Electronic control specifications

REV.	MODIFICATION	DATE
00	First version	11/2012

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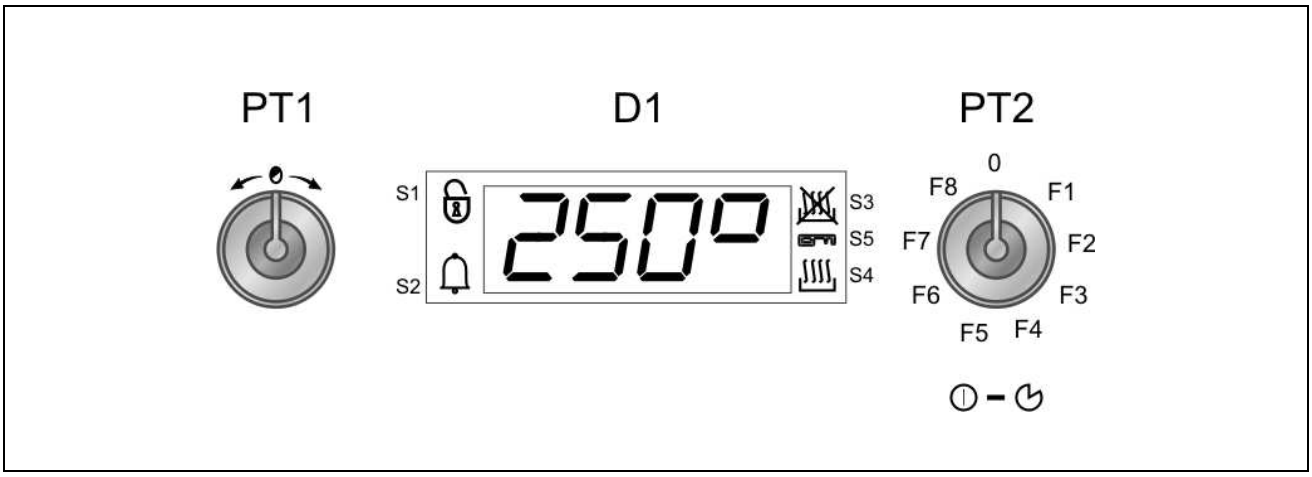
1 SWITCHING THE OVEN LIGHT ON AND OFF



- STAND-BY CONDITION:
  - It must be possible to switch the oven light on and off by turning PT1 clockwise or anticlockwise, with immediate release (within one second).

- ON CONDITION:
  - **OVEN LIGHT ON configuration**

→ With the cooking started, light switched on during preheating or cooking. If PT1 is turned briefly, the light switches off/on.
→ The oven light is on when the door is open (on models with door microswitch).

  - **OVEN LIGHT OFF configuration**

→ In STAND-BY condition or when automatic cooking has been programmed (until the cooking starts). The light can be switched on by rotating PT1 quickly.
→ The pyrolysis function is active (on pyrolytic models only)
→ The Vapor Clean function is active (on models fitted with this function)
→ The door lock is active
→ No cooking functions active
→ Temperature at the probe > 470°C
→ Activating the appropriate control on the display (on models with this function)

2 FUNCTIONS

2.1 Eco Pyrolysis and Pyrolysis setting

When these functions are selected using PT2, display D1 will show the current time. To activate the function, press PT1, the symbol S4 will flash: 01:30 will appear on the display.
In the case of ECO Pyrolysis, the duration is fixed and cannot be modified. Pyrolysis will activate after 5 seconds.
In the case of standard Pyrolysis, the duration can be set between 1 hour 30 minutes and 3 hours by turning PT1. Pyrolysis will activate after 5 seconds. During the pyrolysis, the set temperature can be changed by pressing then turning PT1.
When the pyrolysis starts, the word “Pyro” appears on the display.
It must not be possible to start other cooking functions even when pyrolysis is completed but the door lock is still activated.

FUNCTIONING OF THE TANGENTIAL COOLING MOTOR WITH ECO PYROLYSIS/PYROLYSIS:

When the eco pyrolysis/pyrolysis is selected, the tangential motor starts immediately to work at the maximum power. Once the cleaning cycle ends, the tangential motor works at the maximum power till the inner temperature decreases under 300°C. Then the tangential motor works at the lower power and it switches off once the inner temperature is under 150°C.

