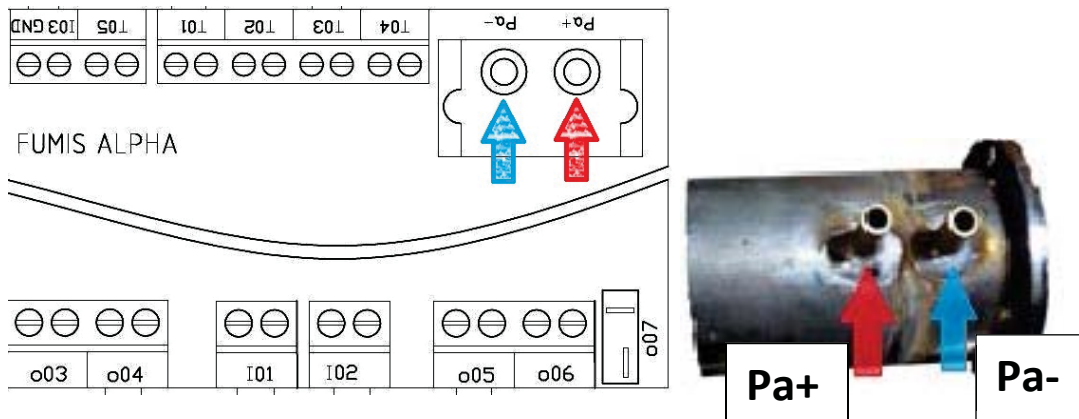
An error that can occur with this boiler system (boilers do not ignite) is the incomplete closing of the burner where the foreign body (ash, resin or pellet sticker) prevents proper closing, ie, the microswitch will not detect that the burner is closed and ready to operate.

2.1.6 Thermostat



The thermostat is a safety switch for the temperature of the liquid in the boiler. It performs the function of protecting the device (boiler / fireplace), the central heating system or people and objects that are located close to the boiler and heating installation due to overheating and the formation of a fire when the boiler temperature is exceeded. The factory thermostat is set to activate contacts at the maximum operating temperature of the device (fireplace / boiler) of 105°C. The probe thermostat is inserted together with the NTC temperature sensor in the copper coil located in the boiler body. The built-in thermostat has a bistable characteristic, ie. once the thermostat is activated due to temperature overrun, it remains active even when the temperature of the device falls. In this regard, when the cause of overheating of the boiler is eliminated, the thermostat must be manually reset by pressing the small pin located below the black protective cap most often on the back of the boiler.

- **Airflow sensor so-called "delta"**



The air flow sensor bases its work on measuring the pressure difference in front and behind the diaphragm on the suction line of the boiler. The sensor itself is located directly on the control unit and is connected with the diaphragm using two silicone hoses for Pa + and Pa-. Based on the obtained measurement results, the control unit optimizes the combustion process in a way that controls the speed of the suction and exhaust fans.

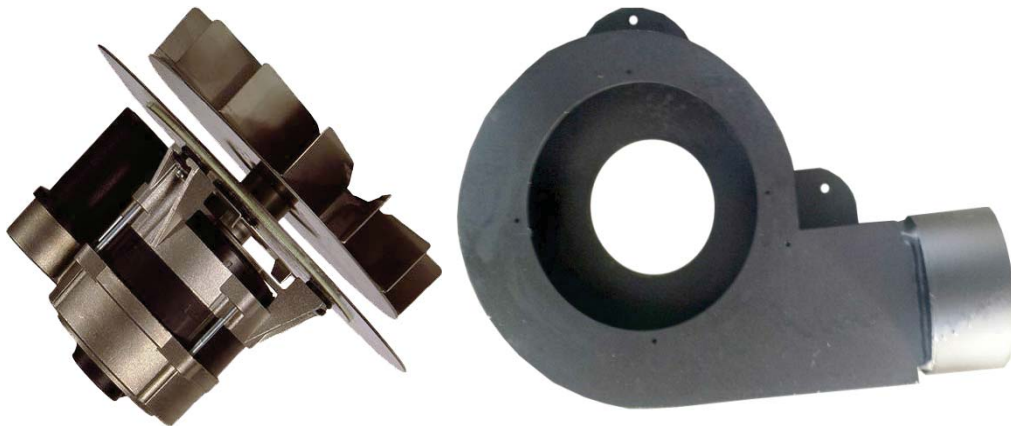
2.2 Actuators - executive devices

2.2.1 Heater



The heater is a device by which the incineration of the pellet or the first pellet dose in the burner is carried out. In all stoves and boilers, in addition to some industrial ones, identical 250W heaters are installed. They work at 230V AC. They are installed in the foreseen tube for which the end is in the bottom of the burner.

2.2.2 Fans



Fans are electric motors designed for supplying fresh air and extracting exhaust gases in the combustion process. The fans control the control unit by defining the fan speed of the output voltage on its windings. They are installed in flanges (the most common case) or as standalone air vents if the fan is designed with the housing. The second type of fan is a tangential fan that is installed only in the dry stoves of the series SIMPLE / STANDARD.



They have the function of removing heat from the warm surfaces of the stove and using the directional air to pass it over to the room. Its work can define a control unit in a way that automatically increases the speed of rotation in relation to the achieved temperature of the stove or that the user sets the fixed speed of rotation.

The service technician must pay attention and check that the ventilation direction of the fan, after installation and connection, is correct!

2.2.3 Dispenser-auger assembly



The dispenser assembly is characterized by the step of the spiral of the dispenser and the engine rpm speed (rounds per minute speed). Its function is transporting pellets from the tank to the burner where the combustion will take place. The amount of dosage pellet depends on the working time of the dispenser engine which is spiraled. The required quantity of pellets that is inserted into the burner is determined by the time of operation of the dispenser engine, i.e. it is in function from time (the control unit is operated during the operation of the engine of the dispenser) and therefore it must be ensured that **the spiral and the dosing motor are compatible with the current parameters of the boiler operating mode.**

For larger boilers, when a larger amount of pellets are required to burn, two dozen spiral circuits and two motors are produced. **The servicer should pay attention to the type and speed of the engine, and adjust the boiler operating parameters accordingly!**

2.2.4 Water pump



The pump is a device that enables or initiates the flow of liquids through the central heating system. In the KAMIN series and boilers up to 25kW, the factory is built into the boilers together with the expansion vessel and the safety valve. For other boilers it is necessary to install the pump and the expansion vessel at a later stage. The pump also controls the control unit and in most cases (other than industrial boilers) directly connects to the same. The pump is 93W and 230V 50Hz.

Some boilers of 50 kW and more have a built-in anti-condenser pump that allows circulation or mixing of water in the boiler itself. It also controls by control unit and is directly connected to it. When installing the pump, the service technician should pay attention to the direction of flow of the liquid, ie, to achieve fluid flow from the switch to the bottom of the boiler.

3 ELECTRIC CONNECTION SCHEMES

The electrical connection diagrams of the device to the control unit differ in the basic series of boiler-stoves. The connection principle is similar but the differences come with the expansion of the control unit's system for connecting multiple devices. If we look at the statement markings on the control unit, we will see the following:

1. TOX tags - indicate terminals for connecting a sensors (TC, NTC);
2. IOX tags - means terminals for connecting protective **switching** devices (STB, PSW);
3. OOX tags - indicate terminals for connecting output devices (gear motors, Heater);

Errors made during connection of the device by failure to comply with these markings can lead to permanent damage to a particular item or in the case of a control unit.

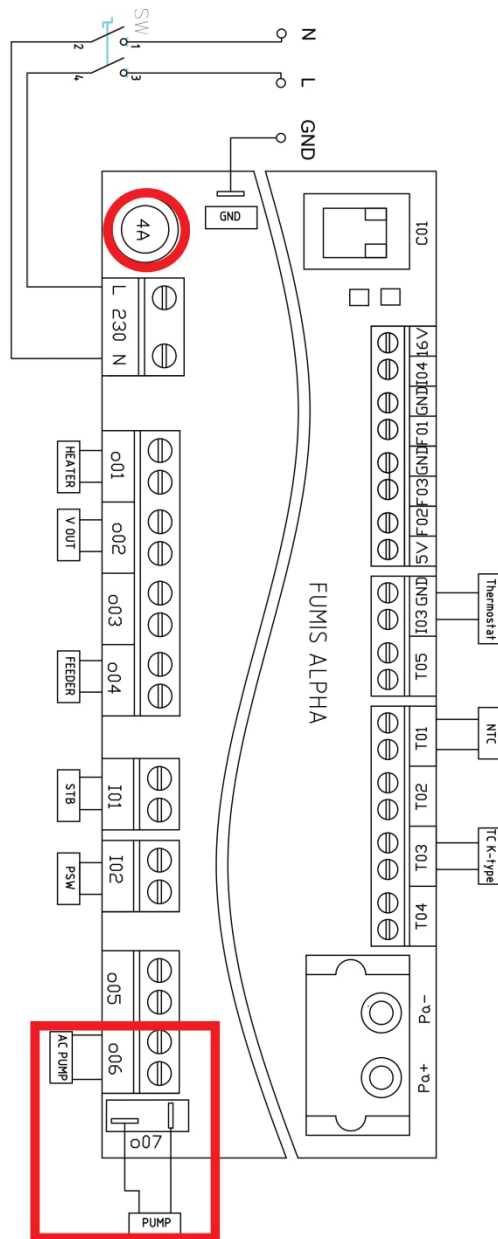
Connection schemes for individual series of boilers / stoves will be shown in further text.

Important note:

In the middle of 2021, an improved version of the ALPHA75_V2 controller was implemented.

The mentioned controller changes the previously used ones (Alpha65 and Alpha75). The following has been replaced:




1. The fuse is no longer on the electronics but on the Euro socket where the power cord is plugged
2. Switching points of the heating pump and anti-condensation pump in all boilers according to the figure below:



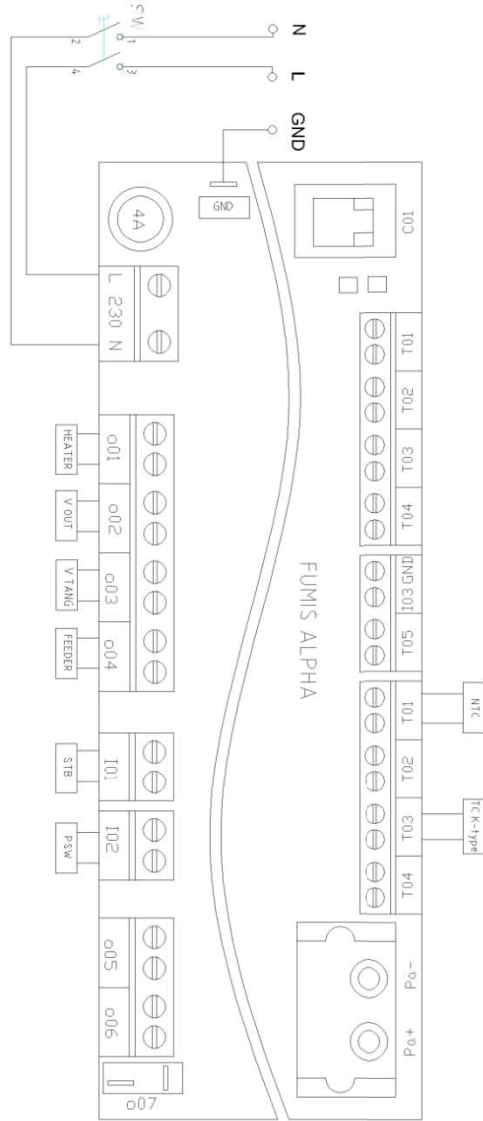
How to recognize the Upgrade Controller:

The boiler on which the controller has been changed can be checked by looking at the declaration from the boiler and at end of the serial number it will say -V2

Example in the picture below:

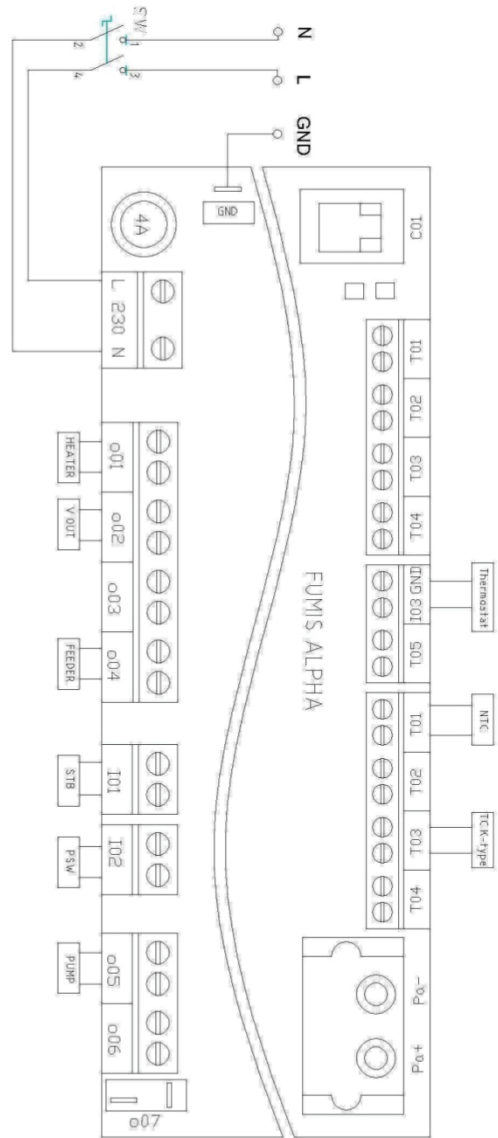
		
Cara Dušana 24, 75240 Lopare Bosna i Hercegovina	Type: / Tip: Kamin 20	
Product name / Naziv proizvoda Fireplace pellet / Kamin na pelet	Production number / Proizvodnji broj T421200103-V2	
Year of production / Godina proizvodnje 2021	Heat output range / Opseg nazivne snage 6 - 20 kW	
Boiler class acc. EN 303-5/ Klasa kotla prema EN 303-5 5	Water content / Zapremina vode 36 lit.	
Nominal hear output / Nominalna toplotna snaga 20 kW	Max. allowable operating pressure PS / Maks. dozvoljeni radni pritisak PS 2,5 bar	
Max. allowable operating temperature TS/ Maks. dozvoljena radna temperatura TS 80°C	Test pressure PT / Ispitni pritisak PT 3,6 bar	
Empty weight / Težina praznog kotla 205 kg	Electrical power / Električna snaga 350W	
Fuel class / Klasa goriva C1 Pellet / Pelet	Rated voltage / Naznačeni napon 230V	
	Rated frequency / Naznačena frekvencija 50Hz	
MADE IN EUROPE		

SIMPLE/STANDARD:



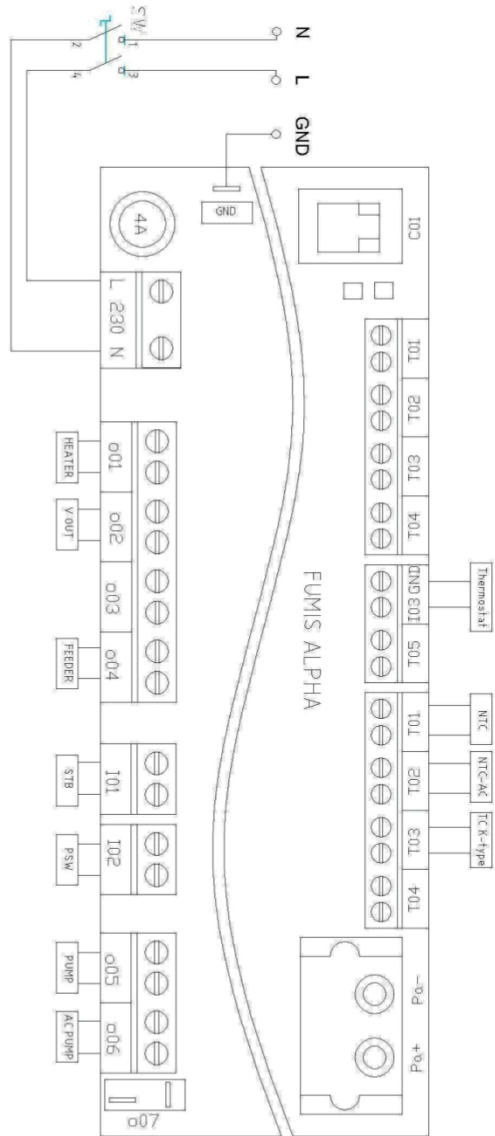
V TANG	Tangential fan - ambient		
P SW	Pressure switch		
SW	Switch		
AC PUMP	Anti-condensable pump		
V IN	Motor (air fan)		
V OUT	Motor (flue fan)		
STB F	STB Feeder		
	Doburn	ima /prozine	Palpa
Konstruisao	11.03.2019	Edin Hodžić	
Crtao	11.03.2019	Nusret Barać	
Okidhio			
Modelo	Naziv sklopa		Broj crteza
	SIMPLE, STANDARD		I

