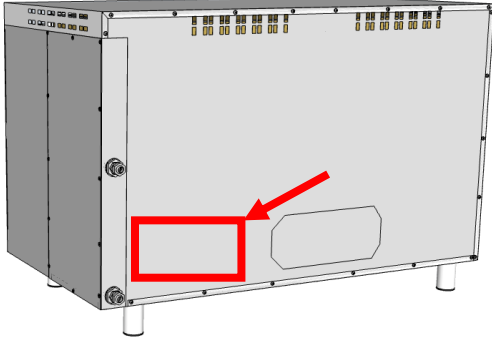
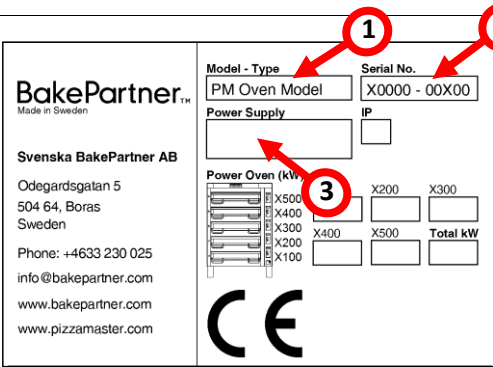
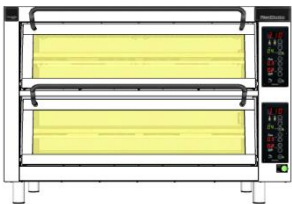
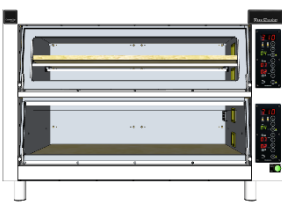
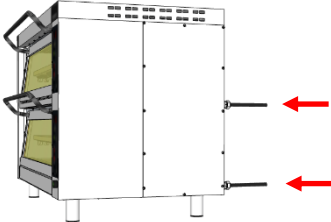


FUNCTION CONTROL CHECKLIST

PM 35X-55X ED

INSTRUCTIONS	Notes
PM 35X-55X ED	
Technical Support Contact	Keep the information with you when contact technical support, this will help us to identify the equipment and trouble shoot accurate
 IMPORTANT!	- All part replacements must be carried out by trained personnel - Use only original parts - Electrical work must always be performed by authorized personnel

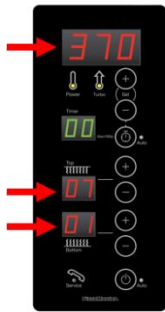
OVEN IDENTIFICATION	Notes	
1. Model-Type: _____ 2. Serial No: _____ 3. Power Supply: a) 230V 1ph + N ☐ b) 400V 3ph + N ☐ c) 480V 3ph + N ☐ d) 230 3ph/400V 3ph + N... ☐ e) 200V 3ph ☐ f) 208V 1ph ☐ g) 208V 3ph ☐ h) 240V 1ph ☐ i) 240V 3ph ☐ j) 400V 3ph ☐ k) 480V 3ph (440 - 480).... ☐	Find the information on the back side of the oven.  Fill points 1 to 3 using the information on the power rating plate 1- Model-Type 2- Serial No. 3- Power Supply 	
4. Number of decks Decks are counted from bottom to top 2 Deck ☐ 1 Deck ☐ Deck 2 →  Deck 1 →	5. Numbers of extra stones Mark which Deck has extra stones below 2 Deck..... ☐ 1 Deck..... ☐ Deck 2 X →  Deck 1 →	6. Numbers of cables 1 Cable ☐ 2 Cable ☐ 

FUNCTION CONTROL CHECKLIST

PM 35X-55X ED

OVEN SETTINGS CHECK

Heat Zones



Display shows as standard the target for temperature and the Heat Zones for Top & Bottom.

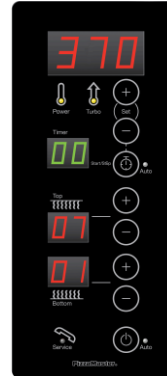
Fill in settings for deck 1.

Temperature: _____

Top Front: _____

Top: _____

Bottom: _____



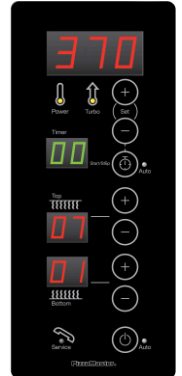
Fill in settings for deck 2.