Tabella 13: Gestione ECO

	Step 1		Step 2		Step 3		Step 4		Step 5	
Tset [ºC]	ECO_s1_Tset	0	ECO_s2_Tset	0	ECO_s3_Tset	0	ECO_s4_Tset	0	ECO_s5_Tset	0
AT [ºC]	ECO_s1_AT	0	ECO_s2_AT	0	ECO_s3_AT	0	ECO_s4_AT	0	ECO_s5_AT	0
%ECORL2	%ECO_s1_ratioECORL2	40	%ECO_s2_ratioECORL2	30	%ECO_s3_ratioECORL2	0	%ECO_s4_ratioECORL2	30	%ECO_s5_ratioECORL2	30
%ECORL4	%ECO_s1_ratioECORL4	60	%ECO_s2_ratioECORL4	70	%ECO_s3_ratioECORL4	0	%ECO_s4_ratioECORL4	70	%ECO_s5_ratioECORL4	70
%ECORL3	%ECO_s1_ratioECORL3	0	%ECO_s2_ratioECORL3	0	%ECO_s3_ratioECORL3	0	%ECO_s4_ratioECORL3	0	%ECO_s5_ratioECORL3	0
%ECORL5	%ECO_s1_ratioECORL5	0	%ECO_s2_ratioECORL5	0	%ECO_s3_ratioECORL5	0	%ECO_s4_ratioECORL5	0	%ECO_s5_ratioECORL5	0
Twait [sec.]	%ECO_s1_Twait	1200	%ECO_s2_Twait	1200	%ECO_s3_Twait	360	%ECO_s4_Twait	18000	%ECO_s5_Twait	18000
MTV-INT (0,1)	%ECO_s1_MTV_INT	0	%ECO_s2_MTV_INT	0	%ECO_s3_MTV_INT	0	%ECO_s4_MTV_INT	0	%ECO_s5_MTV_INT	0
MTV-RAF (0,1)	%ECO_s1_MTV_RAF	1	%ECO_s2_MTV_RAF	1	%ECO_s3_MTV_RAF	1	%ECO_s4_MTV_RAF	1	%ECO_s5_MTV_RAF	1

2.2 Managing the door lock

ACTIVE condition	If the T probe is > 520°C European version If the T probe is > 520°C American version When the door lock is engaged, the oven must behave as follows: •All the heating element relays are opened •Cooling fan motor ON (max. speed) •Rotisserie motor OFF
	If the set function is “PYROLYSIS”
INACTIVE condition	If the set function is not “PYROLYSIS” and the T probe is < 520°C Europe, T probe < 520°C America

2.3 defrosting and proving function

- Defrosting: Setting Tcf 30°C, internal fan ON, Rg only active to maintain the Tset
- Proving: Setting Tcf 40℃, internal fan OFF, Rg only active to maintain the Tset
- Cooking function Setting Tcf >= 50°C: in this case, FAN ON, Rg/Rs active to maintain the Tset

2.4 "Vapor Clean" operation

Activate the "Vapor Clean" function as follows:

No.	PROCEDURE	DISPLAY
1	Turn PT2.	"Vapor Clean" function selection D1 displays the cooking time default value 18 minutes
2	Press PT1	Function active; S4 ON D1 displays the countdown
3	End of timer reached.	D1 displays the flashing text "StOP" Buzzer ON: continuous pulses with no time limit. Press PT1 to silence the buzzer.
4	Turn PT2.	Return to Stand-by or a cooking function

Selecting the Vapor Clean function, the oven activates in the same manner as in the static function (GRILL + BOTTOM), oven fan OFF, oven light OFF, Tangential fan at maximum speed.
Unlike the other functions, when temperature Tset is reached, there is no Beep to indicate the end of preheating.
With the Vapor Clean function, the temperature and time parameters are preset and cannot be configured.

3- SECONDARY MENU (child lock, showroom mode)

The secondary menu enables the user to:

- activate or deactivate the child lock
- activate or deactivate show room mode (which deactivates all the heating elements, allowing only the front control panel to operate)
- activate or deactivate the low power mode

 ***Temperature knob***	With the appliance in the standby state, keep the temperature selection knob pressed for at least 5 seconds.
	Rotate the temperature selection knob right or left to change the setting status (ON/OFF).
	Press the temperature selection knob to move to the next setting.