- KAMIN/COMPACT/SM_ECO 35 kW:



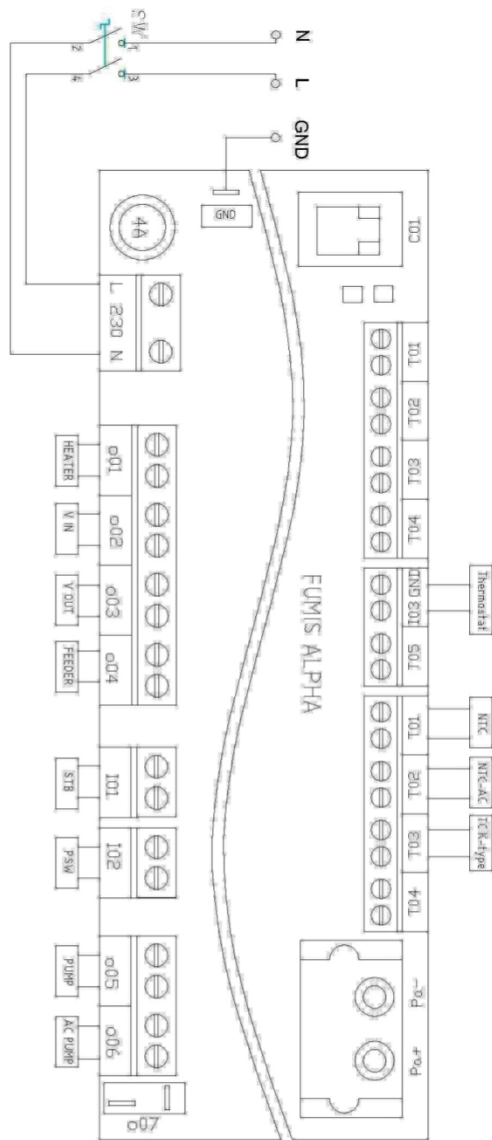
PSW	Pressure switch		
SW	Switch		
AC PUMP	Anti-condensate pump		
V.IN	Motor (air fan)		
V.OUT	Motor (flue fan)		
STBF	STB Feeder		
	Delum	line /prezerna	Polje
Konstruktor	11.03.2019	Edin Hodžić	
Orlovo	11.03.2019	Nurzet Bardić	
Odobeno			
Mjesto	Naziv sklopa		Broj crteža
	KAMIN, COMPACT, SM_ECO 35 kW		II

- SM ECO 50 – 70 kW ,with only one fan (smoke extraction):



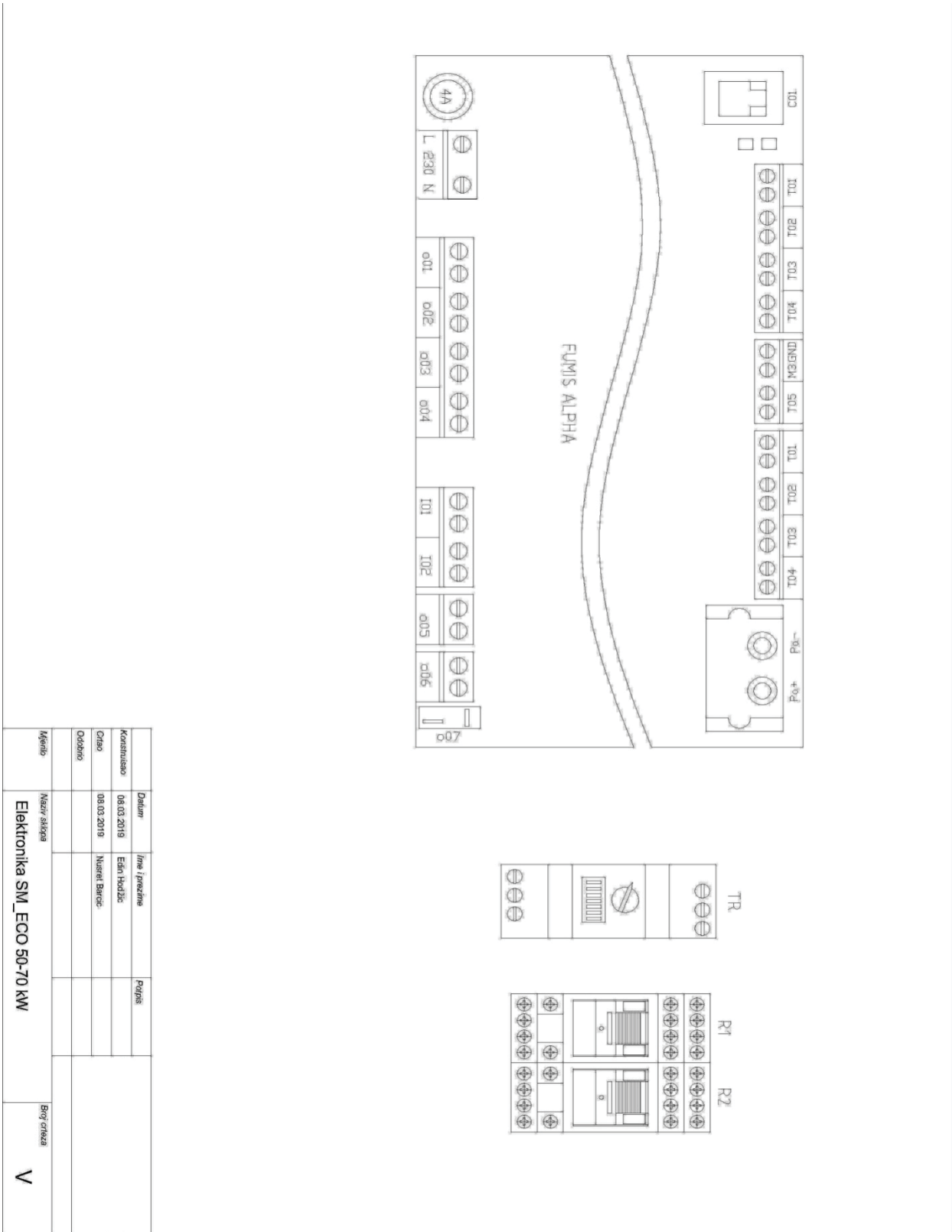
NTC-AC	NTC sensor Anti-condensate pump
PSW	Pressure switch
SW	Switch
AC PUMPE	Anti-condensate pump
V IN	Motor (air fan)
V OUT	Motor (flue fan)
STB F	STB Feeder
Delum	line /prezime
Konstruisao	Eđin Hodžić
Ornao	11.03.2019
Odeđno	Nusret Bardić
Mjeđno	Nasir skopić
	SM_ECO 50 - 70 kW (one fan)
	Boj ornaza
	III

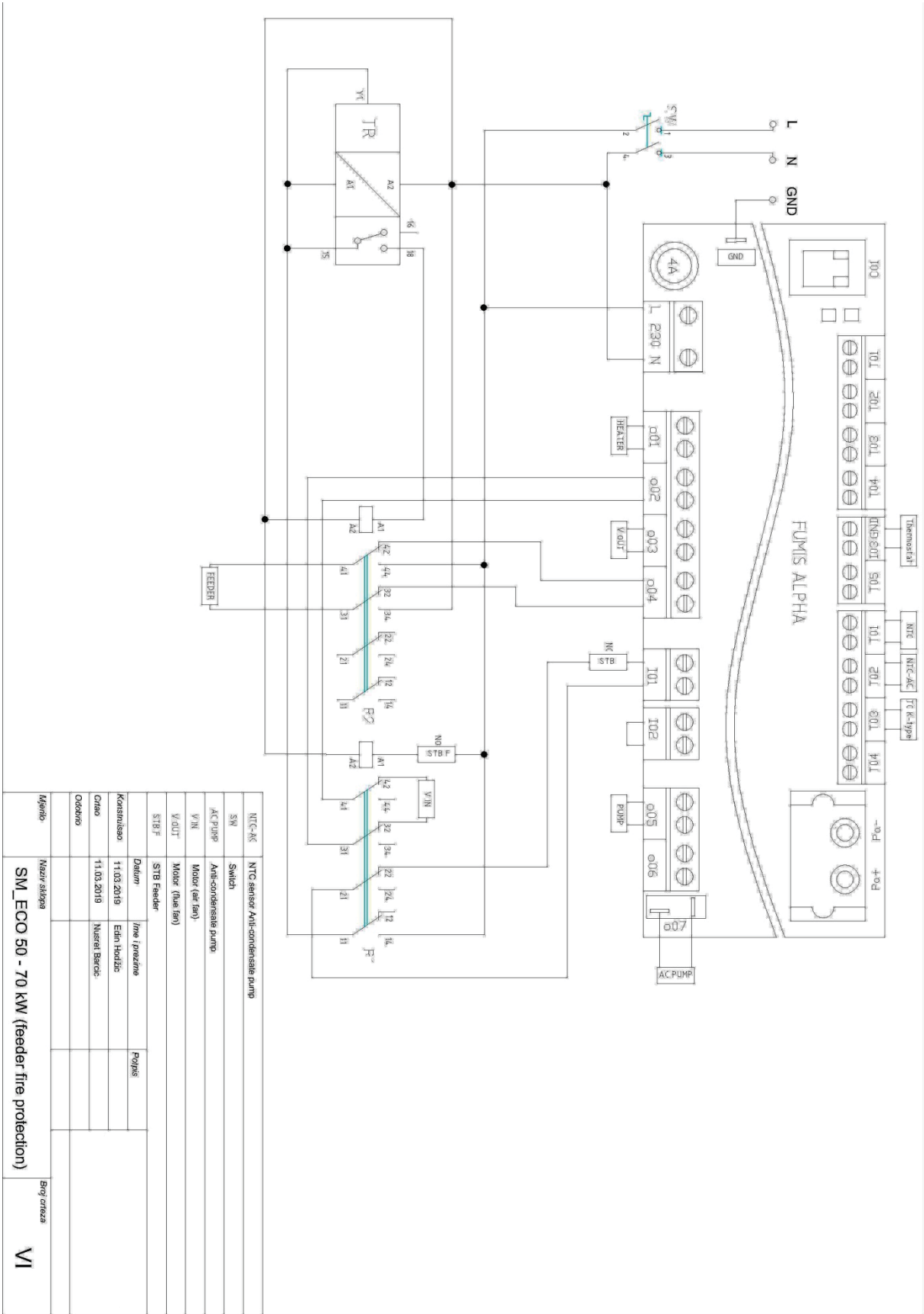
- SM ECO 50 – 70 kW , with two fans primar air and smoke extraction):



P.S.W	Pressure switch	
SW	Switch	
AC PUMP	Anti-condensate pump	
V IN	Motor (air fan)	
V OUT	Motor (flue fan)	
STBF	STB Feeder	
	Dotum	Ima izvezine
Konstruktor	11.03.2019	Eduin Horžić
Češnik	11.03.2019	Nisreka Barčić
Okolnost		
Maslo	Naziv sklopca	Brig crteža
	SM_ECO 50 - 70 kW (double fan)	IV

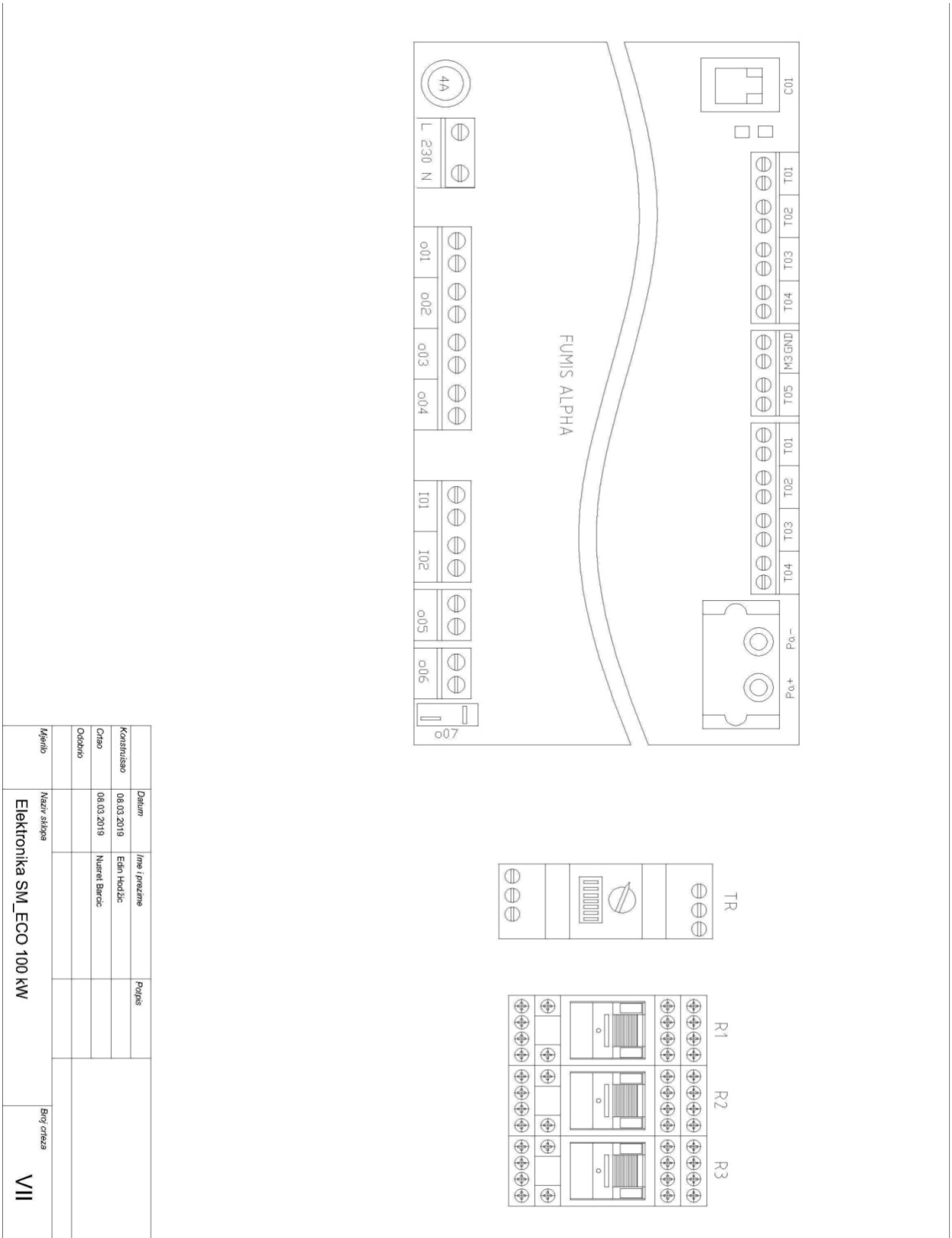
- SM ECO 50 – 70 kW with dosing auger overheat protection:





VI

- SM ECO 100kW and higher:



4 PROGRAMMING BOILERS WITH A MANUAL UNIT

For the programming of boiler control units in the field, a handy device is used so-called. "Manual programmer". It contains the complete programs necessary for programming various boiler models produced by the company Termal int d.o.o. In the programmer's package, a connection cable is provided by which the programmer binds to the boiler control unit as well as the list of addresses of previously stored programs for the respective programmer.



It is necessary to switch off the original display of the boiler from the control unit, switch the cable coming with the programmer to one end in the control unit and at the other end into the programmer for the intended connectors (on the **control port**).

