

Degreaser pump parameter (pumping time) could be changed in three ways:

- 1- By reloading default parameters, in Programming 2nd Level
- 2- Manually, in Programming 1st Level (wash soap)
- 3- Using the procedure described below reference to the amount of degreaser pumped from the 10L degreaser bottle

Note 1: Customers using standard cleaning - 100% degreaser concentration

The amount of degreaser is **3.3** liters (Wash/water value in First Level of Programming/Cleaning parameters should be 0 second).

Note 2: Customers using soil shield (Kote)

The amount of degreaser is reduced to **2** liters (Wash/water value in First Level of Programming/Cleaning parameters should Not be 0 second, please check the default parameters) .

Make sure that the Lever is in COOK position. Place a container under the 1-1/2" side drain pipe (Do Not dump degreaser in the Grease Reservoir).
At the end of the procedure, the degreaser from the container could be recycled.

Action	Message	Observation / Second Action
1 Oven is in idle mode	PREHEAT OR CLEAN	Access Service Mode
2 Press and hold EDIT and UP and DOWN	DRIVE MOTOR OFF	Service Mode
3 Press and hold <1-2> and <7-8>	DEGR PROGRAM ...	Programming degreaser pump parameter Mode
4 Press ENTER	ON THE BOTTLE MARK START LEVEL ...	Mark the degreaser start level on the degreaser bottle
5 Press ENTER	MARK TARGET LEVEL 3-3/8 INCH BELOW (please see Observations before using this value) ...	Mark the target level on the degreaser bottle 3-3/8" below the start level for 100% degreaser concentration or 2" for soil shield use (Kote).
6 Press ENTER	START PUMP ...	Make sure that the degreaser will not be dumped in the Grease Reservoir.
7 Press ENTER	IF LEVEL REACHED THE TARGET ...	This step could take 3-6 minutes. Keep an eye on the degreaser bottle and when the target level is reached quickly move to step 8
8 Press STOP	NEW DEGREASER TIMER IS (xyz) SEC ...	The message will show what period of time for degreaser pump was selected and saved by the program (in seconds - increments of 5).
9 Press EDIT	PREHEAT OR CLEAN	Back in Idle Mode

To Exit any time this programming mode **press EDIT** in any step (back in idle mode). New parameter would be saved only if STOP is pressed in step 8.

Important: Access enabled only in Idle Mode
with the message:
< PREHEAT OR CLEAN >

Access:
Press and hold together for 3 seconds
EDIT and **UP** and **DOWN** keys.

Available Keys

UP or **DOWN** = Scroll the outputs and inputs list
Active only when the output is turned OFF

ENTER = Engage the output for 30 seconds

STOP = Disengage the output

EDIT = Exit from Service Testing Mode

OUTPUTS - The list includes all the outputs

Use **ENTER** to turn ON and **STOP** to turn OFF.
The output will be engaged only for 30 seconds
period of time, then it will be disengaged
automatically. It can be engaged again for another
30 seconds and so on as many times as desired.

INPUTS - The list includes all the inputs

The screen will show live the status of the input.
Change the status of the input and check the software reaction.

Outputs and Inputs List

Outputs and Inputs List	
OUTPUTS	DRIVE MOTOR OFF (ON) CIRCUL PUMP OFF (ON) (and live current value, NOT Amps) DRAIN PUMP OFF (ON) WATER SOLEND (solenoid valve) OFF (ON) DEGREAS PUMP OFF (ON) IGNITION OFF (ON) BUZZER OFF (ON) OVEN LIGHTS OFF (ON) ALARM LIGHT OFF (ON)
INPUTS	DOOR SWITCH CLOSED (OPEN) DRAIN VALVE CLOSED (OPEN) DEGR LEVEL LOW (GOOD)

PUMP CURRENT READING IN CLEAN MODE

Important: Feature available only in Cleaning Mode or Clean Test Mode.

Press and hold together for 3 seconds **EDIT** and **CLEAN** keys.

The display will show in the bottom right the live value of the circulation pump current in decimal units (same units that are programmable in Programming Mode Level 2), NOT in Amps.

Press **EDIT** key to exit from the Pump Current Display or wait 30 seconds.

INFERNO GC – (Board Revision 3 and before)