Child lock mode

	When this mode is active, after one minute of operation without any intervention by the user, the controls are automatically locked and the following symbol is displayed  .
 ***temperature knob***	To deactivate the child lock during cooking, keep the temperature selection knob pressed for 5 seconds. One minute after the last setting operation, the lock will re-activate.
If any of the symbols on the touch zone are pressed or if the positions of the thermostat or function selection knobs are changed, the word BLOC will be displayed for two seconds.	

Showroom mode (for exhibitors only)

	When you activate this mode, the appliance deactivates all the heating elements while keeping the control panel active. To use the oven normally you need to set this mode to OFF.

Starting from the OFF condition, the Show Room function switches on as follows:

N°	PROCEDURE	DISPLAY
0	Press PT1 for at least 5 seconds	The word "OFF" appears on D1 The word "BLOC" appears on D2
1	Press PT1	The word "OFF" appears on D1 The word "SHOW" appears on D2
2	Turn PT1 clockwise	The T1 display shows "ON"
3	Turn PT1 clockwise	The D1 display shows "OFF"
4	After setting the configuration as desired, in 10 seconds, or after pressing PT2	The configuration is saved in the flash memory and will be presented again after a power outage on the oven, then the over returns to the OFF condition

For the multifunction model, activating the Show Room function is signalled in all the conditions by S8 ON.
In order to deactivate the Show Room configuration, repeat the same procedure again. When the show room configuration is activated, in “manual cooking” mode, the word “SHO” appears on the D2 display once a minute for 3 seconds.

Low power mode

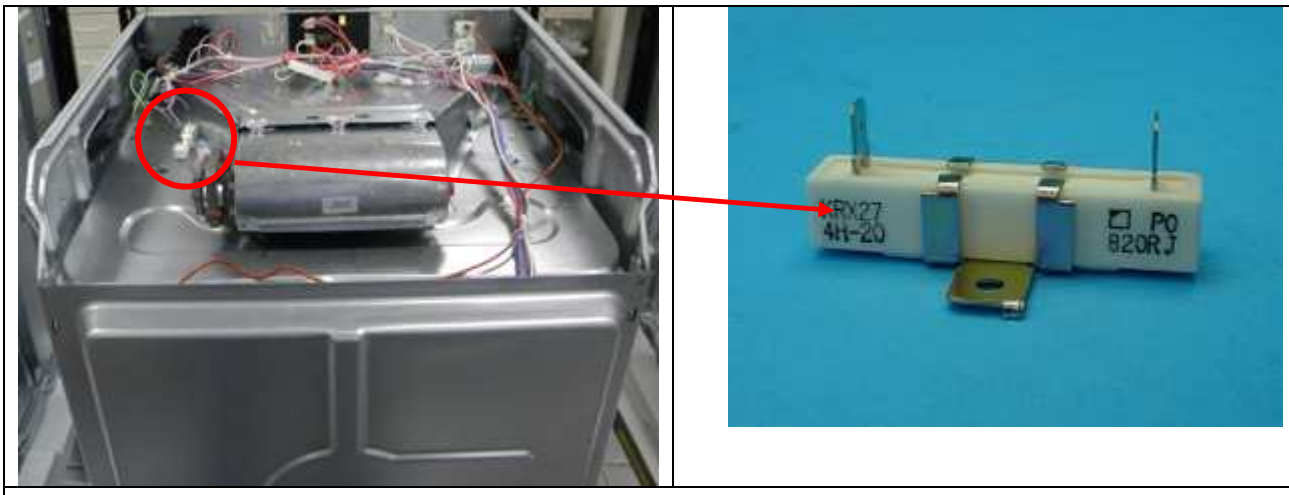
	When you activate this mode the appliance will limit the amount of power used. HI: normal power LO: low power
When low power mode is activated the preheating and cooking times may be longer.	

4 OVEN SAFETY

A continuous operation safety limit of 13 hours has been set for the oven. After this time, the oven is set to stand-by and all loads are OFF.