After connecting and starting the control unit, if everything is correct, "01.01" appears on the display of the programmer. The tag represents the location of the program in the programmer's memory. The first part of the tag in this case **01** - represents the serial number of the folder, and the second part of the tag behind the point **.01**- represents the regular file number in the selected folder. **Press UP, DOWN to scroll through the program list menu, and press ENTER - to select the program to be transferred to the control unit.**

Programs for different types of boilers are arranged in folders (first mark), and the file program itself (second tag) is always under the serial number 01.

REMARK: The list of program serial numbers is **valid for one programmer only**, so it is forbidden to use another list from a colleague of the service who does not belong to the original programmer. In case of losing the list of programs, it is necessary to contact Termal service department that can issue identical.

For example, we want to program the boiler with the program according to the list of programmers 02. We connect the programmer, blink our first tag ... to **UP** we select the folder 02. Press the ENTER button to select this folder, blink the second mark 01. Always 01 is the first file of the program we need Select any folder. Then, with the ENTER key again, we select the file.

When we have finished selecting the program, the **Load** indicator will appear on the display of the programmer and the LED above the CONT will be active.

Confirm again with ENTER will appear loading display (tag in the form of vertical bars). This indicates that the program is loaded into the control unit. After filling in the display (two lines of dashes), the PASS tag appears. Again, confirm with ENTER, on the display will write Load which is the end of one program load process. We turn off the programmer, we return the boiler display connector to the original location on the control unit and thus we have finished the boiler programming.





5 SERVICE SETTINGS

The boiler from the factory is delivered with a program of pre-defined operating parameters which after manual change can no longer be easily returned to the factory settings except for reprogramming, so do not change the operating parameter if it really is not necessary.

The service menu is locked to prevent access to unskilled curious people.

5.1 Access to the service menu

After switching on the control unit and starting the display on the display, we click on the stalk right until the service mark is activated (the last diode in the upper right corner) as in the picture below



Click on the button (+) until we reach the last number, for example, this is number 8.



After that, the following screen will appear



Click on the **ENTER** button.

We'll get four numbers. (numbers are randomly generated, that is, with each unlock, there will be other numbers)



It is necessary to collect four numbers and increase their sum by one. In our case:

$3 + 4 + 2 + 4 = 13$ and when 1 is added, the result is 14. Click ENTER and the following screen will appear



Use the button (+) increase the number to the value of the results (14)



Then, pressing ENTER again, we will see the next display:



By this we unlocked the service menu and now we can perform certain checks or modifications. The service menu will be locked again after half an hour of inactive operation or if the control unit is reset to the main switch located on the back of the boiler.

5.2 Setting operating parameters

When we unlock the Service Menu, we can access the operating parameters of the boiler.

We press the (+) button until we reach number 8 (in the older versions of program 7) and after a second we will see the Par (parameters):



Clicking again ENTER will show the zero parameter parameter P000, the (+) and (-) keys are selected which parameter we want from P000 to P0105. After that, pressing ENTER will show the value of the parameter, which we increase or decrease with the (+) and (-) keys. After the correct value is set, pressing the ENTER key will save the parameter value.



When we have adjusted the whole parameter with the BACK button in the top left corner, we return to the home screen.

5.3 Other settings in the service menu

The service menu includes settings for thirteen items, of which the first seven or eight (1-7 or 1-8 dependent on the software) are unlocked while the others are from 7 or 8 to 13 are locked. We have explained access to locked settings in the chapter "Accessing the service menu". We will further describe and explain the specific functions of the service menu item.

SETTING NR.	MARK	VALUE	MEANING	DESCRIPTION
[1]	-----	OFF Lo Hi	Disabling user settings changes - lock the display	-----
[2]	-----	OFF, 1, 2, ... 5	Adjusts the brightness of the display	OFF-off illumination in idle status
[3]	-----	1, 2, 3	Adjust the background information on the display	1 hour / temperature 2-temperature 3- hour
[4]	-----	1, 2, ... 5	Volume of sounds of the keys and warnings	-----
[5]	-----	°C ; °F	Temperature measurement unit	-----
[6]	-----	Info	-----	-----
[7]	-----	ON; OFF	Unlock / Lock service settings	-----
[8]	PAr	P000 – P105	Setting the operating parameters	-----
[9]	din	i01;.... i04	Check digital input status	(STB; Pressure switch...etc)
[10]	Ain	t01; ... t05; Press	Check the status of analog inputs	T-of smoke gasses, T-of water, Pressure.
[11]	dout	o01; ... o07	Manually turn on / off	Outputs with voltage

			individual outputs	regulation are set from 0-255
[12]	Sc	-----	Reading interval of operation, the ignition, turning off the boiler, etc.	-----
[13]	Logs	-----	-----	-----

6 First ignition of the boiler

The boiler must be inspected and commissioned by an authorized service technician only so that the guarantee for the boiler is valid. The service technician should check all necessary items before and when commissioning the boiler to ensure that the boiler is properly installed and functioning impeccably. For this purpose, Termal int is issuing Check Lists for authorized repairers, which the service technician must fill in when commissioning the boiler to work with the users. An example of such a list is shown in the pictures below

	CHECK LIST FOR FIRST IGNITION OF BOILER	ECO SM Regulacija
		Page 1 of 2

Model _____		Serial number _____	
Check the boiler connection			
Check description	YES	NO	Comment
Boiler Connected to a power supply 230 V, 50 Hz (max. Deviation ± 5%) with mandatory ground connection	<input type="checkbox"/>	<input type="checkbox"/>	
The safety valve of the pressure is mounted according to the regulations (before the valve)	<input type="checkbox"/>	<input type="checkbox"/>	
The boiler is installed in such a way that enough space for uninterrupted operation and servicing is provided	<input type="checkbox"/>	<input type="checkbox"/>	
The boiler room has a fresh air supply. Boilers up to 50 kW - min. 30x10 cm; over 50 kW - min. 30x20 cm	<input type="checkbox"/>	<input type="checkbox"/>	
The boiler is connected to the chimney (minimum vacuum 5 Pa -0.05 mbar, recommended 12 Pa-0.12 mbar)	<input type="checkbox"/>	<input type="checkbox"/>	
Flue connection made according to the regulation length (the length must not exceed 3 m horizontally)	<input type="checkbox"/>	<input type="checkbox"/>	
Pump power max 300 W (if it is larger to make the connection via relay or switch)	<input type="checkbox"/>	<input type="checkbox"/>	
Boiler room meets adequate conditions (No excessive moisture, water, no stored flammable materials)	<input type="checkbox"/>	<input type="checkbox"/>	
<small>* Possibility of condensation</small>			
The part of the chimney that comes out of the building is adequately heat-insulated	<input type="checkbox"/>	<input type="checkbox"/>	
In case of connection of the boiler with the storage tank, the installation of the mixing valve is mandatory			<input type="checkbox"/>
Remark:			

All items must be marked with YES, otherwise the warranty does not apply.

Oznaka: LFT-14/1	Izdanje broj: 01
------------------	------------------

Note: A copy of the completed form is retained by the user and a second copy is attached by the service agent to the work order and warranty card.

		CHECK LIST FOR FIRST IGNITION OF BOILER		ECO SM Regulacija
				Page 2 of 2
Check the boiler operation				
Check description	YES	NO	Comment	
Completed filling of spiral auger/dispenser with pellets	<input type="checkbox"/>	<input type="checkbox"/>		
The combustion vessel filled to the top of the heater after 2.5 min	<input type="checkbox"/>	<input type="checkbox"/>		
The boiler ignited pellets	<input type="checkbox"/>	<input type="checkbox"/>	The duration of the ignition: _____minuts	
The pump is turned on at 65°C	<input type="checkbox"/>	<input type="checkbox"/>		
The boiler reduces the power of 5°C before the set temperature (modulates) as it approaches the set temperature	<input type="checkbox"/>	<input type="checkbox"/>		
The boiler turn off after reaching the set temperature.	<input type="checkbox"/>	<input type="checkbox"/>		
The boiler goes back to the ignition stage after the temperature drops below 15 ° C below the set point	<input type="checkbox"/>	<input type="checkbox"/>		
<small>* Testing only if the * acc container is connected</small>				
The boiler is switched off at the specified temperature of the storage tank (acc container max)	<input type="checkbox"/>	<input type="checkbox"/>		
<small>* Testing only if the * acc container is connected</small>				
The boiler is turning on at the specified temperature of the storage tank (acc container min)	<input type="checkbox"/>	<input type="checkbox"/>		
Check all openings on the boiler - doors, lids, nuts, in the correct condition	<input type="checkbox"/>	<input type="checkbox"/>		
Boiler put into operation / Boiler repaired	<input type="checkbox"/>	<input type="checkbox"/>		
The user has undergone basic work training and boiler control	<input type="checkbox"/>	<input type="checkbox"/>		
Note, remark, suggestion:				
*accumultion tank				

By its signature, the user agrees with all of the above and declares that there is no ambiguity with the operation of the boiler

Date: _____._____.201__ zear. User: _____
Print first and last name

Service technician: _____ Signature of the user: _____

Oznaka: LFT-14/1 Izdanje broj: 01

Note: A copy of the completed form is retained by the user and a second copy is attached by the service agent to the work order and warranty card.

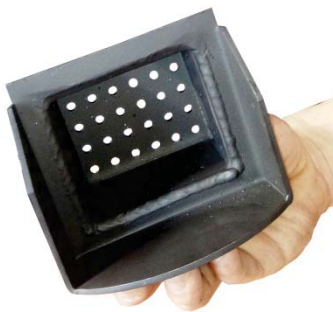
7 A sample of factory-PERFORMANCE PARAMETERS

It is important to note that the values of the operating parameters differ in both the types of boiler series, their power, and the types of burners and motors of the dispenser. The servicer is obliged, before any correction of the working parameters, to determine which construction is a burner and a dispenser assembly (motor + spiral). If there are any ambiguities or dilemmas, it is obliged to call the Termal service centre to find an adequate solution.

7.1 KAMIN STANDARD 10 kW



Design type of burner and gear motor pellet dispenser:



Has to be : 4.4 rpm

Parameters:

0. Fuel ignition timeout --> [15]
1. Ignition test timeout --> [10]
2. Fuel type --> [0]
3. Heat up feeder OFF time --> [10]
4. Heat up feeder ON time --> [230]
5. Fuel ignition feeder 1 OFF time --> [130]
6. Fuel ignition feeder 1 ON time --> [10]
7. Ignition test feeder 1 OFF time --> [100]
8. Ignition test feeder 1 ON time --> [20]
9. Power 1 feeder 1 OFF time --> [86]
10. Power 1 feeder 1 ON time --> [34]
11. Power 2 feeder 1 OFF time --> [77]
12. Power 2 feeder 1 ON time --> [43]
13. Power 3 feeder 1 OFF time --> [69]
14. Power 3 feeder 1 ON time --> [51]
15. Power 4 feeder 1 OFF time --> [67]
16. Power 4 feeder 1 ON time --> [53]
17. Power 5 feeder 1 OFF time --> [64]
18. Power 5 feeder 1 ON time --> [56]
19. Stop fire fan 1 speed --> [200]
20. Test fire fan 1 speed --> [180]
21. Heat up fan 1 speed --> [100]
22. Fuel ignition fan 1 speed --> [135]
23. Ignition test fan 1 speed --> [130]
24. Power 1 fan 1 speed --> [130]
25. Power 2 fan 1 speed --> [127]

26. Power 3 fan 1 speed --> [125]
27. Power 4 fan 1 speed --> [123]
28. Power 5 fan 1 speed --> [123]
29. Test fire fan 2 speed --> [0]
30. Stop fire fan 2 speed --> [220]
31. Heat up fan 2 speed --> [0]
32. Fuel ignition fan 2 speed --> [150]
33. Ignition test fan 2 speed --> [160]
34. Power 1 fan 2 speed --> [185]
35. Power 2 fan 2 speed --> [195]
36. Power 3 fan 2 speed --> [200]
37. Power 4 fan 2 speed --> [210]
38. Power 5 fan 2 speed --> [220]
39. Quickheat fan 2 speed --> [220]
40. Stop fire fan 3 speed --> [0]
41. Test fire fan 3 speed --> [0]
42. Heat up fan 3 speed --> [0]
43. Fuel ignition fan 3 speed --> [0]
44. Ignition test fan 3 speed --> [0]
45. Power 1 fan 3 speed --> [0]
46. Power 2 fan 3 speed --> [0]
47. Power 3 fan 3 speed --> [0]
48. Power 4 fan 3 speed --> [0]
49. Power 5 fan 3 speed --> [0]
50. Cool fluid exit temp. diff. --> [10]
51. Water/air temperature --> [26,8]
52. Water temperature in stove mode --> [0]

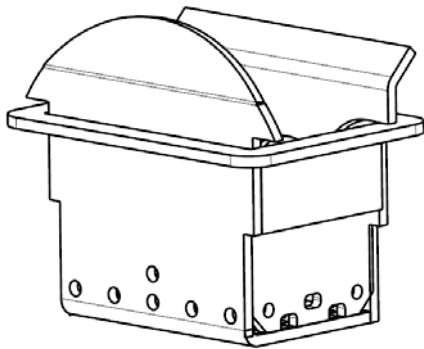
- 53. Cool fluid entry temp. diff. --> [10]
- 54. Ignition test gases temperature --> [70]
- 55. Modulation start gases temperature --> [510]
- 56. Heating device OFF gases temperature --> [65]
- 57. Maximum (error) gases temperature --> [510]
- 58. Fan 2 as ambient min. gases temp. --> [70]
- 59. No fuel (error) gases temperature --> [65]
- 60. Fan 1 blow cleaning period --> [0]
- 61. Fan 1 blow cleaning duration --> [0]
- 62. Fan 1 blow cleaning speed --> [0]
- 63. Air pulse cleaning duration --> [0]
- 64. Chamber cleaning duration/rot. --> [0]
- 65. Ash extraction auger duration --> [0]
- 66. Ash extraction auger period --> [0]
- 67. ON temperature --> [0]
- 68. OFF temp./T1-T2 for max.modul.speed --> [0]
- 69. Anti-condensation exit temp. --> [0]
- 70. Heat up duration --> [115]
- 71. Fuel ignition temp. check samples --> [3]
- 72. Fuel ignition temperature rise --> [1]
- 73. User fuel feeder 1 ON time factor --> [100]
- 74. User fuel fan 1 speed factor --> [100]
- 75. Wood fuel fan 1 speed factor --> [100]
- 76. Selected configuration --> [2]
- 77. 2nd room temperature --> [0,0]
- 78. Flame ON level --> [0]
- 79. Flame OFF level --> [0]

- 80. Flame OFF detection delay --> [0]
- 81. Underpressure setpoint --> [0]
- 82. Min. (error) underpressure/airflow --> [0]
- 83. Underpressure/airflow error delay --> [0]
- 84. Accumulator temperature --> [0]
- 85. T1-T2 for water pump OFF --> [0]
- 86. Boiler to accu. temperature drop --> [0]
- 87. Keep fire fan 1 speed --> [0]
- 88. Keep fire feeder 1 ON time --> [0]
- 89. Keep fire fan 1 duration --> [0]
- 90. Keep fire period --> [0]
- 91. Feeder 2 delay/ON time factor --> [0]
- 92. Pellets quality --> [1]
- 93. Wood quality --> [1]
- 94. Time to service --> [0]
- 95. Stove cool fluid entry temp. diff. --> [0]
- 96. Stove cool fluid exit temp. diff. --> [0]
- 97. T1-T2 for min. modul. speed --> [0]
- 98. Full level --> [0]
- 99. Low level --> [0]
- 100. Empty level --> [0]
- 101. Blow out duration --> [120]
- 102. Antifreeze temperature --> [0]
- 103. Water pump minimum speed --> [80]
- 104. Water pump maximum speed --> [240]
- 105. Reserved 105 --> [0]

7.2 EDGE / COMFY 10 kW



Design type of burner and gear motor pellet dispenser:



Has to be : 4.4 rpm

Parameters:

0. Fuel ignition timeout --> [20]
1. Ignition test timeout --> [15]
2. Fuel type --> [0]
3. Heat up feeder OFF time --> [10]
4. Heat up feeder ON time --> [150]
5. Fuel ignition feeder 1 OFF time --> [150]
6. Fuel ignition feeder 1 ON time --> [15]
7. Ignition test feeder 1 OFF time --> [100]
8. Ignition test feeder 1 ON time --> [15]
9. Power 1 feeder 1 OFF time --> [116]
10. Power 1 feeder 1 ON time --> [14]
11. Power 2 feeder 1 OFF time --> [114]
12. Power 2 feeder 1 ON time --> [16]
13. Power 3 feeder 1 OFF time --> [112]
14. Power 3 feeder 1 ON time --> [18]
15. Power 4 feeder 1 OFF time --> [109]
16. Power 4 feeder 1 ON time --> [21]
17. Power 5 feeder 1 OFF time --> [107]
18. Power 5 feeder 1 ON time --> [23]
19. Stop fire fan 1 speed --> [255]
20. Test fire fan 1 speed --> [200]
21. Heat up fan 1 speed --> [100]
22. Fuel ignition fan 1 speed --> [154]
23. Ignition test fan 1 speed --> [161]
24. Power 1 fan 1 speed --> [150]
25. Power 2 fan 1 speed --> [152]

- 26. Power 3 fan 1 speed --> [154]
- 27. Power 4 fan 1 speed --> [156]
- 28. Power 5 fan 1 speed --> [159]
- 29. Test fire fan 2 speed --> [0]
- 30. Stop fire fan 2 speed --> [0]
- 31. Heat up fan 2 speed --> [0]
- 32. Fuel ignition fan 2 speed --> [0]
- 33. Ignition test fan 2 speed --> [0]
- 34. Power 1 fan 2 speed --> [0]
- 35. Power 2 fan 2 speed --> [0]
- 36. Power 3 fan 2 speed --> [0]
- 37. Power 4 fan 2 speed --> [0]
- 38. Power 5 fan 2 speed --> [0]
- 39. Quickheat fan 2 speed --> [0]
- 40. Stop fire fan 3 speed --> [0]
- 41. Test fire fan 3 speed --> [0]
- 42. Heat up fan 3 speed --> [0]
- 43. Fuel ignition fan 3 speed --> [0]
- 44. Ignition test fan 3 speed --> [0]
- 45. Power 1 fan 3 speed --> [0]
- 46. Power 2 fan 3 speed --> [0]
- 47. Power 3 fan 3 speed --> [0]
- 48. Power 4 fan 3 speed --> [0]
- 49. Power 5 fan 3 speed --> [0]
- 50. Cool fluid exit temp. diff. --> [10]
- 51. Water/air temperature --> [75]
- 52. Water temperature in stove mode --> [0]

- 53. Cool fluid entry temp. diff. --> [0]
- 54. Ignition test gases temperature --> [55]
- 55. Modulation start gases temperature --> [250]
- 56. Heating device OFF gases temperature --> [50]
- 57. Maximum (error) gases temperature --> [250]
- 58. Fan 2 as ambient min. gases temp. --> [120]
- 59. No fuel (error) gases temperature --> [50]
- 60. Fan 1 blow cleaning period --> [30]
- 61. Fan 1 blow cleaning duration --> [10]
- 62. Fan 1 blow cleaning speed --> [170]
- 63. Air pulse cleaning duration --> [0]
- 64. Chamber cleaning duration/rot. --> [0]
- 65. Ash extraction auger duration --> [0]
- 66. Ash extraction auger period --> [0]
- 67. ON temperature --> [60]
- 68. OFF temp./T1-T2 for max.modul.speed --> [50]
- 69. Anti-condensation exit temp. --> [0]
- 70. Heat up duration --> [32]
- 71. Fuel ignition temp. check samples --> [6]
- 72. Fuel ignition temperature rise --> [2]
- 73. User fuel feeder 1 ON time factor --> [100]
- 74. User fuel fan 1 speed factor --> [100]
- 75. Wood fuel fan 1 speed factor --> [100]
- 76. Selected configuration --> [4]
- 77. 2nd room temperature --> [0.0]
- 78. Flame ON level --> [110]
- 79. Flame OFF level --> [10]

- 80. Flame OFF detection delay --> [2]
- 81. Underpressure setpoint --> [0]
- 82. Min. (error) underpressure/airflow --> [0]
- 83. Underpressure/airflow error delay --> [0]
- 84. Accumulator temperature --> [0]
- 85. T1-T2 for water pump OFF --> [0]
- 86. Boiler to accu. temperature drop --> [0]
- 87. Keep fire fan 1 speed --> [160]
- 88. Keep fire feeder 1 ON time --> [3]
- 89. Keep fire fan 1 duration --> [15]
- 90. Keep fire period --> [20]
- 91. Feeder 2 delay/ON time factor --> [0]
- 92. Pellets quality --> [1]
- 93. Wood quality --> [1]
- 94. Time to service --> [0]
- 95. Stove cool fluid entry temp. diff. --> [0]
- 96. Stove cool fluid exit temp. diff. --> [0]
- 97. T1-T2 for min. modul. speed --> [0]
- 98. Full level --> [0]
- 99. Low level --> [0]
- 100. Empty level --> [0]
- 101. Blow out duration --> [120]
- 102. Antifreeze temperature --> [0]
- 103. Water pump minimum speed --> [80]
- 104. Water pump maximum speed --> [240]
- 105. Reserved 105 --> [0]

7.3 KAMIN / EXCLUSIVE / EDGE 15 kW



Design type of burner and gear motor pellet dispenser:



Parameters:

0. Fuel ignition timeout --> [20]
1. Ignition test timeout --> [15]
2. Fuel type --> [0]
3. Heat up feeder OFF time --> [200]
4. Heat up feeder ON time --> [200]
5. Fuel ignition feeder 1 OFF time --> [150]
6. Fuel ignition feeder 1 ON time --> [20]
7. Ignition test feeder 1 OFF time --> [100]
8. Ignition test feeder 1 ON time --> [25]
9. Power 1 feeder 1 OFF time --> [106]
10. Power 1 feeder 1 ON time --> [16]
11. Power 2 feeder 1 OFF time --> [104]
12. Power 2 feeder 1 ON time --> [18]
13. Power 3 feeder 1 OFF time --> [103]
14. Power 3 feeder 1 ON time --> [20]
15. Power 4 feeder 1 OFF time --> [100]
16. Power 4 feeder 1 ON time --> [23]
17. Power 5 feeder 1 OFF time --> [98]
18. Power 5 feeder 1 ON time --> [25]
19. Stop fire fan 1 speed --> [255]
20. Test fire fan 1 speed --> [200]
21. Heat up fan 1 speed --> [100]
22. Fuel ignition fan 1 speed --> [154]
23. Ignition test fan 1 speed --> [161]
24. Power 1 fan 1 speed --> [150]
25. Power 2 fan 1 speed --> [152]

- 26. Power 3 fan 1 speed --> [154]
- 27. Power 4 fan 1 speed --> [156]
- 28. Power 5 fan 1 speed --> [159]
- 29. Test fire fan 2 speed --> [0]
- 30. Stop fire fan 2 speed --> [0]
- 31. Heat up fan 2 speed --> [0]
- 32. Fuel ignition fan 2 speed --> [0]
- 33. Ignition test fan 2 speed --> [0]
- 34. Power 1 fan 2 speed --> [0]
- 35. Power 2 fan 2 speed --> [0]
- 36. Power 3 fan 2 speed --> [0]
- 37. Power 4 fan 2 speed --> [0]
- 38. Power 5 fan 2 speed --> [0]
- 39. Quickheat fan 2 speed --> [0]
- 40. Stop fire fan 3 speed --> [0]
- 41. Test fire fan 3 speed --> [0]
- 42. Heat up fan 3 speed --> [0]
- 43. Fuel ignition fan 3 speed --> [0]
- 44. Ignition test fan 3 speed --> [0]
- 45. Power 1 fan 3 speed --> [0]
- 46. Power 2 fan 3 speed --> [0]
- 47. Power 3 fan 3 speed --> [0]
- 48. Power 4 fan 3 speed --> [0]
- 49. Power 5 fan 3 speed --> [0]
- 50. Cool fluid exit temp. diff. --> [10]
- 51. Water/air temperature --> [75]
- 52. Water temperature in stove mode --> [0]

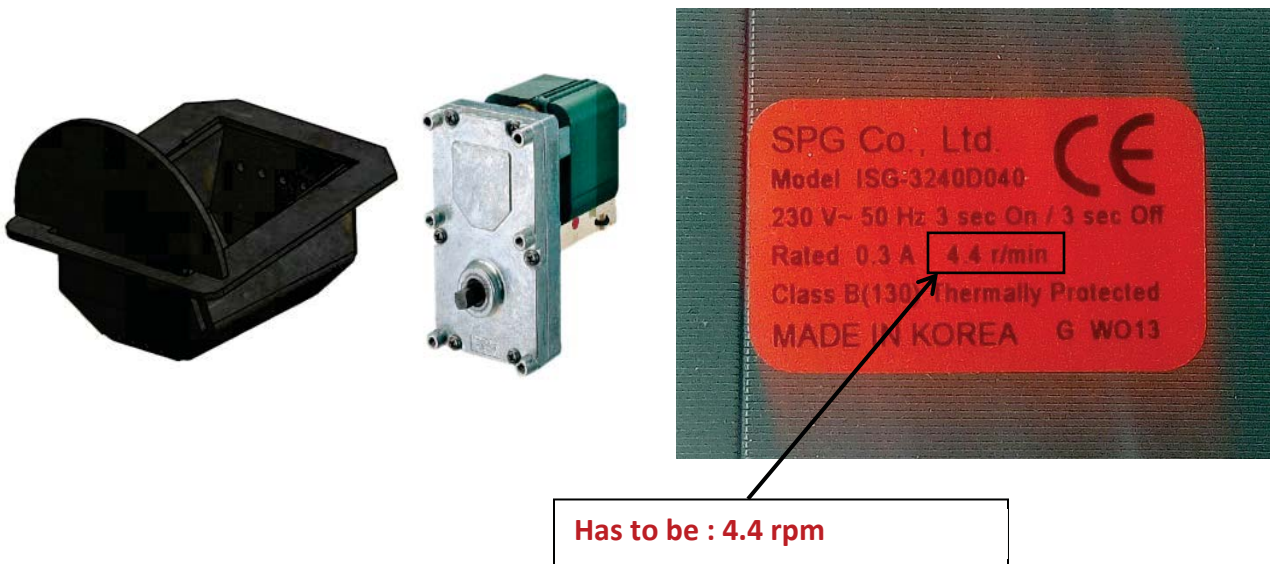
- 53. Cool fluid entry temp. diff. --> [0]
- 54. Ignition test gases temperature --> [50]
- 55. Modulation start gases temperature --> [250]
- 56. Heating device OFF gases temperature --> [48]
- 57. Maximum (error) gases temperature --> [250]
- 58. Fan 2 as ambient min. gases temp. --> [120]
- 59. No fuel (error) gases temperature --> [50]
- 60. Fan 1 blow cleaning period --> [30]
- 61. Fan 1 blow cleaning duration --> [10]
- 62. Fan 1 blow cleaning speed --> [170]
- 63. Air pulse cleaning duration --> [0]
- 64. Chamber cleaning duration/rot. --> [0]
- 65. Ash extraction auger duration --> [0]
- 66. Ash extraction auger period --> [0]
- 67. ON temperature --> [60]
- 68. OFF temp./T1-T2 for max.modul.speed --> [50]
- 69. Anti-condensation exit temp. --> [0]
- 70. Heat up duration --> [40]
- 71. Fuel ignition temp. check samples --> [3]
- 72. Fuel ignition temperature rise --> [1]
- 73. User fuel feeder 1 ON time factor --> [100]
- 74. User fuel fan 1 speed factor --> [100]
- 75. Wood fuel fan 1 speed factor --> [100]
- 76. Selected configuration --> [4]
- 77. 2nd room temperature --> [0.0]
- 78. Flame ON level --> [110]
- 79. Flame OFF level --> [10]

- 80. Flame OFF detection delay --> [2]
- 81. Underpressure setpoint --> [0]
- 82. Min. (error) underpressure/airflow --> [0]
- 83. Underpressure/airflow error delay --> [0]
- 84. Accumulator temperature --> [0]
- 85. T1-T2 for water pump OFF --> [0]
- 86. Boiler to accu. temperature drop --> [0]
- 87. Keep fire fan 1 speed --> [160]
- 88. Keep fire feeder 1 ON time --> [3]
- 89. Keep fire fan 1 duration --> [15]
- 90. Keep fire period --> [20]
- 91. Feeder 2 delay/ON time factor --> [0]
- 92. Pellets quality --> [1]
- 93. Wood quality --> [1]
- 94. Time to service --> [0]
- 95. Stove cool fluid entry temp. diff. --> [0]
- 96. Stove cool fluid exit temp. diff. --> [0]
- 97. T1-T2 for min. modul. speed --> [0]
- 98. Full level --> [0]
- 99. Low level --> [0]
- 100. Empty level --> [0]
- 101. Blow out duration --> [120]
- 102. Antifreeze temperature --> [0]
- 103. Water pump minimum speed --> [80]
- 104. Water pump maximum speed --> [240]
- 105. Reserved 105 --> [0]

7.4 KAMIN / EXCLUSIVE 20 kW



Design type of burner and gear motor pellet dispenser:



Parameters:

0. Fuel ignition timeout --> [20]
1. Ignition test timeout --> [15]
2. Fuel type --> [0]
3. Heat up feeder OFF time --> [200]
4. Heat up feeder ON time --> [200]
5. Fuel ignition feeder 1 OFF time --> [150]
6. Fuel ignition feeder 1 ON time --> [20]
7. Ignition test feeder 1 OFF time --> [100]
8. Ignition test feeder 1 ON time --> [25]
9. Power 1 feeder 1 OFF time --> [103]
10. Power 1 feeder 1 ON time --> [17]
11. Power 2 feeder 1 OFF time --> [100]
12. Power 2 feeder 1 ON time --> [20]
13. Power 3 feeder 1 OFF time --> [99]
14. Power 3 feeder 1 ON time --> [23]
15. Power 4 feeder 1 OFF time --> [97]
16. Power 4 feeder 1 ON time --> [25]
17. Power 5 feeder 1 OFF time --> [95]
18. Power 5 feeder 1 ON time --> [27]
19. Stop fire fan 1 speed --> [255]
20. Test fire fan 1 speed --> [200]
21. Heat up fan 1 speed --> [100]
22. Fuel ignition fan 1 speed --> [154]
23. Ignition test fan 1 speed --> [161]
24. Power 1 fan 1 speed --> [150]
25. Power 2 fan 1 speed --> [152]

- 26. Power 3 fan 1 speed --> [154]
- 27. Power 4 fan 1 speed --> [156]
- 28. Power 5 fan 1 speed --> [159]
- 29. Test fire fan 2 speed --> [0]
- 30. Stop fire fan 2 speed --> [0]
- 31. Heat up fan 2 speed --> [0]
- 32. Fuel ignition fan 2 speed --> [0]
- 33. Ignition test fan 2 speed --> [0]
- 34. Power 1 fan 2 speed --> [0]
- 35. Power 2 fan 2 speed --> [0]
- 36. Power 3 fan 2 speed --> [0]
- 37. Power 4 fan 2 speed --> [0]
- 38. Power 5 fan 2 speed --> [0]
- 39. Quickheat fan 2 speed --> [0]
- 40. Stop fire fan 3 speed --> [0]
- 41. Test fire fan 3 speed --> [0]
- 42. Heat up fan 3 speed --> [0]
- 43. Fuel ignition fan 3 speed --> [0]
- 44. Ignition test fan 3 speed --> [0]
- 45. Power 1 fan 3 speed --> [0]
- 46. Power 2 fan 3 speed --> [0]
- 47. Power 3 fan 3 speed --> [0]
- 48. Power 4 fan 3 speed --> [0]
- 49. Power 5 fan 3 speed --> [0]
- 50. Cool fluid exit temp. diff. --> [10]
- 51. Water/air temperature --> [75]
- 52. Water temperature in stove mode --> [0]