CONTROLLER TROUBLESHOOTING GUIDE

	Condition	Action
1	Blank Display	<ul style="list-style-type: none"> - Check if the green LED from bottom right of the Display board is flashing, if not reset power - Check Power to the Display 10vac at J3 (BLK & RED)
2	A frozen or scrambled message on the display and/or keyboard non responding	<ul style="list-style-type: none"> - Check Communication cable between J4 from the Controller and J4 from the Display (GRN,RED,BLK). Check if it's any loose pin/wire on each side. - Check if LED (24) from Controller is flashing and if not reset power or - Check Power to the Controller 10vac at J13 (BLK & RED) - Check if the green LED from bottom right of the Display board is flashing, if not reset power
2a	Blank Display or Frozen Message or Keyboard Not Responding	<ul style="list-style-type: none"> - Reset battery: Turn Off the power, press and hold 10 sec. the black reset button located beside the keyboard. Release the button and turn On the power. - Older ovens without reset button: Turn Off the power and disconnect the 3.6V battery from the controller-J8. Wait for 10 seconds, reconnect the battery and turn On the power.
3	Drive Motor not turning	<ul style="list-style-type: none"> - Check if the LED (1) is lit - Controller - Check fuse F3 - Controller - Check Power to Outputs 120vac (BLK from J7-Controller and WHT from terminal block) - Check Power to Motor 120vac (RED from J7-Controller and WHT from Motor)
4	Water solenoid fill valve not opening	<ul style="list-style-type: none"> - Check if the LED (2) is lit - Controller - Check fuse F3 - Controller - Check Power to Outputs 120vac (BLK from J7-Controller and WHT from terminal block) - Check Power to Valve 120vac (BLU from J7-Controller and WHT from Valve)
5	Circulation pump not running	<ul style="list-style-type: none"> - Check if the LED (4) is lit - Controller - Check fuse F3 - Controller - Check Power to Outputs 120vac (BLK from J7-Controller and WHT from terminal block) - Check Power to Circulation Pump 120vac (PRP from J7-Controller and WHT from Pump)
6	No ignition, no Safety Lockout Alarm	<ul style="list-style-type: none"> - Check if the Green LED (6) is lit - Controller - Check Power to Outputs 24vac at J9 (ORG & BRN) - Controller - Check wiring at J9 (24vac at BLU & BRN) - Controller
7	Drain pump not running (board marking – drain valve)	<ul style="list-style-type: none"> - Check if the LED (12) is lit - Controller - Check fuse F2 - Controller - Check Power to Outputs 120vac (BLK from J7-Controller and WHT from terminal block) - Check Power to Drain Pump 120vac (GRY from J7-Controller and WHT from Drain Pump)
8	Oven lights not lit except: 5 seconds after start up, or in sleep mode, after Clean	<ul style="list-style-type: none"> - Check if the LED (13) is lit - Controller - Check fuse F2 - Controller - Check Power to Outputs 120vac (BLK from J7-Controller and WHT from terminal block) - Check Power to Light 120vac (ORG from J7-Controller and WHT from Light transformer)
9	Degreaser pump not running	<ul style="list-style-type: none"> - Check if the LED (14) is lit - Controller - Check fuse F2 - Controller - Check Power to Outputs 120vac (BLK from J7-Controller and WHT from terminal block) - Check Power to Degreaser Pump 120vac (YLW from J7-Controller and WHT from Degreaser Pump transformer)
10	Buzzer alarm not functioning	<ul style="list-style-type: none"> - Check if the LED (16) is lit - Controller - Check Power to Outputs 24v at (ORG & BRN) - Controller - Check wiring at J9 (24v at GRY & BRN - Controller)
11	Drain valve sensor not working properly	<ul style="list-style-type: none"> - Check if the LED (20) is lit when the valve is closed - Controller - Remove J5 male. Using a jumper, connect on the Controller female J5 the pins corresponding to GRY and YLW wires. LED (20) should light up.
12	Door switch not working properly	<ul style="list-style-type: none"> - Check if the LED (21) is lit when the door is closed - Controller - Remove J5 male. Using a jumper, connect on the Controller female J5 the pins corresponding to BRN and YLW wires. LED (21) should light up.
13	Degreaser level sensor not working properly	<ul style="list-style-type: none"> - To check the signal, enter the Testing Mode (use “Service Testing Mode” document). - Remove J5 male. Using a jumper, connect on the Controller female J5 the pins corresponding to RED and YLW wires. The message on the display should be “LEVEL GOOD”. Remove the jumper and the message changes to “LEVEL LOW”. - Note: The signal usually delays 2 seconds.

Note. If the above described actions are unsuccessful:

Check the other components (motors, pumps, sensors, transformers, ignition, solenoids ...etc.) or wires, connectors.

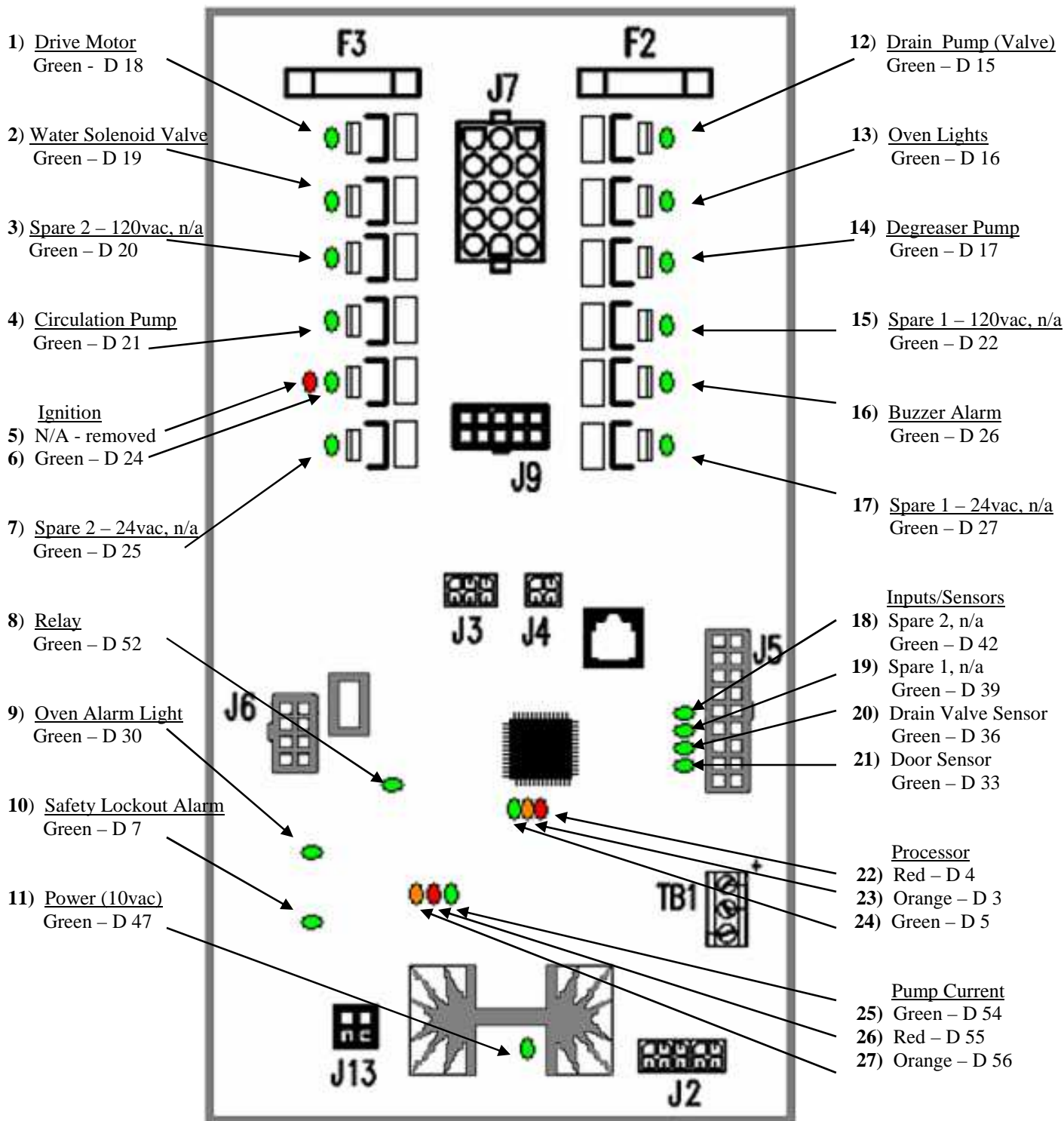
INFERNO GC CONTROLLER (Rev. 3 and before)