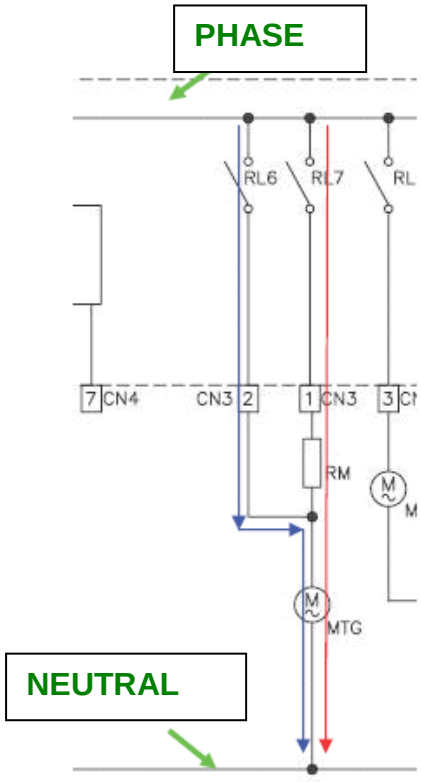
5- MANAGING THE DUAL SPEED COOLING FAN MOTOR

The tangential cooling fan functioning with double speed can be identified through the ceramic resistor presence (470ohm or 820ohm according to the models).
n.b: refer to related spare part catalogues to identify the models equipped with the ceramic resistor.



POSITION OF THE CERAMIC RESISTOR

CERAMIC RESISTOR FUNCTIONING:



Maximum speed > **BLUE** line > the relay R6 closes, the tangential motor is directly connected between phase and neutral and it's supplied with a supply voltage (230V)

Minimum speed > **RED** line > the relay R7 closes, the tangential motor works together with the ceramic resistor. The resistor controls the motor in order to supply a lower voltage instead of 230V. This reduces the motor speed.

Version	Phase	Activation	Deactivation	Operation
Multifunction	Cooking duration	Immediate		Maximum speed
	End of cooking	If Tcf > 150℃		Half speed
			If Tcf > 150℃	Off
Pyrolytic	Pyrolysis duration	Immediate		Maximum speed
	End of pyrolysis	If Tcf > 280°C		Half speed
			If Tcf > 150℃	Off
	Cooking duration	Immediate		Half speed
		If Tcf > 280°C		Maximum speed
	End of cooking	If Tcf > 150° C		Half speed
			If Tcf > 150℃	Off

6- MANAGING THE SINGLE SPEED COOLING FAN MOTO

Version	Phase	Activation	Deactivation
Multifunction	During cooking and at end of cooking	If Tcf > 150℃	
			If Tcf > 150℃
Pyrolytic	Pyrolysis duration	Immediate	
	End of pyrolysis		If Tcf > 150℃
	Cooking duration	Immediate	
	End of cooking		If Tcf > 150℃

7- TEST CYCLE

→ PROCEDURE FOR APPLIANCES WITH VERSION 1 ELECTRONICS, i.e. produced up to 27/09/2009 (for more information on the modification, refer to the relative spare parts catalogue)

Activation procedure:

a. Switch on the oven with PT2 at the first position on the left of the "0": "00:00" appears flashing.
b. Hold down PT1 for at least 5 seconds to enter testing:
c. All segments of D1 ON and all L1 and L2 **ON** symbols (where provided) On.
d. Rotate PT2 to position 0. Press PT1: COLL appears on D1.
e. Turn PT2 clockwise. For each selected function, D1 displays the corresponding test procedure step. For each step, the various devices are activated as shown in the table below:

	P1	P2	P3	P4	P5	P6	P7	P8
MTG max: **2 CN3 (RL6)**	ON							
MTG min: **1 CN3 (RL7)**		ON						
Oven light **4 CN3-5 CN3 (RL1)**	ON	ON **with door open**						
Fan: **3 CN3 (RL8)**		ON OFF **with door open**						
Rotisserie: **8 CN4 (TR2)**		ON						
Door lock: **3 CN4 (RL10)**	ON	ON	ON	ON	ON	ON	ON	ON
Indicator light S1	ON **if DL activated**	ON **if DL activated**	ON **if DL activated**	ON **if DL activated**	ON **if DL activated**	ON **if DL activated**	ON **if DL activated**	ON **if DL activated**
Buzzer				ON **with door open or without µP**				ON **if MC1 and MC2 ON**
R Grill element: **3 CN1 (RL2)**			ON					
Bottom element: **6 CN1 (RL4)**				ON				
Circular element: **5 CN1 (RL3)**					ON			
Roof element: **4 CN1 (RL5)**						ON		
Magnetron / aux: **CN9 (RL9)**							ON	