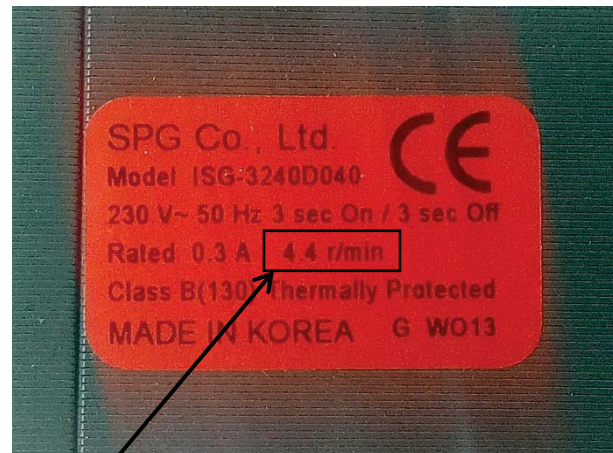
- 53. Cool fluid entry temp. diff. --> [0]
- 54. Ignition test gases temperature --> [50]
- 55. Modulation start gases temperature --> [250]
- 56. Heating device OFF gases temperature --> [48]
- 57. Maximum (error) gases temperature --> [250]
- 58. Fan 2 as ambient min. gases temp. --> [120]
- 59. No fuel (error) gases temperature --> [50]
- 60. Fan 1 blow cleaning period --> [30]
- 61. Fan 1 blow cleaning duration --> [10]
- 62. Fan 1 blow cleaning speed --> [170]
- 63. Air pulse cleaning duration --> [0]
- 64. Chamber cleaning duration/rot. --> [0]
- 65. Ash extraction auger duration --> [0]
- 66. Ash extraction auger period --> [0]
- 67. ON temperature --> [60]
- 68. OFF temp./T1-T2 for max.modul.speed --> [50]
- 69. Anti-condensation exit temp. --> [0]
- 70. Heat up duration --> [40]
- 71. Fuel ignition temp. check samples --> [3]
- 72. Fuel ignition temperature rise --> [1]
- 73. User fuel feeder 1 ON time factor --> [100]
- 74. User fuel fan 1 speed factor --> [100]
- 75. Wood fuel fan 1 speed factor --> [100]
- 76. Selected configuration --> [4]
- 77. 2nd room temperature --> [0.0]
- 78. Flame ON level --> [110]
- 79. Flame OFF level --> [10]

- 80. Flame OFF detection delay --> [2]
- 81. Underpressure setpoint --> [0]
- 82. Min. (error) underpressure/airflow --> [0]
- 83. Underpressure/airflow error delay --> [0]
- 84. Accumulator temperature --> [0]
- 85. T1-T2 for water pump OFF --> [0]
- 86. Boiler to accu. temperature drop --> [0]
- 87. Keep fire fan 1 speed --> [160]
- 88. Keep fire feeder 1 ON time --> [3]
- 89. Keep fire fan 1 duration --> [15]
- 90. Keep fire period --> [20]
- 91. Feeder 2 delay/ON time factor --> [0]
- 92. Pellets quality --> [1]
- 93. Wood quality --> [1]
- 94. Time to service --> [0]
- 95. Stove cool fluid entry temp. diff. --> [0]
- 96. Stove cool fluid exit temp. diff. --> [0]
- 97. T1-T2 for min. modul. speed --> [0]
- 98. Full level --> [0]
- 99. Low level --> [0]
- 100. Empty level --> [0]
- 101. Blow out duration --> [120]
- 102. Antifreeze temperature --> [0]
- 103. Water pump minimum speed --> [80]
- 104. Water pump maximum speed --> [240]
- 105. Reserved 105 --> [0]

7.5 KOTAO EDGE 23 kW



Design type of burner and gear motor pellet dispenser :



Has to be : 4.4 rpm

Parameters:

0. Fuel ignition timeout --> [20]
1. Ignition test timeout --> [15]
2. Fuel type --> [0]
3. Heat up feeder OFF time --> [200]
4. Heat up feeder ON time --> [200]
5. Fuel ignition feeder 1 OFF time --> [150]
6. Fuel ignition feeder 1 ON time --> [18]
7. Ignition test feeder 1 OFF time --> [100]
8. Ignition test feeder 1 ON time --> [30]
9. Power 1 feeder 1 OFF time --> [107]
10. Power 1 feeder 1 ON time --> [11]
11. Power 2 feeder 1 OFF time --> [103]
12. Power 2 feeder 1 ON time --> [15]
13. Power 3 feeder 1 OFF time --> [98]
14. Power 3 feeder 1 ON time --> [20]
15. Power 4 feeder 1 OFF time --> [94]
16. Power 4 feeder 1 ON time --> [24]
17. Power 5 feeder 1 OFF time --> [91]
18. Power 5 feeder 1 ON time --> [27]
19. Stop fire fan 1 speed --> [255]
20. Test fire fan 1 speed --> [200]
21. Heat up fan 1 speed --> [100]
22. Fuel ignition fan 1 speed --> [154]
23. Ignition test fan 1 speed --> [161]
24. Power 1 fan 1 speed --> [150]
25. Power 2 fan 1 speed --> [152]

- 26. Power 3 fan 1 speed --> [154]
- 27. Power 4 fan 1 speed --> [156]
- 28. Power 5 fan 1 speed --> [159]
- 29. Test fire fan 2 speed --> [0]
- 30. Stop fire fan 2 speed --> [0]
- 31. Heat up fan 2 speed --> [0]
- 32. Fuel ignition fan 2 speed --> [0]
- 33. Ignition test fan 2 speed --> [0]
- 34. Power 1 fan 2 speed --> [0]
- 35. Power 2 fan 2 speed --> [0]
- 36. Power 3 fan 2 speed --> [0]
- 37. Power 4 fan 2 speed --> [0]
- 38. Power 5 fan 2 speed --> [0]
- 39. Quickheat fan 2 speed --> [0]
- 40. Stop fire fan 3 speed --> [0]
- 41. Test fire fan 3 speed --> [0]
- 42. Heat up fan 3 speed --> [0]
- 43. Fuel ignition fan 3 speed --> [0]
- 44. Ignition test fan 3 speed --> [0]
- 45. Power 1 fan 3 speed --> [0]
- 46. Power 2 fan 3 speed --> [0]
- 47. Power 3 fan 3 speed --> [0]
- 48. Power 4 fan 3 speed --> [0]
- 49. Power 5 fan 3 speed --> [0]
- 50. Cool fluid exit temp. diff. --> [10]
- 51. Water/air temperature --> [75]
- 52. Water temperature in stove mode --> [0]

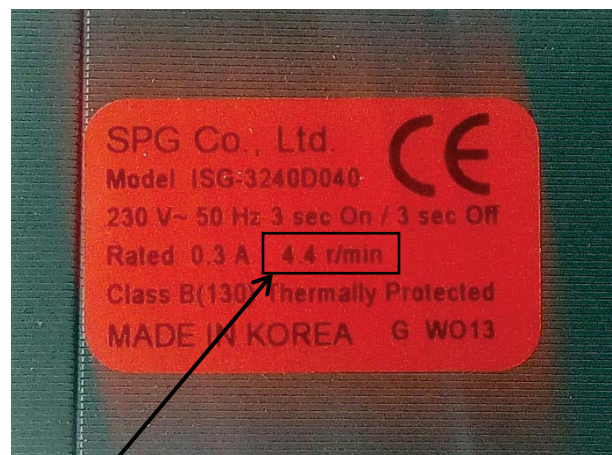
- 53. Cool fluid entry temp. diff. --> [0]
- 54. Ignition test gases temperature --> [50]
- 55. Modulation start gases temperature --> [250]
- 56. Heating device OFF gases temperature --> [47]
- 57. Maximum (error) gases temperature --> [250]
- 58. Fan 2 as ambient min. gases temp. --> [120]
- 59. No fuel (error) gases temperature --> [50]
- 60. Fan 1 blow cleaning period --> [30]
- 61. Fan 1 blow cleaning duration --> [10]
- 62. Fan 1 blow cleaning speed --> [170]
- 63. Air pulse cleaning duration --> [0]
- 64. Chamber cleaning duration/rot. --> [0]
- 65. Ash extraction auger duration --> [0]
- 66. Ash extraction auger period --> [0]
- 67. ON temperature --> [60]
- 68. OFF temp./T1-T2 for max.modul.speed --> [50]
- 69. Anti-condensation exit temp. --> [0]
- 70. Heat up duration --> [40]
- 71. Fuel ignition temp. check samples --> [6]
- 72. Fuel ignition temperature rise --> [2]
- 73. User fuel feeder 1 ON time factor --> [100]
- 74. User fuel fan 1 speed factor --> [100]
- 75. Wood fuel fan 1 speed factor --> [100]
- 76. Selected configuration --> [4]
- 77. 2nd room temperature --> [0.0]
- 78. Flame ON level --> [110]
- 79. Flame OFF level --> [10]

- 80. Flame OFF detection delay --> [2]
- 81. Underpressure setpoint --> [0]
- 82. Min. (error) underpressure/airflow --> [0]
- 83. Underpressure/airflow error delay --> [0]
- 84. Accumulator temperature --> [0]
- 85. T1-T2 for water pump OFF --> [0]
- 86. Boiler to accu. temperature drop --> [0]
- 87. Keep fire fan 1 speed --> [160]
- 88. Keep fire feeder 1 ON time --> [3]
- 89. Keep fire fan 1 duration --> [15]
- 90. Keep fire period --> [20]
- 91. Feeder 2 delay/ON time factor --> [0]
- 92. Pellets quality --> [1]
- 93. Wood quality --> [1]
- 94. Time to service --> [0]
- 95. Stove cool fluid entry temp. diff. --> [0]
- 96. Stove cool fluid exit temp. diff. --> [0]
- 97. T1-T2 for min. modul. speed --> [0]
- 98. Full level --> [0]
- 99. Low level --> [0]
- 100. Empty level --> [0]
- 101. Blow out duration --> [120]
- 102. Antifreeze temperature --> [0]
- 103. Water pump minimum speed --> [80]
- 104. Water pump maximum speed --> [240]
- 105. Reserved 105 --> [0]

7.6 KAMIN / COMPACT 25 kW



Design type of burner and gear motor pellet dispenser



Has to be : 4.4 rpm

Parameters:

0. Fuel ignition timeout --> [20]
1. Ignition test timeout --> [15]
2. Fuel type --> [0]
3. Heat up feeder OFF time --> [200]
4. Heat up feeder ON time --> [200]
5. Fuel ignition feeder 1 OFF time --> [150]
6. Fuel ignition feeder 1 ON time --> [18]
7. Ignition test feeder 1 OFF time --> [100]
8. Ignition test feeder 1 ON time --> [30]
9. Power 1 feeder 1 OFF time --> [107]
10. Power 1 feeder 1 ON time --> [13]
11. Power 2 feeder 1 OFF time --> [103]
12. Power 2 feeder 1 ON time --> [17]
13. Power 3 feeder 1 OFF time --> [98]
14. Power 3 feeder 1 ON time --> [22]
15. Power 4 feeder 1 OFF time --> [94]
16. Power 4 feeder 1 ON time --> [26]
17. Power 5 feeder 1 OFF time --> [91]
18. Power 5 feeder 1 ON time --> [29]
19. Stop fire fan 1 speed --> [255]
20. Test fire fan 1 speed --> [200]
21. Heat up fan 1 speed --> [100]
22. Fuel ignition fan 1 speed --> [154]
23. Ignition test fan 1 speed --> [161]
24. Power 1 fan 1 speed --> [150]
25. Power 2 fan 1 speed --> [152]

- 26. Power 3 fan 1 speed --> [154]
- 27. Power 4 fan 1 speed --> [156]
- 28. Power 5 fan 1 speed --> [159]
- 29. Test fire fan 2 speed --> [0]
- 30. Stop fire fan 2 speed --> [0]
- 31. Heat up fan 2 speed --> [0]
- 32. Fuel ignition fan 2 speed --> [0]
- 33. Ignition test fan 2 speed --> [0]
- 34. Power 1 fan 2 speed --> [0]
- 35. Power 2 fan 2 speed --> [0]
- 36. Power 3 fan 2 speed --> [0]
- 37. Power 4 fan 2 speed --> [0]
- 38. Power 5 fan 2 speed --> [0]
- 39. Quickheat fan 2 speed --> [0]
- 40. Stop fire fan 3 speed --> [0]
- 41. Test fire fan 3 speed --> [0]
- 42. Heat up fan 3 speed --> [0]
- 43. Fuel ignition fan 3 speed --> [0]
- 44. Ignition test fan 3 speed --> [0]
- 45. Power 1 fan 3 speed --> [0]
- 46. Power 2 fan 3 speed --> [0]
- 47. Power 3 fan 3 speed --> [0]
- 48. Power 4 fan 3 speed --> [0]
- 49. Power 5 fan 3 speed --> [0]
- 50. Cool fluid exit temp. diff. --> [10]
- 51. Water/air temperature --> [75]
- 52. Water temperature in stove mode --> [0]

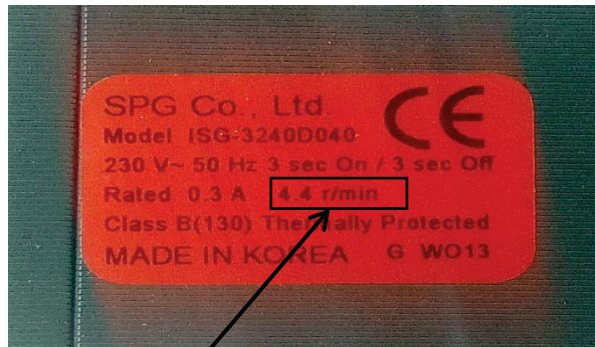
- 53. Cool fluid entry temp. diff. --> [0]
- 54. Ignition test gases temperature --> [50]
- 55. Modulation start gases temperature --> [250]
- 56. Heating device OFF gases temperature --> [47]
- 57. Maximum (error) gases temperature --> [250]
- 58. Fan 2 as ambient min. gases temp. --> [120]
- 59. No fuel (error) gases temperature --> [50]
- 60. Fan 1 blow cleaning period --> [30]
- 61. Fan 1 blow cleaning duration --> [10]
- 62. Fan 1 blow cleaning speed --> [170]
- 63. Air pulse cleaning duration --> [0]
- 64. Chamber cleaning duration/rot. --> [0]
- 65. Ash extraction auger duration --> [0]
- 66. Ash extraction auger period --> [0]
- 67. ON temperature --> [60]
- 68. OFF temp./T1-T2 for max.modul.speed --> [50]
- 69. Anti-condensation exit temp. --> [0]
- 70. Heat up duration --> [40]
- 71. Fuel ignition temp. check samples --> [6]
- 72. Fuel ignition temperature rise --> [2]
- 73. User fuel feeder 1 ON time factor --> [100]
- 74. User fuel fan 1 speed factor --> [100]
- 75. Wood fuel fan 1 speed factor --> [100]
- 76. Selected configuration --> [4]
- 77. 2nd room temperature --> [0.0]
- 78. Flame ON level --> [110]
- 79. Flame OFF level --> [10]

- 80. Flame OFF detection delay --> [2]
- 81. Underpressure setpoint --> [0]
- 82. Min. (error) underpressure/airflow --> [0]
- 83. Underpressure/airflow error delay --> [0]
- 84. Accumulator temperature --> [0]
- 85. T1-T2 for water pump OFF --> [0]
- 86. Boiler to accu. temperature drop --> [0]
- 87. Keep fire fan 1 speed --> [160]
- 88. Keep fire feeder 1 ON time --> [3]
- 89. Keep fire fan 1 duration --> [15]
- 90. Keep fire period --> [20]
- 91. Feeder 2 delay/ON time factor --> [0]
- 92. Pellets quality --> [1]
- 93. Wood quality --> [1]
- 94. Time to service --> [0]
- 95. Stove cool fluid entry temp. diff. --> [0]
- 96. Stove cool fluid exit temp. diff. --> [0]
- 97. T1-T2 for min. modul. speed --> [0]
- 98. Full level --> [0]
- 99. Low level --> [0]
- 100. Empty level --> [0]
- 101. Blow out duration --> [120]
- 102. Antifreeze temperature --> [0]
- 103. Water pump minimum speed --> [80]
- 104. Water pump maximum speed --> [240]
- 105. Reserved 105 --> [0]

7.7 SMART 25kW



Design type of burner and gear motor pellet dispenser:



Has to be : 4.4 rpm

Parameters:

0. Fuel ignition timeout --> [20]
1. Ignition test timeout --> [15]
2. Fuel type --> [0]
3. Heat up feeder OFF time --> [250]
4. Heat up feeder ON time --> [150]
5. Fuel ignition feeder 1 OFF time --> [150]
6. Fuel ignition feeder 1 ON time --> [20]
7. Ignition test feeder 1 OFF time --> [100]
8. Ignition test feeder 1 ON time --> [30]
9. Power 1 feeder 1 OFF time --> [1]
10. Power 1 feeder 1 ON time --> [17]
11. Power 2 feeder 1 OFF time --> [1]
12. Power 2 feeder 1 ON time --> [1]
13. Power 3 feeder 1 OFF time --> [1]
14. Power 3 feeder 1 ON time --> [1]
15. Power 4 feeder 1 OFF time --> [1]
16. Power 4 feeder 1 ON time --> [1]
17. Power 5 feeder 1 OFF time --> [1]
18. Power 5 feeder 1 ON time --> [30]
19. Stop fire fan 1 speed --> [255]
20. Test fire fan 1 speed --> [200]
21. Heat up fan 1 speed --> [100]
22. Fuel ignition fan 1 speed --> [150]
23. Ignition test fan 1 speed --> [175]
24. Power 1 fan 1 speed --> [165]
25. Power 2 fan 1 speed --> [170]

- 26. Power 3 fan 1 speed --> [172]
- 27. Power 4 fan 1 speed --> [175]
- 28. Power 5 fan 1 speed --> [180]
- 29. Test fire fan 2 speed --> [0]
- 30. Stop fire fan 2 speed --> [0]
- 31. Heat up fan 2 speed --> [0]
- 32. Fuel ignition fan 2 speed --> [0]
- 33. Ignition test fan 2 speed --> [0]
- 34. Power 1 fan 2 speed --> [0]
- 35. Power 2 fan 2 speed --> [0]
- 36. Power 3 fan 2 speed --> [0]
- 37. Power 4 fan 2 speed --> [0]
- 38. Power 5 fan 2 speed --> [0]
- 39. Quickheat fan 2 speed --> [0]
- 40. Stop fire fan 3 speed --> [0]
- 41. Test fire fan 3 speed --> [0]
- 42. Heat up fan 3 speed --> [0]
- 43. Fuel ignition fan 3 speed --> [0]
- 44. Ignition test fan 3 speed --> [0]
- 45. Power 1 fan 3 speed --> [0]
- 46. Power 2 fan 3 speed --> [0]
- 47. Power 3 fan 3 speed --> [0]
- 48. Power 4 fan 3 speed --> [0]
- 49. Power 5 fan 3 speed --> [0]
- 50. Cool fluid exit temp. diff. --> [6]
- 51. Water/air temperature --> [82]
- 52. Water temperature in stove mode --> [0]

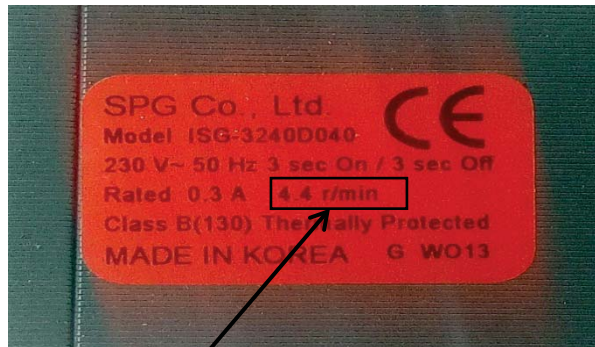
- 53. Cool fluid entry temp. diff. --> [0]
- 54. Ignition test gases temperature --> [55]
- 55. Modulation start gases temperature --> [255]
- 56. Heating device OFF gases temperature --> [50]
- 57. Maximum (error) gases temperature --> [255]
- 58. Fan 2 as ambient min. gases temp. --> [255]
- 59. No fuel (error) gases temperature --> [52]
- 60. Fan 1 blow cleaning period --> [0]
- 61. Fan 1 blow cleaning duration --> [0]
- 62. Fan 1 blow cleaning speed --> [0]
- 63. Air pulse cleaning duration --> [0]
- 64. Chamber cleaning duration/rot. --> [3]
- 65. Ash extraction auger duration --> [0]
- 66. Ash extraction auger period --> [0]
- 67. ON temperature --> [60]
- 68. OFF temp./T1-T2 for max.modul.speed --> [50]
- 69. Anti-condensation exit temp. --> [0]
- 70. Heat up duration --> [80]
- 71. Fuel ignition temp. check samples --> [3]
- 72. Fuel ignition temperature rise --> [1]
- 73. User fuel feeder 1 ON time factor --> [100]
- 74. User fuel fan 1 speed factor --> [100]
- 75. Wood fuel fan 1 speed factor --> [100]
- 76. Selected configuration --> [4]
- 77. 2nd room temperature --> [0.0]
- 78. Flame ON level --> [110]
- 79. Flame OFF level --> [10]

- 80. Flame OFF detection delay --> [5]
- 81. Underpressure setpoint --> [0]
- 82. Min. (error) underpressure/airflow --> [0]
- 83. Underpressure/airflow error delay --> [0]
- 84. Accumulator temperature --> [0]
- 85. T1-T2 for water pump OFF --> [0]
- 86. Boiler to accu. temperature drop --> [0]
- 87. Keep fire fan 1 speed --> [0]
- 88. Keep fire feeder 1 ON time --> [0]
- 89. Keep fire fan 1 duration --> [0]
- 90. Keep fire period --> [0]
- 91. Feeder 2 delay/ON time factor --> [0]
- 92. Pellets quality --> [1]
- 93. Wood quality --> [1]
- 94. Time to service --> [0]
- 95. Stove cool fluid entry temp. diff. --> [0]
- 96. Stove cool fluid exit temp. diff. --> [0]
- 97. T1-T2 for min. modul. speed --> [0]
- 98. Full level --> [0]
- 99. Low level --> [0]
- 100. Empty level --> [0]
- 101. Blow out duration --> [180]
- 102. Antifreeze temperature --> [0]
- 103. Water pump minimum speed --> [180]
- 104. Water pump maximum speed --> [220]
- 105. Reserved 105 --> [0]

7.8 SMART 33 kW



Design type of burner and gear motor pellet dispenser



Has to be : 4.4 rpm

Parameters:

0. Fuel ignition timeout --> [20]
1. Ignition test timeout --> [15]
2. Fuel type --> [0]
3. Heat up feeder OFF time --> [250]
4. Heat up feeder ON time --> [250]
5. Fuel ignition feeder 1 OFF time --> [150]
6. Fuel ignition feeder 1 ON time --> [10]
7. Ignition test feeder 1 OFF time --> [100]
8. Ignition test feeder 1 ON time --> [30]
9. Power 1 feeder 1 OFF time --> [40]
10. Power 1 feeder 1 ON time --> [10]
11. Power 2 feeder 1 OFF time --> [40]
12. Power 2 feeder 1 ON time --> [15]
13. Power 3 feeder 1 OFF time --> [40]
14. Power 3 feeder 1 ON time --> [16]
15. Power 4 feeder 1 OFF time --> [40]
16. Power 4 feeder 1 ON time --> [18]
17. Power 5 feeder 1 OFF time --> [45]
18. Power 5 feeder 1 ON time --> [20]
19. Stop fire fan 1 speed --> [255]
20. Test fire fan 1 speed --> [200]
21. Heat up fan 1 speed --> [80]
22. Fuel ignition fan 1 speed --> [150]
23. Ignition test fan 1 speed --> [175]
24. Power 1 fan 1 speed --> [180]
25. Power 2 fan 1 speed --> [180]

- 26. Power 3 fan 1 speed --> [185]
- 27. Power 4 fan 1 speed --> [190]
- 28. Power 5 fan 1 speed --> [195]
- 29. Test fire fan 2 speed --> [0]
- 30. Stop fire fan 2 speed --> [0]
- 31. Heat up fan 2 speed --> [0]
- 32. Fuel ignition fan 2 speed --> [0]
- 33. Ignition test fan 2 speed --> [0]
- 34. Power 1 fan 2 speed --> [0]
- 35. Power 2 fan 2 speed --> [0]
- 36. Power 3 fan 2 speed --> [0]
- 37. Power 4 fan 2 speed --> [0]
- 38. Power 5 fan 2 speed --> [0]
- 39. Quickheat fan 2 speed --> [0]
- 40. Stop fire fan 3 speed --> [0]
- 41. Test fire fan 3 speed --> [0]
- 42. Heat up fan 3 speed --> [0]
- 43. Fuel ignition fan 3 speed --> [0]
- 44. Ignition test fan 3 speed --> [0]
- 45. Power 1 fan 3 speed --> [0]
- 46. Power 2 fan 3 speed --> [0]
- 47. Power 3 fan 3 speed --> [0]
- 48. Power 4 fan 3 speed --> [0]
- 49. Power 5 fan 3 speed --> [0]
- 50. Cool fluid exit temp. diff. --> [6]
- 51. Water/air temperature --> [82]
- 52. Water temperature in stove mode --> [0]

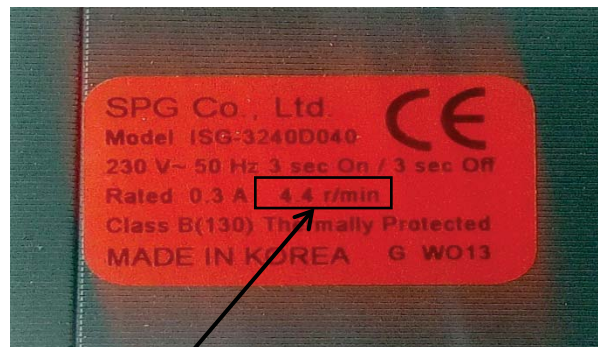
- 53. Cool fluid entry temp. diff. --> [0]
- 54. Ignition test gases temperature --> [55]
- 55. Modulation start gases temperature --> [255]
- 56. Heating device OFF gases temperature --> [50]
- 57. Maximum (error) gases temperature --> [255]
- 58. Fan 2 as ambient min. gases temp. --> [255]
- 59. No fuel (error) gases temperature --> [52]
- 60. Fan 1 blow cleaning period --> [5]
- 61. Fan 1 blow cleaning duration --> [40]
- 62. Fan 1 blow cleaning speed --> [220]
- 63. Air pulse cleaning duration --> [0]
- 64. Chamber cleaning duration/rot. --> [3]
- 65. Ash extraction auger duration --> [0]
- 66. Ash extraction auger period --> [0]
- 67. ON temperature --> [60]
- 68. OFF temp./T1-T2 for max.modul.speed --> [50]
- 69. Anti-condensation exit temp. --> [0]
- 70. Heat up duration --> [150]
- 71. Fuel ignition temp. check samples --> [3]
- 72. Fuel ignition temperature rise --> [1]
- 73. User fuel feeder 1 ON time factor --> [100]
- 74. User fuel fan 1 speed factor --> [100]
- 75. Wood fuel fan 1 speed factor --> [100]
- 76. Selected configuration --> [4]
- 77. 2nd room temperature --> [0.0]
- 78. Flame ON level --> [110]
- 79. Flame OFF level --> [10]

- 80. Flame OFF detection delay --> [5]
- 81. Underpressure setpoint --> [0]
- 82. Min. (error) underpressure/airflow --> [0]
- 83. Underpressure/airflow error delay --> [0]
- 84. Accumulator temperature --> [0]
- 85. T1-T2 for water pump OFF --> [0]
- 86. Boiler to accu. temperature drop --> [0]
- 87. Keep fire fan 1 speed --> [0]
- 88. Keep fire feeder 1 ON time --> [0]
- 89. Keep fire fan 1 duration --> [0]
- 90. Keep fire period --> [0]
- 91. Feeder 2 delay/ON time factor --> [0]
- 92. Pellets quality --> [1]
- 93. Wood quality --> [1]
- 94. Time to service --> [0]
- 95. Stove cool fluid entry temp. diff. --> [0]
- 96. Stove cool fluid exit temp. diff. --> [0]
- 97. T1-T2 for min. modul. speed --> [0]
- 98. Full level --> [0]
- 99. Low level --> [0]
- 100. Empty level --> [0]
- 101. Blow out duration --> [180]
- 102. Antifreeze temperature --> [0]
- 103. Water pump minimum speed --> [180]
- 104. Water pump maximum speed --> [220]
- 105. Reserved 105 --> [0]

7.9 COMPACT 33 kW



Design type of burner and gear motor pellet dispenser



Has to be : 4.4 rpm

Parameters:

0. Fuel ignition timeout --> [20]
1. Ignition test timeout --> [15]
2. Fuel type --> [0]
3. Heat up feeder OFF time --> [200]
4. Heat up feeder ON time --> [200]
5. Fuel ignition feeder 1 OFF time --> [150]
6. Fuel ignition feeder 1 ON time --> [40]
7. Ignition test feeder 1 OFF time --> [100]
8. Ignition test feeder 1 ON time --> [30]
9. Power 1 feeder 1 OFF time --> [40]
10. Power 1 feeder 1 ON time --> [15]
11. Power 2 feeder 1 OFF time --> [40]
12. Power 2 feeder 1 ON time --> [15]
13. Power 3 feeder 1 OFF time --> [40]
14. Power 3 feeder 1 ON time --> [16]
15. Power 4 feeder 1 OFF time --> [40]
16. Power 4 feeder 1 ON time --> [18]
17. Power 5 feeder 1 OFF time --> [40]
18. Power 5 feeder 1 ON time --> [20]
19. Stop fire fan 1 speed --> [200]
20. Test fire fan 1 speed --> [200]
21. Heat up fan 1 speed --> [100]
22. Fuel ignition fan 1 speed --> [155]
23. Ignition test fan 1 speed --> [161]
24. Power 1 fan 1 speed --> [137]
25. Power 2 fan 1 speed --> [140]

- 26. Power 3 fan 1 speed --> [180]
- 27. Power 4 fan 1 speed --> [190]
- 28. Power 5 fan 1 speed --> [200]
- 29. Test fire fan 2 speed --> [0]
- 30. Stop fire fan 2 speed --> [0]
- 31. Heat up fan 2 speed --> [0]
- 32. Fuel ignition fan 2 speed --> [0]
- 33. Ignition test fan 2 speed --> [0]
- 34. Power 1 fan 2 speed --> [0]
- 35. Power 2 fan 2 speed --> [0]
- 36. Power 3 fan 2 speed --> [0]
- 37. Power 4 fan 2 speed --> [0]
- 38. Power 5 fan 2 speed --> [0]
- 39. Quickheat fan 2 speed --> [0]
- 40. Stop fire fan 3 speed --> [0]
- 41. Test fire fan 3 speed --> [0]
- 42. Heat up fan 3 speed --> [0]
- 43. Fuel ignition fan 3 speed --> [0]
- 44. Ignition test fan 3 speed --> [0]
- 45. Power 1 fan 3 speed --> [0]
- 46. Power 2 fan 3 speed --> [0]
- 47. Power 3 fan 3 speed --> [0]
- 48. Power 4 fan 3 speed --> [0]
- 49. Power 5 fan 3 speed --> [0]
- 50. Cool fluid exit temp. diff. --> [10]
- 51. Water/air temperature --> [82]
- 52. Water temperature in stove mode --> [0]

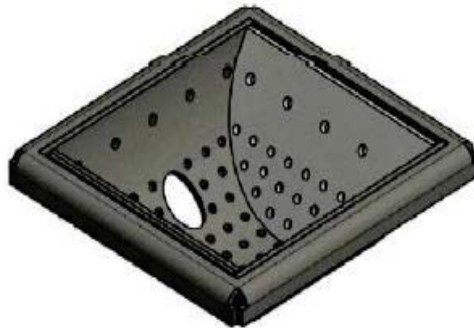
- 53. Cool fluid entry temp. diff. --> [0]
- 54. Ignition test gases temperature --> [55]
- 55. Modulation start gases temperature --> [255]
- 56. Heating device OFF gases temperature --> [60]
- 57. Maximum (error) gases temperature --> [255]
- 58. Fan 2 as ambient min. gases temp. --> [200]
- 59. No fuel (error) gases temperature --> [60]
- 60. Fan 1 blow cleaning period --> [30]
- 61. Fan 1 blow cleaning duration --> [30]
- 62. Fan 1 blow cleaning speed --> [180]
- 63. Air pulse cleaning duration --> [0]
- 64. Chamber cleaning duration/rot. --> [0]
- 65. Ash extraction auger duration --> [0]
- 66. Ash extraction auger period --> [0]
- 67. ON temperature --> [60]
- 68. OFF temp./T1-T2 for max.modul.speed --> [50]
- 69. Anti-condensation exit temp. --> [45]
- 70. Heat up duration --> [80]
- 71. Fuel ignition temp. check samples --> [2]
- 72. Fuel ignition temperature rise --> [1]
- 73. User fuel feeder 1 ON time factor --> [100]
- 74. User fuel fan 1 speed factor --> [100]
- 75. Wood fuel fan 1 speed factor --> [100]
- 76. Selected configuration --> [4]
- 77. 2nd room temperature --> [0.0]
- 78. Flame ON level --> [110]
- 79. Flame OFF level --> [10]