LEDs DESCRIPTION

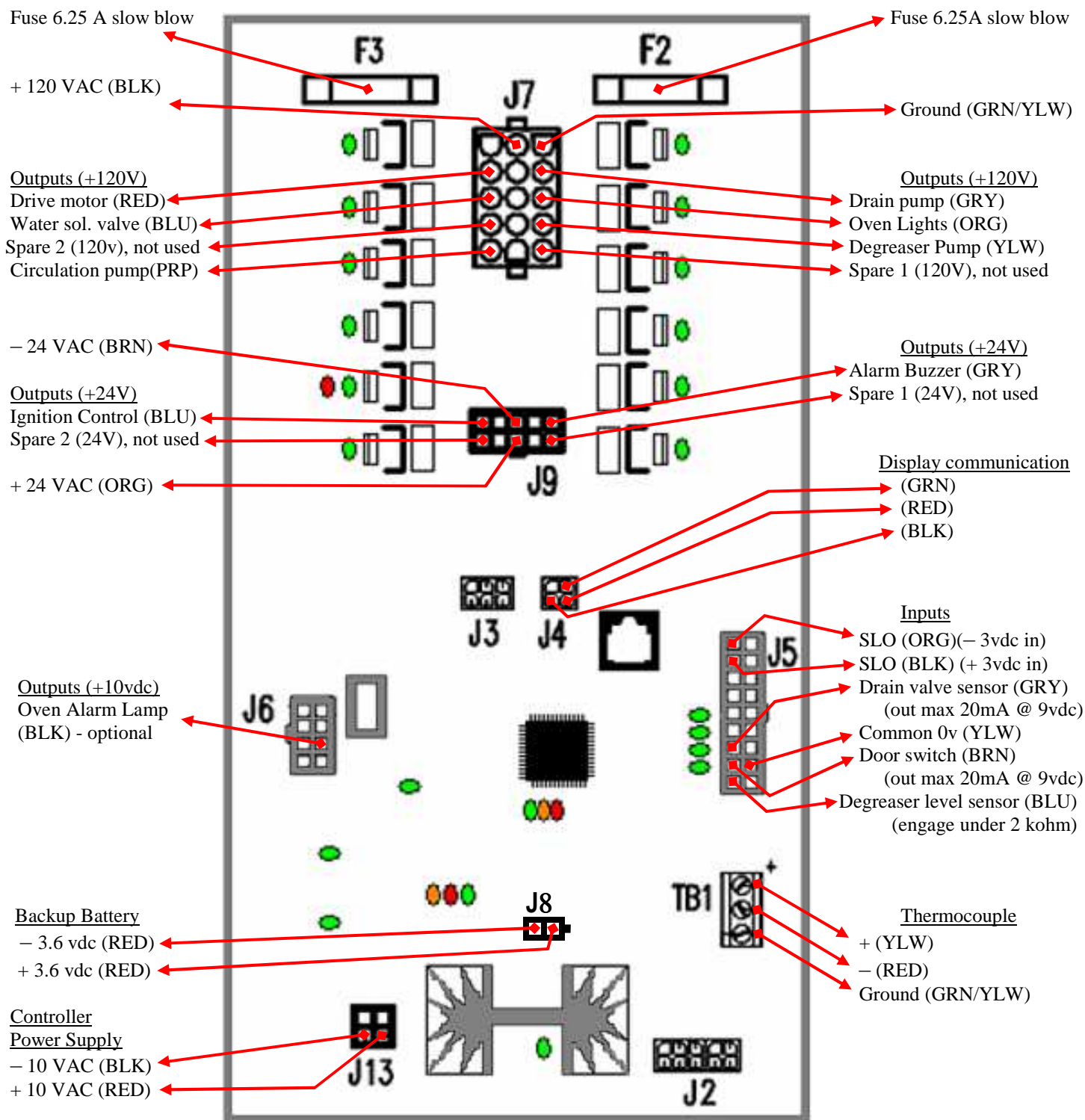
NOTE: The numbers from this list correspond to the numbers from the Controller Layout LEDs MAP from the next page. The markings from the board <e.g. D-53> are specified on the map.