- Activate PT1 in sequence as follows: Rotation left, push, rotation right (repeat cycle twice). The display shows the activations of the knob, numbering them from 1 to 6.
- Return PT2 to position 0: End of test: board switches to OFF state, the time flashes on D1.

→ PROCEDURE FOR APPLIANCES WITH VERSION 2 ELECTRONICS, produced as from 28/09/2009 (for more information on the modification, refer to the relative spare parts catalogue)

Repeat points a, b, c, d of the preceding paragraph.

e. Turn PT2 clockwise. For each selected function, D1 displays the corresponding test procedure step. For each step, the various devices are activated as shown in the table below:

	P1	P2	P3	P4	P5	P6	P7	P8
MTG max: **1 CN2 (RL3)**	ON	ON **in the case of single speed**						
MTG min: **5 CN1 (RL5)**		ON **in the case of dual speed**						
Oven light **2 CN2 (RL1)**	ON	ON **with door open**						
Fan: **6 CN1 (RL6)**		ON OFF **with door open**						
Rotisserie: **3 CN2 (TR2)**		ON						
Door lock: **4 CN2 (RL7)**	ON	ON	ON	ON	ON	ON	ON	ON
Indicator light S1	ON **if DL activated**	ON **if DL activated**	ON **if DL activated**	ON **if DL activated**	ON **if DL activated**	ON **if DL activated**	ON **if DL activated**	ON **if DL activated**
Buzzer				ON **with door open or without µP**				
R Grill: **4 CN1 (RL4)**			ON					
Bottom element: **3 CN1 (RL2)**				ON				

- Activate PT1 in sequence as follows: Rotation left, push, rotation right (repeat cycle twice). The display shows the activations of the knob, numbering them from 1 to 6.
- Return PT2 to position 0: End of test: board switches to OFF state, the time flashes on D1.

In the case where the tangential motor does not have a dual speed, when the 2nd function is selected, the tangential motor runs at maximum speed.
During the test, the electronic circuit board also checks the temperature sensor connection. In the case of an open circuit or short circuit, **"Err1**" appears on D1 and the test is interrupted. If, however, the result of the test is positive, nothing appears on the display and the testing procedure continues.

8- ERROR MANAGEMENT

Some error conditions for devices in the oven are managed by the software and shown on display D1 as follows:

Err1: Defective sensor (open or short-circuited)

This is detected by the software when the signal at the A/D converter, then recalculated based on the voltage/temperature conversion table, continuously indicates an internal oven compartment temperature beyond the range -40°C < Tcf < 600°C for at least 15 seconds.
In this case, the program in progress stops immediately, all loads open, the cooling motor continues to operate and the alarm is displayed on the user interface in the manner prescribed for each user interface. The program continues to check the sensor input and, if the error condition is no longer present for at least 5 continuous seconds, the error is reset. The interrupted cooking process is not restarted, however. To reset the error switch the oven to the OFF condition. The cooling motor continues to operate for 1h after the OFF condition setting.

Err2: overtemperature error

Activated in the following cases: If, during a normal cooking program (pyrolysis is excluded from this check), the TSonda exceeds 520°C; the software performs the following operations:

- The door lock is closed
- All the relays are opened
- Relay/Triac cooling motor fan ON
- Rotisserie triac OFF
- Buzzer sounds intermittently with a frequency of 1Hz.

To reset the error switch the oven to the OFF condition.