- 80. Flame OFF detection delay --> [2]
- 81. Underpressure setpoint --> [0]
- 82. Min. (error) underpressure/airflow --> [0]
- 83. Underpressure/airflow error delay --> [0]
- 84. Accumulator temperature --> [0]
- 85. T1-T2 for water pump OFF --> [0]
- 86. Boiler to accu. temperature drop --> [0]
- 87. Keep fire fan 1 speed --> [160]
- 88. Keep fire feeder 1 ON time --> [3]
- 89. Keep fire fan 1 duration --> [15]
- 90. Keep fire period --> [20]
- 91. Feeder 2 delay/ON time factor --> [0]
- 92. Pellets quality --> [1]
- 93. Wood quality --> [1]
- 94. Time to service --> [0]
- 95. Stove cool fluid entry temp. diff. --> [0]
- 96. Stove cool fluid exit temp. diff. --> [0]
- 97. T1-T2 for min. modul. speed --> [0]
- 98. Full level --> [0]
- 99. Low level --> [0]
- 100. Empty level --> [0]
- 101. Blow out duration --> [120]
- 102. Antifreeze temperature --> [0]
- 103. Water pump minimum speed --> [80]
- 104. Water pump maximum speed --> [240]
- 105. Reserved 105 --> [0]

7.10 COMBO 35 kW



Design type of burner and gear motor pellet dispenser



Has to be : 4.4 rpm

Parameters:

0. Fuel ignition timeout --> [20]
1. Ignition test timeout --> [15]
2. Fuel type --> [0]
3. Heat up feeder OFF time --> [200]
4. Heat up feeder ON time --> [200]
5. Fuel ignition feeder 1 OFF time --> [200]
6. Fuel ignition feeder 1 ON time --> [30]
7. Ignition test feeder 1 OFF time --> [100]
8. Ignition test feeder 1 ON time --> [30]
9. Power 1 feeder 1 OFF time --> [40]
10. Power 1 feeder 1 ON time --> [15]
11. Power 2 feeder 1 OFF time --> [40]
12. Power 2 feeder 1 ON time --> [17]
13. Power 3 feeder 1 OFF time --> [40]
14. Power 3 feeder 1 ON time --> [19]
15. Power 4 feeder 1 OFF time --> [40]
16. Power 4 feeder 1 ON time --> [20]
17. Power 5 feeder 1 OFF time --> [40]
18. Power 5 feeder 1 ON time --> [30]
19. Stop fire fan 1 speed --> [200]
20. Test fire fan 1 speed --> [200]
21. Heat up fan 1 speed --> [100]
22. Fuel ignition fan 1 speed --> [150]
23. Ignition test fan 1 speed --> [161]
24. Power 1 fan 1 speed --> [120]
25. Power 2 fan 1 speed --> [130]

- 26. Power 3 fan 1 speed --> [140]
- 27. Power 4 fan 1 speed --> [150]
- 28. Power 5 fan 1 speed --> [160]
- 29. Test fire fan 2 speed --> [0]
- 30. Stop fire fan 2 speed --> [0]
- 31. Heat up fan 2 speed --> [0]
- 32. Fuel ignition fan 2 speed --> [0]
- 33. Ignition test fan 2 speed --> [0]
- 34. Power 1 fan 2 speed --> [0]
- 35. Power 2 fan 2 speed --> [0]
- 36. Power 3 fan 2 speed --> [0]
- 37. Power 4 fan 2 speed --> [0]
- 38. Power 5 fan 2 speed --> [0]
- 39. Quickheat fan 2 speed --> [0]
- 40. Stop fire fan 3 speed --> [0]
- 41. Test fire fan 3 speed --> [0]
- 42. Heat up fan 3 speed --> [0]
- 43. Fuel ignition fan 3 speed --> [0]
- 44. Ignition test fan 3 speed --> [0]
- 45. Power 1 fan 3 speed --> [0]
- 46. Power 2 fan 3 speed --> [0]
- 47. Power 3 fan 3 speed --> [0]
- 48. Power 4 fan 3 speed --> [0]
- 49. Power 5 fan 3 speed --> [0]
- 50. Cool fluid exit temp. diff. --> [10]
- 51. Water/air temperature --> [80]
- 52. Water temperature in stove mode --> [0]

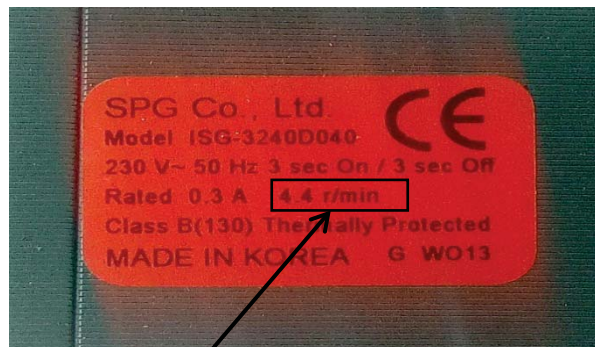
- 53. Cool fluid entry temp. diff. --> [0]
- 54. Ignition test gases temperature --> [55]
- 55. Modulation start gases temperature --> [255]
- 56. Heating device OFF gases temperature --> [50]
- 57. Maximum (error) gases temperature --> [255]
- 58. Fan 2 as ambient min. gases temp. --> [200]
- 59. No fuel (error) gases temperature --> [60]
- 60. Fan 1 blow cleaning period --> [30]
- 61. Fan 1 blow cleaning duration --> [30]
- 62. Fan 1 blow cleaning speed --> [140]
- 63. Air pulse cleaning duration --> [0]
- 64. Chamber cleaning duration/rot. --> [0]
- 65. Ash extraction auger duration --> [0]
- 66. Ash extraction auger period --> [0]
- 67. ON temperature --> [60]
- 68. OFF temp./T1-T2 for max.modul.speed --> [50]
- 69. Anti-condensation exit temp. --> [45]
- 70. Heat up duration --> [80]
- 71. Fuel ignition temp. check samples --> [6]
- 72. Fuel ignition temperature rise --> [2]
- 73. User fuel feeder 1 ON time factor --> [100]
- 74. User fuel fan 1 speed factor --> [100]
- 75. Wood fuel fan 1 speed factor --> [100]
- 76. Selected configuration --> [4]
- 77. 2nd room temperature --> [0,0]
- 78. Flame ON level --> [110]
- 79. Flame OFF level --> [10]

- 80. Flame OFF detection delay --> [2]
- 81. Underpressure setpoint --> [0]
- 82. Min. (error) underpressure/airflow --> [0]
- 83. Underpressure/airflow error delay --> [0]
- 84. Accumulator temperature --> [0]
- 85. T1-T2 for water pump OFF --> [0]
- 86. Boiler to accu. temperature drop --> [0]
- 87. Keep fire fan 1 speed --> [160]
- 88. Keep fire feeder 1 ON time --> [3]
- 89. Keep fire fan 1 duration --> [15]
- 90. Keep fire period --> [20]
- 91. Feeder 2 delay/ON time factor --> [0]
- 92. Pellets quality --> [1]
- 93. Wood quality --> [1]
- 94. Time to service --> [0]
- 95. Stove cool fluid entry temp. diff. --> [0]
- 96. Stove cool fluid exit temp. diff. --> [0]
- 97. T1-T2 for min. modul. speed --> [0]
- 98. Full level --> [0]
- 99. Low level --> [0]
- 100. Empty level --> [0]
- 101. Blow out duration --> [120]
- 102. Antifreeze temperature --> [0]
- 103. Water pump minimum speed --> [80]
- 104. Water pump maximum speed --> [240]
- 105. Reserved 105 --> [0]

7.11 SM ECO 35 kW



Design type of burner and gear motor pellet dispenser:



Has to be : 4.4 rpm

Parameters:

0. Fuel ignition timeout --> [20]
1. Ignition test timeout --> [15]
2. Fuel type --> [0]
3. Heat up feeder OFF time --> [200]
4. Heat up feeder ON time --> [200]
5. Fuel ignition feeder 1 OFF time --> [200]
6. Fuel ignition feeder 1 ON time --> [30]
7. Ignition test feeder 1 OFF time --> [100]
8. Ignition test feeder 1 ON time --> [30]
9. Power 1 feeder 1 OFF time --> [40]
10. Power 1 feeder 1 ON time --> [15]
11. Power 2 feeder 1 OFF time --> [40]
12. Power 2 feeder 1 ON time --> [16]
13. Power 3 feeder 1 OFF time --> [40]
14. Power 3 feeder 1 ON time --> [17]
15. Power 4 feeder 1 OFF time --> [40]
16. Power 4 feeder 1 ON time --> [18]
17. Power 5 feeder 1 OFF time --> [40]
18. Power 5 feeder 1 ON time --> [20]
19. Stop fire fan 1 speed --> [200]
20. Test fire fan 1 speed --> [200]
21. Heat up fan 1 speed --> [100]
22. Fuel ignition fan 1 speed --> [150]
23. Ignition test fan 1 speed --> [161]
24. Power 1 fan 1 speed --> [137]
25. Power 2 fan 1 speed --> [140]

- 26. Power 3 fan 1 speed --> [150]
- 27. Power 4 fan 1 speed --> [160]
- 28. Power 5 fan 1 speed --> [170]
- 29. Test fire fan 2 speed --> [0]
- 30. Stop fire fan 2 speed --> [0]
- 31. Heat up fan 2 speed --> [0]
- 32. Fuel ignition fan 2 speed --> [0]
- 33. Ignition test fan 2 speed --> [0]
- 34. Power 1 fan 2 speed --> [0]
- 35. Power 2 fan 2 speed --> [0]
- 36. Power 3 fan 2 speed --> [0]
- 37. Power 4 fan 2 speed --> [0]
- 38. Power 5 fan 2 speed --> [0]
- 39. Quickheat fan 2 speed --> [0]
- 40. Stop fire fan 3 speed --> [0]
- 41. Test fire fan 3 speed --> [0]
- 42. Heat up fan 3 speed --> [0]
- 43. Fuel ignition fan 3 speed --> [0]
- 44. Ignition test fan 3 speed --> [0]
- 45. Power 1 fan 3 speed --> [0]
- 46. Power 2 fan 3 speed --> [0]
- 47. Power 3 fan 3 speed --> [0]
- 48. Power 4 fan 3 speed --> [0]
- 49. Power 5 fan 3 speed --> [0]
- 50. Cool fluid exit temp. diff. --> [10]
- 51. Water/air temperature --> [80]
- 52. Water temperature in stove mode --> [0]

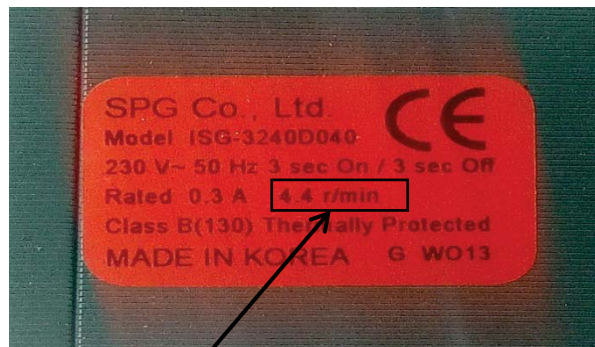
- 53. Cool fluid entry temp. diff. --> [0]
- 54. Ignition test gases temperature --> [55]
- 55. Modulation start gases temperature --> [255]
- 56. Heating device OFF gases temperature --> [60]
- 57. Maximum (error) gases temperature --> [255]
- 58. Fan 2 as ambient min. gases temp. --> [200]
- 59. No fuel (error) gases temperature --> [60]
- 60. Fan 1 blow cleaning period --> [30]
- 61. Fan 1 blow cleaning duration --> [30]
- 62. Fan 1 blow cleaning speed --> [140]
- 63. Air pulse cleaning duration --> [0]
- 64. Chamber cleaning duration/rot. --> [0]
- 65. Ash extraction auger duration --> [0]
- 66. Ash extraction auger period --> [0]
- 67. ON temperature --> [60]
- 68. OFF temp./T1-T2 for max.modul.speed --> [50]
- 69. Anti-condensation exit temp. --> [45]
- 70. Heat up duration --> [80]
- 71. Fuel ignition temp. check samples --> [6]
- 72. Fuel ignition temperature rise --> [2]
- 73. User fuel feeder 1 ON time factor --> [100]
- 74. User fuel fan 1 speed factor --> [100]
- 75. Wood fuel fan 1 speed factor --> [100]
- 76. Selected configuration --> [4]
- 77. 2nd room temperature --> [0,0]
- 78. Flame ON level --> [110]
- 79. Flame OFF level --> [10]

- 80. Flame OFF detection delay --> [2]
- 81. Underpressure setpoint --> [0]
- 82. Min. (error) underpressure/airflow --> [0]
- 83. Underpressure/airflow error delay --> [0]
- 84. Accumulator temperature --> [0]
- 85. T1-T2 for water pump OFF --> [0]
- 86. Boiler to accu. temperature drop --> [0]
- 87. Keep fire fan 1 speed --> [160]
- 88. Keep fire feeder 1 ON time --> [3]
- 89. Keep fire fan 1 duration --> [15]
- 90. Keep fire period --> [20]
- 91. Feeder 2 delay/ON time factor --> [0]
- 92. Pellets quality --> [1]
- 93. Wood quality --> [1]
- 94. Time to service --> [0]
- 95. Stove cool fluid entry temp. diff. --> [0]
- 96. Stove cool fluid exit temp. diff. --> [0]
- 97. T1-T2 for min. modul. speed --> [0]
- 98. Full level --> [0]
- 99. Low level --> [0]
- 100. Empty level --> [0]
- 101. Blow out duration --> [120]
- 102. Antifreeze temperature --> [0]
- 103. Water pump minimum speed --> [80]
- 104. Water pump maximum speed --> [240]
- 105. Reserved 105 --> [0]

7.12 SM ECO 50 kW



Design type of burner and gear motor pellet dispenser:



Has to be : 4.4 rpm

Parameters:

0. Fuel ignition timeout --> [30]
1. Ignition test timeout --> [15]
2. Fuel type --> [0]
3. Heat up feeder OFF time --> [100]
4. Heat up feeder ON time --> [200]
5. Fuel ignition feeder 1 OFF time --> [200]
6. Fuel ignition feeder 1 ON time --> [15]
7. Ignition test feeder 1 OFF time --> [150]
8. Ignition test feeder 1 ON time --> [30]
9. Power 1 feeder 1 OFF time --> [124]
10. Power 1 feeder 1 ON time --> [86]
11. Power 2 feeder 1 OFF time --> [115]
12. Power 2 feeder 1 ON time --> [92]
13. Power 3 feeder 1 OFF time --> [96]
14. Power 3 feeder 1 ON time --> [100]
15. Power 4 feeder 1 OFF time --> [90]
16. Power 4 feeder 1 ON time --> [110]
17. Power 5 feeder 1 OFF time --> [86]
18. Power 5 feeder 1 ON time --> [120]
19. Stop fire fan 1 speed --> [200]
20. Test fire fan 1 speed --> [200]
21. Heat up fan 1 speed --> [0]
22. Fuel ignition fan 1 speed --> [120]
23. Ignition test fan 1 speed --> [120]
24. Power 1 fan 1 speed --> [165]
25. Power 2 fan 1 speed --> [165]