- 1) Drive Motor LED - ON when the output is activated.
- 2) Water Solenoid Valve LED - ON when the output is activated.
- 3) Spare 2 (120vac output) LED, n/a - ON when the output is activated.
- 4) Circulation Pump LED - ON when the output is activated.
- 5) N/A
- 6) Ignition LED - ON when the output is activated.
- 7) Spare 2 (24vac output) LED, n/a - ON when the output is activated.
- 8) Relay LED, n/a - ON when the NO contact of the relay is closed.
- 9) Oven Alarm Light LED, optional - ON when the output is activated.
- 10) Safety Lockout Alarm LED, n/a - ON when the output is activated.
- 11) Power LED - ON when 10 VAC is applied to the Controller through J 13.
- 12) Drain Pump LED - ON when the output is activated.
- 13) Oven Lights LED - ON when the output is activated.
- 14) Degreaser Pump LED - ON when the output is activated.
- 15) Spare 1 (120vac output) LED, n/a - ON when the output is activated.
- 16) Buzzer Alarm LED - ON when the output is activated.
- 17) Spare 2 (24vac output) LED, n/a - ON when the output is activated.
- 18) Spare 2 Input LED - ON when the external sensor is closed, n/a.
- 19) Spare 1 Input LED - ON when the external sensor is closed, n/a.
- 20) Drain Valve Sensor LED - ON when the hand-lever is in "CLEAN" position (drain valve closed).
- 21) Door Sensor LED - ON when the external door sensor is closed (the door is closed).
- 22, 23, 24) Processor LEDs – Green, Orange and Red
 - Flashing sequence at Start-up:
 - All 3 ON for 1 second
 - All 3 OFF for 1 second
 - Green only pulsates 3 times
 - Backup battery - present, Green flashes rapidly 3 times
- not present, Red flashes rapidly 3 times
 - All 3 ON for 1 second
 - All 3 OFF for 1 second
 - Green pulsates every second in normal operation
- 25) Pump Current Green LED - ON when the pump is on and the current is normal (enough water).
- 26) Pump Current Red LED - ON when the pump is on and the current is low.
This Red LED is also ON when the pump is off and the voltage applied to the Controller is lower than normal.
- 27) Pump Current Orange LED - ON when the pump current is too high or at the pump start for a very short period of time.

INFERNO GC CONTROLLER (Rev. 3 and before) --- LEDs MAP



INFERNO GC CONTROLLER (Rev. 3 and before) LAYOUT



INFERNO GC – (Board Revisions 5 and 6)

CONTROLLER TROUBLESHOOTING GUIDE

	Condition	Action
1	Blank Display	<ul style="list-style-type: none"> - Check if the green LED from bottom right of the Display board is flashing, if not reset power - Check Power to the Display 10vac at J3 (BLK & RED)
2	A frozen or scrambled message on the display and/or keyboard non responding	<ul style="list-style-type: none"> - Check Communication cable between J4 from the Controller and J4 from the Display (GRN,RED,BLK). Check if it's any loose pin/wire on each side. - Check if LED (24) from Controller is flashing and if not reset power or - Check Power to the Controller 10vac at J13 (BLK & RED) - Check if the green LED from bottom right of the Display board is flashing, if not reset power
2a	Blank Display or Frozen Message or Keyboard Not Responding	<ul style="list-style-type: none"> - Reset battery: Turn Off the power, press and hold 10 sec. the black reset button located beside the keyboard. Release the button and turn On the power. - Older ovens without reset button: Turn Off the power and disconnect the 3.6V battery from the controller-J8. Wait for 10 seconds, reconnect the battery and turn On the power.
3	Drive Motor not turning	<ul style="list-style-type: none"> - Check if the LED (1) is lit - Controller - Check fuse F3 - Controller - Check Power to Outputs 120vac (BLK from J7-Controller and WHT from terminal block) - Check Power to Motor 120vac (RED from J7-Controller and WHT from Motor)
4	Water solenoid fill valve not opening	<ul style="list-style-type: none"> - Check if the LED (2) is lit - Controller - Check fuse F3 - Controller - Check Power to Outputs 120vac (BLK from J7-Controller and WHT from terminal block) - Check Power to Valve 120vac (BLU from J7-Controller and WHT from Valve)
5	Circulation pump not running	<ul style="list-style-type: none"> - Check if the LED (4) is lit - Controller - Check fuse F3 - Controller - Check Power to Outputs 120vac (BLK from J7-Controller and WHT from terminal block) - Check Power to Circulation Pump 120vac (PRP from J7-Controller and WHT from Pump)
6	No ignition, no Safety Lockout Alarm	<ul style="list-style-type: none"> - Check if the Green LED (6) is lit - Controller - Check Power to Outputs 24vac at J9 (ORG & BRN) - Controller - Check wiring at J9 (24vac at BLU & BRN) - Controller
7	Drain pump not running (board marking – drain valve)	<ul style="list-style-type: none"> - Check if the LED (12) is lit - Controller - Check fuse F2 - Controller - Check Power to Outputs 120vac (BLK from J7-Controller and WHT from terminal block) - Check Power to Drain Pump 120vac (GRY from J7-Controller and WHT from Drain Pump)
8	Oven lights not lit except: 5 seconds after start up, or in sleep mode, after Clean	<ul style="list-style-type: none"> - Check if the LED (13) is lit - Controller - Check fuse F2 - Controller - Check Power to Outputs 120vac (BLK from J7-Controller and WHT from terminal block) - Check Power to Light 120vac (ORG from J7-Controller and WHT from Light transformer)
9	Degreaser pump not running	<ul style="list-style-type: none"> - Check if the LED (14) is lit - Controller - Check fuse F2 - Controller - Check Power to Outputs 120vac (BLK from J7-Controller and WHT from terminal block) - Check Power to Degreaser Pump 120vac (YLW from J7-Controller and WHT from Degreaser Pump transformer)
10	Buzzer alarm not functioning	<ul style="list-style-type: none"> - Check if the LED (16) is lit - Controller - Check Power to Outputs 24v at (ORG & BRN) - Controller - Check wiring at J9 (24v at GRY & BRN - Controller)
11	Drain valve sensor not working properly	<ul style="list-style-type: none"> - Check if the LED (20) is lit when the valve is closed - Controller - Remove J5 male. Using a jumper, connect on the Controller female J5 the pins corresponding to GRY and YLW wires. LED (20) should light up.
12	Door switch not working properly	<ul style="list-style-type: none"> - Check if the LED (21) is lit when the door is closed - Controller - Remove J5 male. Using a jumper, connect on the Controller female J5 the pins corresponding to BRN and YLW wires. LED (21) should light up.
13	Degreaser level sensor not working properly	<ul style="list-style-type: none"> - To check the signal, enter the Testing Mode (use “Service Testing Mode” document). - Remove J5 male. Using a jumper, connect on the Controller female J5 the pins corresponding to RED and YLW wires. The message on the display should be “LEVEL GOOD”. Remove the jumper and the message changes to “LEVEL LOW”. - Note: The signal usually delays 2 seconds.