Err3: Error probe incorrectly positioned

The software detects bad positioning of the temperature sensor. As an open sensor or short circuit error is managed directly as an error condition, the following algorithm ensures that a badly positioned (but operating) sensor, which would consequently prevent a correct reading of the internal temperature, cannot cause safety problems for the user.
The management conditions of the error are as follows:

- In Position 0: Test inactive, the alarm does not sound and if the circuit board is in an alarm state, the condition will remain in place for 10 minutes.
- In Cooking Position - Test active for 20 minutes.
  - If the SET POINT is reached within 20 minutes → the test will end with a positive result
  - If 80°C is exceeded within 20 minutes → the test will end with a positive result
  - If neither of the two previous conditions occurs within 20 minutes → Alarm (frequency 1 Hz) → all relays OFF; the display will show “ERR3”
  - If the selector is set to OFF → the buzzer will be switched off but the alarm will remain active until the 10th minute afterwards
  - If the selector is set to “0” during the Test → End of Test
  - If the door is opened, the remaining test time will increase by the time for which it was open, up to a maximum of 10 minutes
  - If the TIMER is OFF, the test time will remain frozen until cooking starts (as in the case of Delayed Cooking)
  - If the timer interrupts cooking, the remaining test time will increase by the interruption time, up to a maximum of 10 minutes
  - If the user moves from one program to another, the test will continue; if it was terminated, it will not restart
  - Position the function selector to “0” to restart the test

This error is not managed in the presence of a door lock activation thermostat

Err4: Door lock microswitch activation error

Pyrolysis: when the door lock is activated, if the door lock microswitch is not activated within 90 seconds (mechanical problem or the door is slightly distanced from the front so that the door microswitch is activated, but the door lock microswitch is not), pyrolysis is interrupted and the buzzer sounds (1Hz). The display shows the alarm as prescribed by the user interface. The alarm is reset by putting the oven into stand-by condition or by switching the function selector to 0

Regardless of the cause of activation of the door lock (pyrolysis, alarm or breaking of the door lock), if the lock microswitch is activated, the electronic circuit board will be as follows:

- Selector position on Pyrolysis → all OK
- Selector position on STOP → all OK
- Selector position on a different setting → alarm condition and Buzzer sounding The alarm is reset by putting the oven into stand-by condition

Err5: Circular heating element error

This error is only detected during the appliance test procedure.

The error is detected if the circular heater element is active when the relative function is not selected (standard operating test abnormality). The RL8 oven fan must be activated.

The error does not appear on the display.

Err6: Internal fan motor error

This error is only detected during the appliance test procedure.

This error is detected if, when a function is selected, internal fan motor (if required for the function) is disconnected or not working.

In this case, the program in progress stops immediately, all loads open and the alarm is displayed on the user interface in the manner prescribed for each user interface, the buzzer is activated (1Hz). The alarm is reset by putting the oven into stand-by condition or by switching the function selector to 0

Err8: Tangential motor error

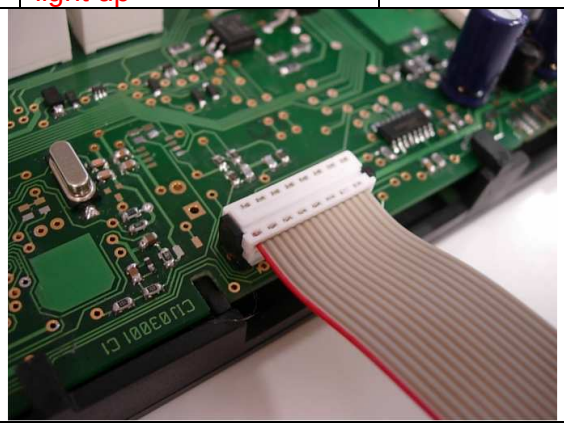
This error is only detected during the appliance test procedure.

This error is detected if, when a function is selected, the tangential motor is disconnected or not working.

In this case, the program in progress stops immediately, all loads open and the alarm is displayed on the user interface in the manner prescribed for each user interface, the buzzer is activated (1Hz). The alarm is reset by putting the oven into stand-by condition or by switching the function selector to 0