- 26. Power 3 fan 1 speed --> [165]
- 27. Power 4 fan 1 speed --> [165]
- 28. Power 5 fan 1 speed --> [160]
- 29. Test fire fan 2 speed --> [170]
- 30. Stop fire fan 2 speed --> [170]
- 31. Heat up fan 2 speed --> [90]
- 32. Fuel ignition fan 2 speed --> [90]
- 33. Ignition test fan 2 speed --> [120]
- 34. Power 1 fan 2 speed --> [160]
- 35. Power 2 fan 2 speed --> [170]
- 36. Power 3 fan 2 speed --> [170]
- 37. Power 4 fan 2 speed --> [170]
- 38. Power 5 fan 2 speed --> [170]
- 39. Quickheat fan 2 speed --> [175]
- 40. Stop fire fan 3 speed --> [0]
- 41. Test fire fan 3 speed --> [0]
- 42. Heat up fan 3 speed --> [0]
- 43. Fuel ignition fan 3 speed --> [0]
- 44. Ignition test fan 3 speed --> [0]
- 45. Power 1 fan 3 speed --> [0]
- 46. Power 2 fan 3 speed --> [0]
- 47. Power 3 fan 3 speed --> [0]
- 48. Power 4 fan 3 speed --> [0]
- 49. Power 5 fan 3 speed --> [0]
- 50. Cool fluid exit temp. diff. --> [10]
- 51. Water/air temperature --> [80]
- 52. Water temperature in stove mode --> [0]

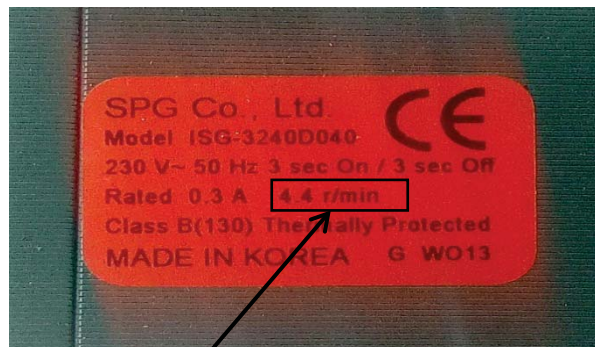
- 53. Cool fluid entry temp. diff. --> [0]
- 54. Ignition test gases temperature --> [60]
- 55. Modulation start gases temperature --> [255]
- 56. Heating device OFF gases temperature --> [55]
- 57. Maximum (error) gases temperature --> [255]
- 58. Fan 2 as ambient min. gases temp. --> [10]
- 59. No fuel (error) gases temperature --> [55]
- 60. Fan 1 blow cleaning period --> [10]
- 61. Fan 1 blow cleaning duration --> [30]
- 62. Fan 1 blow cleaning speed --> [180]
- 63. Air pulse cleaning duration --> [0]
- 64. Chamber cleaning duration/rot. --> [0]
- 65. Ash extraction auger duration --> [0]
- 66. Ash extraction auger period --> [0]
- 67. ON temperature --> [60]
- 68. OFF temp./T1-T2 for max.modul.speed --> [50]
- 69. Anti-condensation exit temp. --> [45]
- 70. Heat up duration --> [180]
- 71. Fuel ignition temp. check samples --> [3]
- 72. Fuel ignition temperature rise --> [1]
- 73. User fuel feeder 1 ON time factor --> [100]
- 74. User fuel fan 1 speed factor --> [100]
- 75. Wood fuel fan 1 speed factor --> [100]
- 76. Selected configuration --> [4]
- 77. 2nd room temperature --> [0.0]
- 78. Flame ON level --> [0]
- 79. Flame OFF level --> [0]

- 80. Flame OFF detection delay --> [0]
- 81. Underpressure setpoint --> [200]
- 82. Min. (error) underpressure/airflow --> [0]
- 83. Underpressure/airflow error delay --> [0]
- 84. Accumulator temperature --> [0]
- 85. T1-T2 for water pump OFF --> [0]
- 86. Boiler to accu. temperature drop --> [0]
- 87. Keep fire fan 1 speed --> [160]
- 88. Keep fire feeder 1 ON time --> [3]
- 89. Keep fire fan 1 duration --> [15]
- 90. Keep fire period --> [20]
- 91. Feeder 2 delay/ON time factor --> [0]
- 92. Pellets quality --> [1]
- 93. Wood quality --> [1]
- 94. Time to service --> [0]
- 95. Stove cool fluid entry temp. diff. --> [0]
- 96. Stove cool fluid exit temp. diff. --> [0]
- 97. T1-T2 for min. modul. speed --> [0]
- 98. Full level --> [0]
- 99. Low level --> [0]
- 100. Empty level --> [0]
- 101. Blow out duration --> [60]
- 102. Antifreeze temperature --> [0]
- 103. Water pump minimum speed --> [80]
- 104. Water pump maximum speed --> [240]
- 105. Reserved 105 --> [0]

7.13 SM ECO 70 kW



Design type of burner and gear motor pellet dispenser:



Has to be : 4.4 rpm

Parameters:

0. Fuel ignition timeout --> [30]
1. Ignition test timeout --> [20]
2. Fuel type --> [0]
3. Heat up feeder OFF time --> [100]
4. Heat up feeder ON time --> [200]
5. Fuel ignition feeder 1 OFF time --> [150]
6. Fuel ignition feeder 1 ON time --> [20]
7. Ignition test feeder 1 OFF time --> [150]
8. Ignition test feeder 1 ON time --> [30]
9. Power 1 feeder 1 OFF time --> [90]
10. Power 1 feeder 1 ON time --> [110]
11. Power 2 feeder 1 OFF time --> [90]
12. Power 2 feeder 1 ON time --> [120]
13. Power 3 feeder 1 OFF time --> [90]
14. Power 3 feeder 1 ON time --> [130]
15. Power 4 feeder 1 OFF time --> [70]
16. Power 4 feeder 1 ON time --> [150]
17. Power 5 feeder 1 OFF time --> [70]
18. Power 5 feeder 1 ON time --> [150]
19. Stop fire fan 1 speed --> [230]
20. Test fire fan 1 speed --> [200]
21. Heat up fan 1 speed --> [0]
22. Fuel ignition fan 1 speed --> [120]
23. Ignition test fan 1 speed --> [120]
24. Power 1 fan 1 speed --> [165]
25. Power 2 fan 1 speed --> [165]

- 26. Power 3 fan 1 speed --> [165]
- 27. Power 4 fan 1 speed --> [165]
- 28. Power 5 fan 1 speed --> [160]
- 29. Test fire fan 2 speed --> [180]
- 30. Stop fire fan 2 speed --> [80]
- 31. Heat up fan 2 speed --> [80]
- 32. Fuel ignition fan 2 speed --> [80]
- 33. Ignition test fan 2 speed --> [120]
- 34. Power 1 fan 2 speed --> [160]
- 35. Power 2 fan 2 speed --> [170]
- 36. Power 3 fan 2 speed --> [170]
- 37. Power 4 fan 2 speed --> [170]
- 38. Power 5 fan 2 speed --> [170]
- 39. Quickheat fan 2 speed --> [175]
- 40. Stop fire fan 3 speed --> [0]
- 41. Test fire fan 3 speed --> [0]
- 42. Heat up fan 3 speed --> [0]
- 43. Fuel ignition fan 3 speed --> [0]
- 44. Ignition test fan 3 speed --> [0]
- 45. Power 1 fan 3 speed --> [0]
- 46. Power 2 fan 3 speed --> [0]
- 47. Power 3 fan 3 speed --> [0]
- 48. Power 4 fan 3 speed --> [0]
- 49. Power 5 fan 3 speed --> [0]
- 50. Cool fluid exit temp. diff. --> [10]
- 51. Water/air temperature --> [76]
- 52. Water temperature in stove mode --> [0]

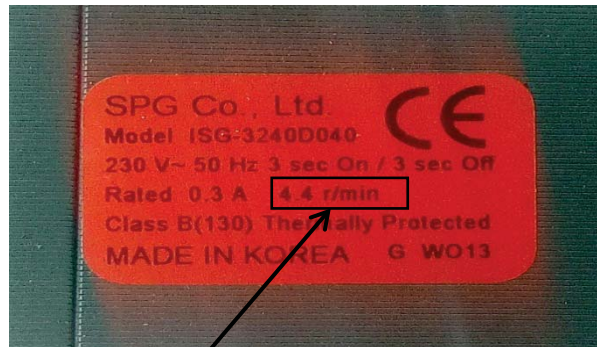
- 53. Cool fluid entry temp. diff. --> [0]
- 54. Ignition test gases temperature --> [60]
- 55. Modulation start gases temperature --> [255]
- 56. Heating device OFF gases temperature --> [55]
- 57. Maximum (error) gases temperature --> [255]
- 58. Fan 2 as ambient min. gases temp. --> [10]
- 59. No fuel (error) gases temperature --> [55]
- 60. Fan 1 blow cleaning period --> [0]
- 61. Fan 1 blow cleaning duration --> [0]
- 62. Fan 1 blow cleaning speed --> [0]
- 63. Air pulse cleaning duration --> [0]
- 64. Chamber cleaning duration/rot. --> [0]
- 65. Ash extraction auger duration --> [0]
- 66. Ash extraction auger period --> [0]
- 67. ON temperature --> [60]
- 68. OFF temp./T1-T2 for max.modul.speed --> [50]
- 69. Anti-condensation exit temp. --> [45]
- 70. Heat up duration --> [150]
- 71. Fuel ignition temp. check samples --> [3]
- 72. Fuel ignition temperature rise --> [1]
- 73. User fuel feeder 1 ON time factor --> [100]
- 74. User fuel fan 1 speed factor --> [100]
- 75. Wood fuel fan 1 speed factor --> [100]
- 76. Selected configuration --> [4]
- 77. 2nd room temperature --> [0,0]
- 78. Flame ON level --> [0]
- 79. Flame OFF level --> [0]

- 80. Flame OFF detection delay --> [0]
- 81. Underpressure setpoint --> [200]
- 82. Min. (error) underpressure/airflow --> [0]
- 83. Underpressure/airflow error delay --> [0]
- 84. Accumulator temperature --> [0]
- 85. T1-T2 for water pump OFF --> [0]
- 86. Boiler to accu. temperature drop --> [0]
- 87. Keep fire fan 1 speed --> [160]
- 88. Keep fire feeder 1 ON time --> [3]
- 89. Keep fire fan 1 duration --> [15]
- 90. Keep fire period --> [20]
- 91. Feeder 2 delay/ON time factor --> [0]
- 92. Pellets quality --> [1]
- 93. Wood quality --> [1]
- 94. Time to service --> [0]
- 95. Stove cool fluid entry temp. diff. --> [0]
- 96. Stove cool fluid exit temp. diff. --> [0]
- 97. T1-T2 for min. modul. speed --> [0]
- 98. Full level --> [0]
- 99. Low level --> [0]
- 100. Empty level --> [0]
- 101. Blow out duration --> [60]
- 102. Antifreeze temperature --> [0]
- 103. Water pump minimum speed --> [80]
- 104. Water pump maximum speed --> [240]
- 105. Reserved 105 --> [0]

7.14 SM ECO 100 kW



Design type of burner and gear motor pellet dispenser:



Has to be : 4.4 rpm

Parameters:

0. Fuel ignition timeout --> [30]
1. Ignition test timeout --> [20]
2. Fuel type --> [0]
3. Heat up feeder OFF time --> [200]
4. Heat up feeder ON time --> [200]
5. Fuel ignition feeder 1 OFF time --> [150]
6. Fuel ignition feeder 1 ON time --> [10]
7. Ignition test feeder 1 OFF time --> [200]
8. Ignition test feeder 1 ON time --> [30]
9. Power 1 feeder 1 OFF time --> [150]
10. Power 1 feeder 1 ON time --> [30]
11. Power 2 feeder 1 OFF time --> [100]
12. Power 2 feeder 1 ON time --> [50]
13. Power 3 feeder 1 OFF time --> [90]
14. Power 3 feeder 1 ON time --> [50]
15. Power 4 feeder 1 OFF time --> [90]
16. Power 4 feeder 1 ON time --> [60]
17. Power 5 feeder 1 OFF time --> [80]
18. Power 5 feeder 1 ON time --> [70]
19. Stop fire fan 1 speed --> [200]
20. Test fire fan 1 speed --> [200]
21. Heat up fan 1 speed --> [0]
22. Fuel ignition fan 1 speed --> [140]
23. Ignition test fan 1 speed --> [160]
24. Power 1 fan 1 speed --> [145]
25. Power 2 fan 1 speed --> [145]

- 26. Power 3 fan 1 speed --> [145]
- 27. Power 4 fan 1 speed --> [145]
- 28. Power 5 fan 1 speed --> [145]
- 29. Test fire fan 2 speed --> [220]
- 30. Stop fire fan 2 speed --> [180]
- 31. Heat up fan 2 speed --> [150]
- 32. Fuel ignition fan 2 speed --> [180]
- 33. Ignition test fan 2 speed --> [185]
- 34. Power 1 fan 2 speed --> [180]
- 35. Power 2 fan 2 speed --> [180]
- 36. Power 3 fan 2 speed --> [180]
- 37. Power 4 fan 2 speed --> [180]
- 38. Power 5 fan 2 speed --> [180]
- 39. Quickheat fan 2 speed --> [180]
- 40. Stop fire fan 3 speed --> [0]
- 41. Test fire fan 3 speed --> [0]
- 42. Heat up fan 3 speed --> [0]
- 43. Fuel ignition fan 3 speed --> [0]
- 44. Ignition test fan 3 speed --> [0]
- 45. Power 1 fan 3 speed --> [0]
- 46. Power 2 fan 3 speed --> [0]
- 47. Power 3 fan 3 speed --> [0]
- 48. Power 4 fan 3 speed --> [0]
- 49. Power 5 fan 3 speed --> [0]
- 50. Cool fluid exit temp. diff. --> [3]
- 51. Water/air temperature --> [75]
- 52. Water temperature in stove mode --> [0]

- 53. Cool fluid entry temp. diff. --> [0]
- 54. Ignition test gases temperature --> [85]
- 55. Modulation start gases temperature --> [255]
- 56. Heating device OFF gases temperature --> [80]
- 57. Maximum (error) gases temperature --> [255]
- 58. Fan 2 as ambient min. gases temp. --> [10]
- 59. No fuel (error) gases temperature --> [90]
- 60. Fan 1 blow cleaning period --> [10]
- 61. Fan 1 blow cleaning duration --> [30]
- 62. Fan 1 blow cleaning speed --> [220]
- 63. Air pulse cleaning duration --> [0]
- 64. Chamber cleaning duration/rot. --> [0]
- 65. Ash extraction auger duration --> [0]
- 66. Ash extraction auger period --> [0]
- 67. ON temperature --> [60]
- 68. OFF temp./T1-T2 for max.modul.speed --> [50]
- 69. Anti-condensation exit temp. --> [45]
- 70. Heat up duration --> [160]
- 71. Fuel ignition temp. check samples --> [6]
- 72. Fuel ignition temperature rise --> [2]
- 73. User fuel feeder 1 ON time factor --> [100]
- 74. User fuel fan 1 speed factor --> [100]
- 75. Wood fuel fan 1 speed factor --> [100]
- 76. Selected configuration --> [4]
- 77. 2nd room temperature --> [0.0]
- 78. Flame ON level --> [0]
- 79. Flame OFF level --> [0]

- 80. Flame OFF detection delay --> [0]
- 81. Underpressure setpoint --> [200]
- 82. Min. (error) underpressure/airflow --> [0]
- 83. Underpressure/airflow error delay --> [0]
- 84. Accumulator temperature --> [0]
- 85. T1-T2 for water pump OFF --> [0]
- 86. Boiler to accu. temperature drop --> [0]
- 87. Keep fire fan 1 speed --> [160]
- 88. Keep fire feeder 1 ON time --> [3]
- 89. Keep fire fan 1 duration --> [15]
- 90. Keep fire period --> [20]
- 91. Feeder 2 delay/ON time factor --> [0]
- 92. Pellets quality --> [1]
- 93. Wood quality --> [1]
- 94. Time to service --> [0]
- 95. Stove cool fluid entry temp. diff. --> [0]
- 96. Stove cool fluid exit temp. diff. --> [0]
- 97. T1-T2 for min. modul. speed --> [0]
- 98. Full level --> [0]
- 99. Low level --> [0]
- 100. Empty level --> [0]
- 101. Blow out duration --> [60]
- 102. Antifreeze temperature --> [0]
- 103. Water pump minimum speed --> [80]
- 104. Water pump maximum speed --> [240]
- 105. Reserved 105 --> [0]