Note. If the above described actions are unsuccessful:

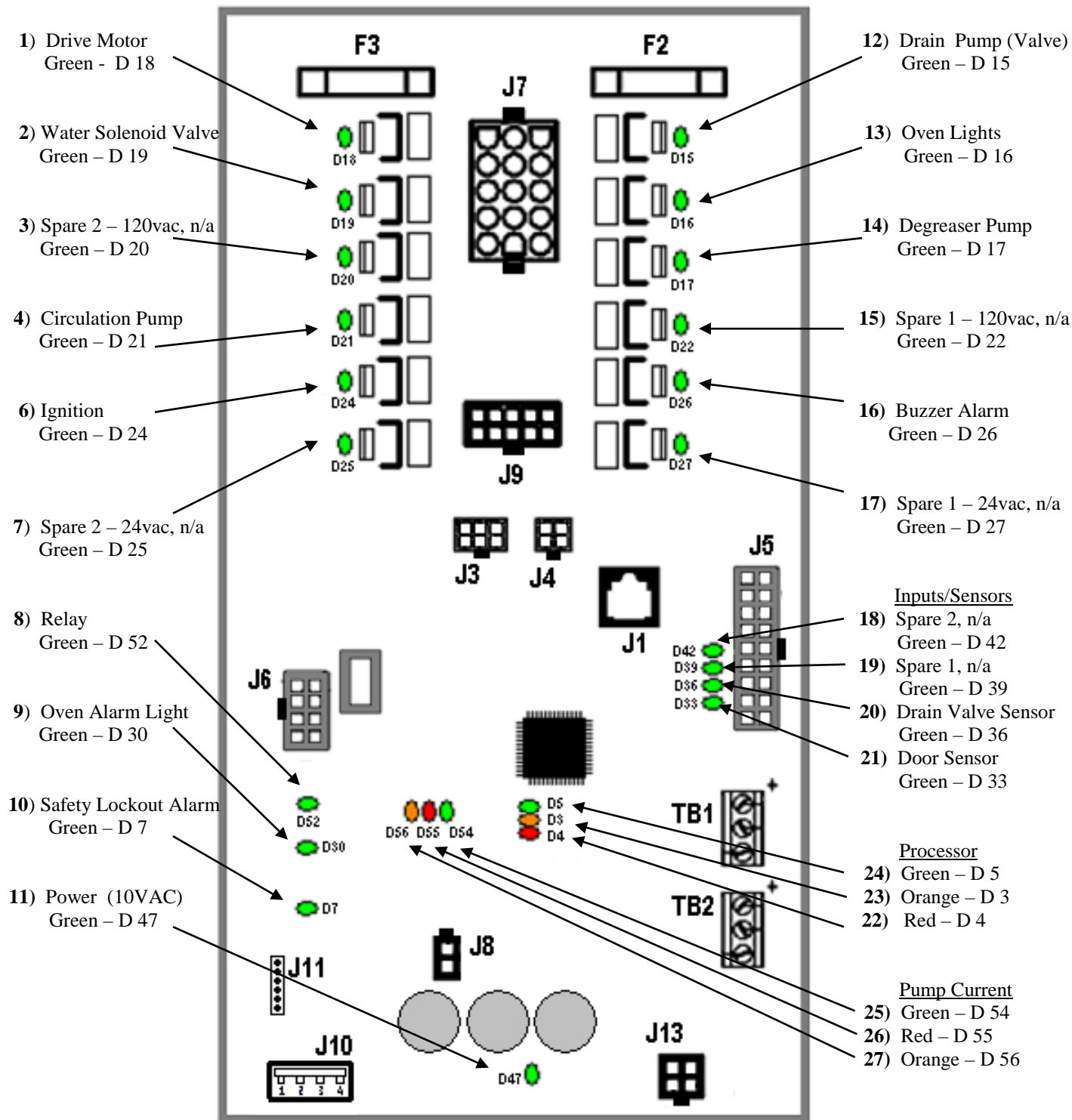
Check the other components (motors, pumps, sensors, transformers, ignition, solenoids ...etc.) or wires, connectors.