9- TROUBLESHOOTING

9.1 Troubleshooting SERIES SF/SFP109 MODELS

n.	Fault	Reason	Action
1	A segment of the display does not light up, a function led does not light up	Faulty welding LED faulty	Replace the display board only
2	After the oven is switched on, the display flashes and the oven cannot be used	Potentiometer connecting wire not fixed correctly	Check that the wire is fixed properly, if necessary replace it
		Power board flat cable not fixed correctly	Check that the wire is fixed properly, if necessary replace it
		Potentiometer faulty	To carry out an initial check, disconnect and reverse the two potentiometers (these are the same). If the result is negative, replace the potentiometer.
3	A knob does not light up correctly	Knob light board connecting wire not fixed correctly	Check that the wire is fixed properly, if necessary replace it
		Board faulty or individual led defective	Replace the entire knob light unit (2 boards + wire).
4	The display does not light up	Flat cable not connected correctly	
			Check the flat cable connection, if necessary replace it, checking the polarity
			Make sure that the connector is connected properly

4	The display does not light up	Card-edge power connector of the power board is not fixed correctly	Check the flat cable connection, if necessary replace it, checking the polarity
		Power supply wires are not correctly fixed to the card-edge connector	Use a tester the check for the presence of 220V mains voltage on poles CN4-1 and CN4-2. If there is no voltage check the wiring
5	The internal oven fan does not work	The motor is jammed or does not work	Check the motor and replace if necessary
			Use a separate 220V connection to the motor and check it's operation
		The power supply relay to the motor has tripped	Replace the power board
		Power supply wires are not correctly fixed to the connectors or the circuit board relays are not working	Carry out a cooking operation using the internal fan and check the continuity on poles CN1-1 and CN4-3. If there is no continuity, replace the board

6	The tangential fan does not work or half speed does not work properly	The motor is jammed or does not work	Check the motor and replace if necessary
			Use a separate 220V connection to the motor and check it's operation
		Power supply wires are not correctly fixed to the connectors or the circuit board relays are not working	Carry out a cooking operation and check the continuity on poles • CN1-1 and CN3-1, half speed • CN1-1 and CN3-2, maximum speed If there is no continuity, a relay is faulty or there is another fault on the board -> replace it

7	The oven doe not emit any audible signals	Buzzer is not working	Replace the power board
8	The oven switches off and, after cooling down, restarts	The board thermal relay has tripped due to overheating	Check that the oven has been assembled correctly (fibreglass and walls)
9	The oven light does not switch on	Bulb blown	Replace the light
		Incorrect connection or light relay defective	Check connection and replace power board if necessary
10	The display shows Err1	Probe not connected to power board	Check that the connector is inserted correctly in its housing
		Faulty probe	Check the resistance, if negative replace the probe, making sure that it is positioned correctly in its housing