INFERNO GC CONTROLLER (Board Revision 5) LEDs DESCRIPTION

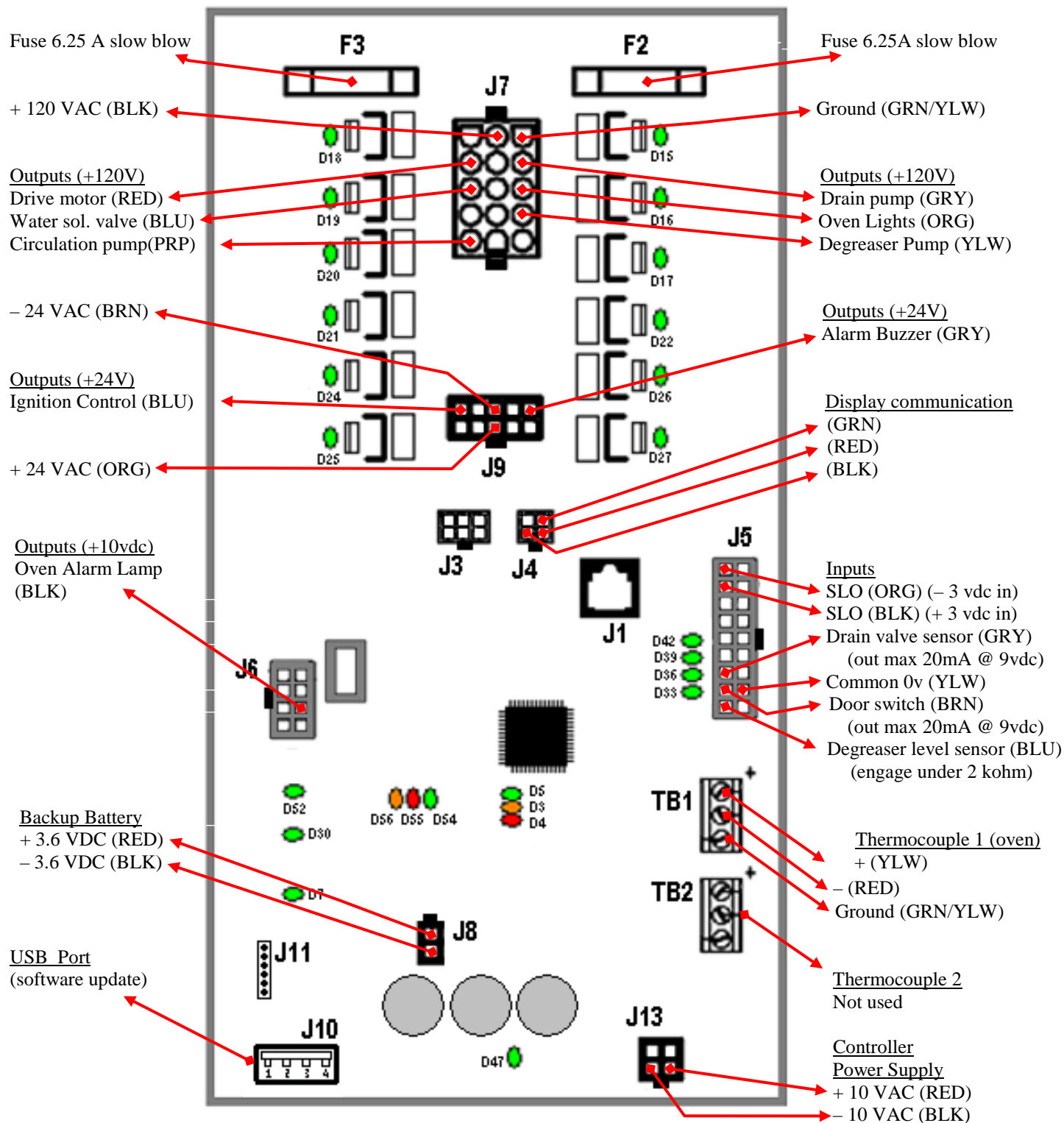
NOTE: The numbers from this list correspond to the numbers from the Controller Layout LEDs MAP from the next page. The markings from the board <e.g. D-53> are specified on the map.

- 1) Drive Motor LED - ON when the output is activated.
- 2) Water Solenoid Valve LED - ON when the output is activated.
- 3) Spare 2 (120vac output) LED, n/a - ON when the output is activated.
- 4) Circulation Pump LED - ON when the output is activated.
- 5) N/A
- 6) Ignition LED - ON when the output is activated.
- 7) Spare 2 (24vac output) LED, n/a - ON when the output is activated.
- 8) Relay LED, n/a - ON when the NO contact of the relay is closed.
- 9) Oven Alarm Light LED, optional - ON when the output is activated.
- 10) Safety Lockout Alarm LED, n/a - ON when the output is activated.
- 11) Power LED - ON when 10 VAC is applied to the Controller through J 13.
- 12) Drain Pump LED - ON when the output is activated.
- 13) Oven Lights LED - ON when the output is activated.
- 14) Degreaser Pump LED - ON when the output is activated.
- 15) Spare 1 (120vac output) LED, n/a - ON when the output is activated.
- 16) Buzzer Alarm LED - ON when the output is activated.
- 17) Spare 2 (24vac output) LED, n/a - ON when the output is activated.
- 18) Spare 2 Input LED - ON when the external sensor is closed, n/a.
- 19) Spare 1 Input LED - ON when the external sensor is closed, n/a.
- 20) Drain Valve Sensor LED - ON when the hand-lever is in “CLEAN” position (drain valve closed).
- 21) Door Sensor LED - ON when the external door sensor is closed (the door is closed).
- 22, 23, 24) Processor LEDs – Green, Orange and Red
 - Flashing sequence at Start-up:
 - All 3 ON for 1 second
 - All 3 OFF for 1 second
 - Green only pulsates 3 times
 - Backup battery - present, Green flashes rapidly 3 times
- not present, Red flashes rapidly 3 times
 - All 3 ON for 1 second
 - All 3 OFF for 1 second
 - Green pulsates every second in normal operation
- 25) Pump Current Green LED - ON when the pump is on and the current is normal (enough water).
- 26) Pump Current Red LED - ON when the pump is on and the current is low.
This Red LED is also ON when the pump is off and the voltage applied to the Controller is lower than normal.
- 27) Pump Current Orange LED - ON when the pump current is too high or at the pump start for a very short period of time.

INFERNO GC CONTROLLER (Board Revision 5) --- LEDs MAP



INFERNO GC CONTROLLER (Board Revision 5) --- LAYOUT



PROGRAMMING SECOND LEVEL - Inferno GC and 4500

Access

Press and hold together for 3 seconds **EDIT** and **+5 MIN** keys.

Available Keys

UP or DOWN	=	Scroll parameters list or change a parameter value
ENTER	=	Enter into a submenu or edit a parameter or save a parameter value
STOP	=	Exit from editing or exit from a submenu or exit from Programming Mode

How To change a parameter:

Select a submenu using **UP** or **DOWN**, press **ENTER** to get into the submenu, select the parameter with **UP** or **DOWN**, press **ENTER** to edit, change it with **UP** or **DOWN**, press again **ENTER** to save it, then press **STOP** to exit or **UP / DOWN** to move to next parameter.

HOW TO CHANGE (RELOAD) FACTORY DEFAULTS:

Access the Second Level of Programming Mode (**EDIT** and **+5 MIN** held 3 seconds),

msg: < PROGRAMMING SECOND LEVEL >

scroll **DOWN twice**, msg.: < DEFAULT PARAMETERS >

press **ENTER**, steady msg.: < RELOAD FACTORY DEFAULTS 1 (or2) >

press again **ENTER**, old value will flash, msg.: < RELOAD FACTORY DEFAULTS _1_ (or 2) >

change value with **DOWN**, new value will flash, msg.: < RELOAD FACTORY DEFAULTS _2_ (or 1) >

press **ENTER**, steady msg.: < RELOAD FACTORY DEFAULTS 2 (or 1) >

WAIT 5 SECONDS (IMPORTANT) then press **STOP twice** to exit "programming".

Main Menu

PROGRAMMING
SECOND LEVEL

SOFT VERSION
(version name)

DEFAULT
PARAMETERS

OTHER
TEMPERATURES

OTHER
TIMERS

CIRCULATION
PUMP CURRENT

Default Parameters Submenu

RELOAD FACT
DEFAULT (set 1 or 2)

Other Temperatures Submenu

PREHEAT
(value) F

PREHEAT LOW
LIMIT (value) F

CLEAN COOL
LIMIT (value) F
(minimum temp to start Autoclean)

Other Timers Submenu

PREHEAT
(value) MIN

CLEAN DELAY
(value) MIN
(checking temperature time
delay before Autoclean)

DRAIN FLUSH
OCC (value) DAYS

DRAIN FLUSH
LEFT (value) DAYS

DRAIN FLUSH
TIME (value) SEC

Circulation Pump Current Submenu

PUMP LOW LIMIT
(minimum current value
, NOT in Amps)

How To Operate Inferno GC and 4500

Preheat	section 1
Cooking Favorite	section 2
Add Extra Time for Cooking	section 3

Cooking Other Program (1-16)	section 4
Cooking Manual Program	section 5
Auto Clean	section 6

1. Preheat

Action	Message	Observation
1.1 Oven is in idle mode	PREHEAT OR CLEAN	Select and press the corresponding key
1.2 Press PREHEAT	PREHEATING PLEASE DO NOT LOAD PRODUCT	Limit is time or temperature. For cooking follow the Cooking steps. STOP pressed and held 3 sec. clears the program (back to step 1.1)

2. Cooking a favorite program (<1-2> or <2-3> or <3-4> or <7-8>)

Action	Message	Observation
2.1 Preheat the oven following steps 1.1 and 1.2		
2.2 If preheat ready	OVEN READY SELECT COOKING PROGRAM	Burner will cycle at the preset Preheat temperature. Load product.
2.3 Select a Favorite recipe (one of the 4 TOP keys)	COOKING / (product name) / (nr. of) SKEWERS IN (time left) MIN	Cooking starts with the preset Favorite program STOP pressed and held 3 seconds clears the program In the first 5 minutes (only) another favorite pgm. could be selected
2.4 If cooking is ready	END OF COOK / INTERNAL TEMP (value) PRESS +5 MIN OR PREHEAT OR STOP	Burner will cycle at the preset Holding temperature. Press + 5 MIN if needed, or PREHEAT, or STOP 3 sec. to clear the program (back to step 1.1)

3. Add Extra Time for Cooking

Action	Message	Observation
3.1 If cooking is ready	END OF COOK / INTERNAL TEMP (value) PRESS +5 MIN OR PREHEAT OR STOP	Burner will cycle at the preset Holding temperature.
3.2 Press + 5 MIN	ADDING 5 OR PRESS AGAIN	Press + 5 MIN again within 2 seconds to add more time or if no key is pressed, the cooking will start with the last program temperature for 5 minutes time
3.3 If + 5 MIN pressed again	ADDING 10 OR PRESS AGAIN	Press + 5 MIN again within 2 seconds to add more time or if no key is pressed, the cooking will start with the last program temperature for 10 minutes time
3.4 If + 5 MIN pressed again	ADDING 15 OR PRESS AGAIN	Press + 5 MIN again within 2 seconds to go back to 5 min or if no key is pressed, the cooking will start with the last program temperature for 15 minutes time

4. Cooking Other Program (from P1 to P16)

Action	Message	Observation
4.1 Preheat the oven following steps 1.1 and 1.2		
4.2 If preheat ready	OVEN READY SELECT COOKING PROGRAM	Burner will cycle at the preset Preheat temperature. Load product.
4.3 Press UP or DOWN	P0 / --- SKS PRODUCT ---	Navigate through the list using UP or DOWN keys and stop at the desired cooking program
4.4 Press ENTER	COOKING / (product name) / (nr. of) SKEWERS IN (time left) MIN	Cooking starts with the preset program (P1-P16) STOP pressed and held 3 seconds clears the program
4.5 If cooking is ready	END OF COOK / INTERNAL TEMP (value) PRESS +5 MIN OR PREHEAT OR STOP	Burner will cycle at the preset Holding temperature. Press + 5 MIN if needed, or PREHEAT, or STOP 3 sec. to clear the program (back to step 1.1)

5. Cooking a Manual Program (P0)

Action	Message	Observation
5.1	Preheat the oven following steps 1.1 and 1.2	
5.2	If preheat ready	OVEN READY SELECT COOKING PROGRAM Burner will cycle at the preset Preheat temperature. Load product.
5.3	Press UP or DOWN	P0 / --- SKS PRODUCT ---
5.4	Press ENTER	COOK 1 TEMP (temp) F Cooking temperature for the first stage
5.5	Press ENTER	COOK 1 TEMP (temp flashing) F Use UP or DOWN to select desired parameter
5.6	Press ENTER	COOK 1 TEMP (temp) F Desired parameter is saved
5.7	Press DOWN	COOK 1 TIME (time) MIN Cooking time for the first stage
5.8	Press ENTER	COOK 1 TIME (time flashing) MIN Use UP or DOWN to select desired parameter
5.9	Press ENTER	COOK 1 TIME (time) MIN Desired parameter is saved
5.10	Press DOWN	COOK 2 TEMP (temp) F Cooking temperature for the second stage
5.11	Press ENTER	COOK 2 TEMP (temp flashing) F Use UP or DOWN to select desired parameter
5.12	Press ENTER	COOK 2 TEMP (temp) F Desired parameter is saved
5.13	Press DOWN	COOK 2 TIME (time) MIN Cooking time for the second stage
5.14	Press ENTER	COOK 2 TIME (time flashing) MIN Use UP or DOWN to select desired parameter
5.15	Press ENTER	COOK 2 TIME (time) MIN Desired parameter is saved
5.16	Press DOWN	ENT TO COOK STOP TO EXIT
5.17	Press ENTER	COOKING / (product name) / (nr. of) SKEWERS IN (time left) MIN Cooking starts with the Manual program (P0) STOP pressed and held 3 seconds clears the program
5.18	If cooking is ready	END OF COOK / INTERNAL TEMP (value) PRESS +5 MIN OR PREHEAT OR STOP Burner will cycle at the preset Holding temperature. Press + 5 MIN if needed, or PREHEAT, or STOP 3 sec. to clear the program (back to step 1.1)