TABLE OF RESISTANCE VALUES FOR PT1000													
°C	Ohm	°C	Ohm	°C	Ohm	°C	Ohm	°C	Ohm	°C	Ohm	°C	Ohm
20	1076,2	50	1190,5	80	1304,8	110	1419,1	140	1533,4	170	1647,7	200	1762
21	1080,01	51	1194,31	81	1308,61	111	1422,91	141	1537,21	171	1651,51	201	1765,81
22	1083,82	52	1198,12	82	1312,42	112	1426,72	142	1541,02	172	1655,32	202	1769,62
23	1087,63	53	1201,93	83	1316,23	113	1430,53	143	1544,83	173	1659,13	203	1773,43
24	1091,44	54	1205,74	84	1320,04	114	1434,34	144	1548,64	174	1662,94	204	1777,24
25	1095,25	55	1209,55	85	1323,85	115	1438,15	145	1552,45	175	1666,75	205	1781,05
26	1099,06	56	1213,36	86	1327,66	116	1441,96	146	1556,26	176	1670,56	206	1784,86
27	1102,87	57	1217,17	87	1331,47	117	1445,77	147	1560,07	177	1674,37	207	1788,67
28	1106,68	58	1220,98	88	1335,28	118	1449,58	148	1563,88	178	1678,18	208	1792,48
29	1110,49	59	1224,79	89	1339,09	119	1453,39	149	1567,69	179	1681,99	209	1796,29
30	1114,3	60	1228,6	90	1342,9	120	1457,2	150	1571,5	180	1685,8	210	1800,1
31	1118,11	61	1232,41	91	1346,71	121	1461,01	151	1575,31	181	1689,61	211	1803,91
32	1121,92	62	1236,22	92	1350,52	122	1464,82	152	1579,12	182	1693,42	212	1807,72
33	1125,73	63	1240,03	93	1354,33	123	1468,63	153	1582,93	183	1697,23	213	1811,53
34	1129,54	64	1243,84	94	1358,14	124	1472,44	154	1586,74	184	1701,04	214	1815,34
35	1133,35	65	1247,65	95	1361,95	125	1476,25	155	1590,55	185	1704,85	215	1819,15
36	1137,16	66	1251,46	96	1365,76	126	1480,06	156	1594,36	186	1708,66	216	1822,96
37	1140,97	67	1255,27	97	1369,57	127	1483,87	157	1598,17	187	1712,47	217	1826,77
38	1144,78	68	1259,08	98	1373,38	128	1487,68	158	1601,98	188	1716,28	218	1830,58
39	1148,59	69	1262,89	99	1377,19	129	1491,49	159	1605,79	189	1720,09	219	1834,39
40	1152,4	70	1266,7	100	1381	130	1495,3	160	1609,6	190	1723,9	220	1838,2
41	1156,21	71	1270,51	101	1384,81	131	1499,11	161	1613,41	191	1727,71	221	1842,01
42	1160,02	72	1274,32	102	1388,62	132	1502,92	162	1617,22	192	1731,52	222	1845,82
43	1163,83	73	1278,13	103	1392,43	133	1506,73	163	1621,03	193	1735,33	223	1849,63
44	1167,64	74	1281,94	104	1396,24	134	1510,54	164	1624,84	194	1739,14	224	1853,44
45	1171,45	75	1285,75	105	1400,05	135	1514,35	165	1628,65	195	1742,95	225	1857,25
46	1175,26	76	1289,56	106	1403,86	136	1518,16	166	1632,46	196	1746,76	226	1861,06
47	1179,07	77	1293,37	107	1407,67	137	1521,97	167	1636,27	197	1750,57	227	1864,87
48	1182,88	78	1297,18	108	1411,48	138	1525,78	168	1640,08	198	1754,38	228	1868,68
49	1186,69	79	1300,99	109	1415,29	139	1529,59	169	1643,89	199	1758,19	229	1872,49

n.	Fault	Reason	Action
11	The display shows Err4	The door lock does not close properly	Check that the door catch is not jammed
			Check that the door catch engages the door correctly
			Check that the door lock and relative microswitch are connected properly to the wiring and to the power board.
			Check that the door lock activation thermostat is correctly positioned and fixed
12	The rotisserie motor does not work	Motor connection error	Check that the motor is correctly wired to the power board
		Motor is jammed	Check that the motor works with a separate power connection and replace if necessary
		Motor control triac burned out or defective	Replace the power board
13	The oven does not heat up	Showroom configuration activated	Configure the oven for normal operation (see instruction book)
		Safety thermostat set wrongly or badly positioned	Check that the safety thermostat is calibrated correctly and properly positioned
		Faston connector not connected properly	Make sure that the wiring is connected properly
		Heating element relay faulty	Replace the power board

9.2 Troubleshooting SERIES SFP108 MODELS

For troubleshooting n° 1, 2, 4, 7, 8, 9, 10, 11, 12, 13, refer to that indicated previously.

n.	Fault	Reason	Action
3	The display does not light up	Power supply wires are not correctly fixed to the card-edge connector	Use a tester the check for the presence of 220V mains voltage on the poles shown in the figure. If there is no voltage check the wiring
5	The internal oven fan does not work	Power supply wires are not correctly fixed to the connectors or the circuit board relays are not working	Carry out a cooking operation using the internal fan and check the continuity on poles CN1-1 and CN2-4. If there is no continuity, replace the board
6	The tangential oven fan does not work	The motor is jammed or does not work	Check the motor using a separate 220V supply and replace if necessary
		Power supply wires are not correctly fixed to the connectors or the circuit board relays are not working	Carry out a cooking operation and check the continuity on poles CN1-1 and CN2-1. If there is no continuity, replace the board
9	The oven light does not switch on	Bulb blown	Replace the light
		Incorrect connection or light relay defective	Check connection and replace power board if necessary
12	The rotisserie motor does not work	Motor connection error	Check that the motor is correctly wired to the power board
		Motor is jammed	Check that the motor works with a separate power connection and replace if necessary
		Motor control triac burned out or defective	Replace the board