6. Auto Clean

Action	Message	Observation
6.1 Oven is in idle mode	PREHEAT OR CLEAN	Select and press the corresponding key
6.2 Press CLEAN	ENTER TO RUN OR STOP	Press ENTER to run Clean or STOP to clear.
6.3 If Degreaser Level is low	REFILL DEGREASER BOTTLE PRESS CLEAN	Refill the Degreaser bottle, then press CLEAN Program will move to step 6.4
6.4 Temperature check	CHECKING OVEN TEMPERATURE WAIT (time) SEC	If the door is used during temperature checking, the time will reset. If the time elapsed the program will move to the next step
6.5 If Oven temperature is greater than the preset minimum clean temperature	CLEAN COOLDOWN	The program will wait for the accepted temperature and then move to step 6.6 If the door is used during this time, the program will move to step 6.4
6.6 If Oven temperature is lower than the preset minimum clean temperature	PREWASH / REMAINING CLEAN TIME (time) MIN	Auto Clean starts.
6.7 Other Cleaning messages:	SOAP WASH / REMAINING CLEAN TIME FIRST RINSE / REMAINING CLEAN TIME POWER RINSE / REMAINING CLEAN TIME FINAL RINSE / REMAINING CLEAN TIME	If STOP is pressed during PREWASH or SOAP, the program will move to FIRST RINSE The STOP key is disabled during FIRST RINSE, POWER RINSE or FINAL RINSE
6.8 If Auto Clean ended	Display is blank. Oven is in Sleep mode. A red light (LED) is moving above display.	If any of the keys is pressed or if the door is used, the program will move to step 1.1

DRAIN FLUSH function - Inferno GC and 4500

Starting with software version GC 12 0217

Drain Flush function is available only in Idle Mode.

message “**PREHEAT OR CLEAN**”

Press and hold for 4 seconds “**UP** and “**+5MIN**” keys.

msg: “**HOLD 4 SEC TO FLUSH**”

After 4 seconds elapsed the water solenoid valve opens for 20 seconds period of time.

msg: “**DRAIN FLUSHING**”

After 20 seconds elapsed the water solenoid closes.

msg: “**PREHEAT OR CLEAN**”

The water solenoid valve could be closed before 20 seconds elapsed using “**STOP**” button.

msg: “**PREHEAT OR CLEAN**”

Starting with software version GC 12 0313

Every 7 days a message appears on the screen in the morning in Idle Mode after Sleep Mode (when somebody touches a button, manual valve or door).

msg. “**DRAIN FLUSH / PLEASE PRESS ENTER TO FLUSH OR PRESS STOP TO EXIT**”

The counter would be reset to 7 days only if the flushing operation is performed.

The message/action could be skipped. The counter stays to 0 days and will appear again next morning.

The flushing operation presented on the top of this page could also be done in any day. That will reset the counter to 7.

The flushing time (20 sec by default) and the days cycle (7 days by default) are programmable (operator interface in **Programming 2nd Level / Other Timers**).

To cancel the occurrence of this message set Drain Flush Occ to 0 days.

To set a different occurrence parameter, both variables (Drain Flush Occ Days and Drain Flush Left Days) need to be changed to the same value for the change to take effect immediately.

***Note:** The Controller doesn't have a real time. The counter is triggered only by the Sleep Mode (at the end of an Auto Clean cycle). Every time the unit goes in Sleep Mode one day is considered and it counts down.*

Inferno GC and 4500

To force the Shutdown of the Auto Clean, use the following key combination:

Press and hold together for 3 seconds **CLEAN** and **DOWN** keys.

5 MINUTES AUTOCLEAN TESTING MODE Inferno GC and 4500

Important: Access enabled only in Idle Mode , with the message < PREHEAT OR CLEAN >

Press and hold together for 3 seconds **ENTER** and **UP** keys, msg: < ENTER - TEST / STOP - EXIT >
 Press **ENTER** and Service Autoclean will start

Use **STOP** button to exit from Clean Test Mode.

5 Minutes Clean Test Parameters

Released with Software version **GC11 0808**

Clean Test PARAMETERS			
Prewash	cycles	1	nr.
	water	10	seconds
	soak	0	minutes
	prime	0	seconds
	drain	15	seconds
Wash	cycles	1	nr.
	water	10	seconds
	degreaser	20	seconds
	prime	1	0.3 seconds
	spray	35	seconds
	soak	10	seconds
	drain	15	seconds
1st Rinse	cycles	1	nr.
	water	10	seconds
	spray	35	seconds
	drain	15	seconds
Power Rinse	cycle	1	nr.
	spray	35	seconds
	drain	15	seconds
Final Rinse	cycles	1	nr.
	water	10	seconds
	spray	35	seconds
	drain	20	seconds

Note: Only in Auto Clean or Auto Clean Test modes, pressing and holding together for 3 seconds **EDIT** and **CLEAN** the display will show live the circulation pump current in decimal value (not amps) for a period of 30 seconds.
 Press **EDIT** key to exit from the Pump Current Display or wait 30 seconds.