Temperature: _____

Top Front: _____

Top: _____

Bottom: _____

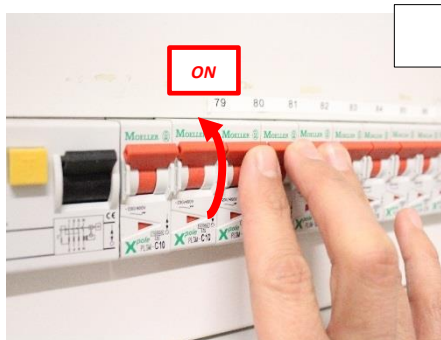


EXTERNAL CONNECTION CHECK

Check external breakers or fuses



1. In your **electrical circuit box**, check and identify the position of all the external circuit breakers or fuses for the oven



2. If you have external circuit breakers. Check that all the breakers are in **ON** position. **IMPORTANT!** Call an electrician if the breaker trip again



3. If you have external circuit fuses. Check and replace broken fuses

FUNCTION CONTROL CHECKLIST

PM 35X-55X ED

INTERNAL CONNECTION CHECK



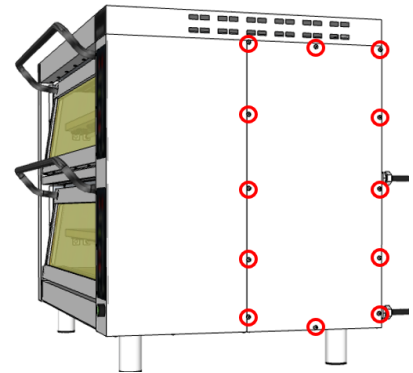
WARNING-ELECTRICAL HAZARD!

IMPORTANT: The following steps **MUST** be carried out by a Certified Electrician

Check Internal Breakers and Cables



2. Turn OFF breakers/fuses or unplug the oven before opening the ovens electrical panel



3. Open the ovens electrical Panel

The panel is at the right-hand side of the oven. You need a Phillips screwdriver to open it

DECK 2 →



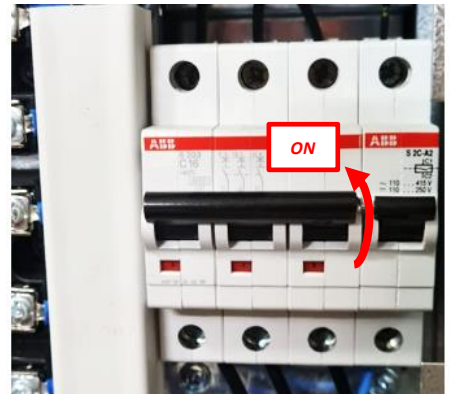
DECK 1 →



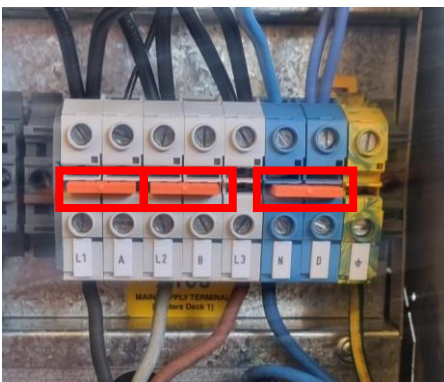
4. Every deck has a separate set of circuit breakers and electric components, the number of components can vary depending on model



5. Verify breaker for control power, its located on the front side of the oven, it's in charge of power to all decks.



6. Check that all circuit breakers are in UP (ON) position for all Decks, verify that all cables are tight and attached properly



7. Check that jumpers are correct attached, there is many variations depending on voltage, see wiring diagram in separate appendix.



8. Check that all cables are tight and attached properly.

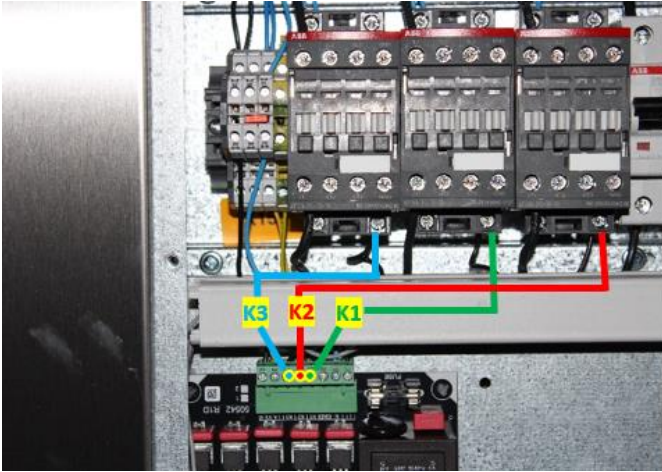
9. Verify Cables from PCB to contactors

- For PMXXX ED-1 & PMXXX ED-2 with or without -DW (oven with extra stone)
See step 10
- If -DW without extra stone
See step 11
- For PMXXX ED (without extra stones) (standard width)
See step 12

FUNCTION CONTROL CHECKLIST

PM 35X-55X ED

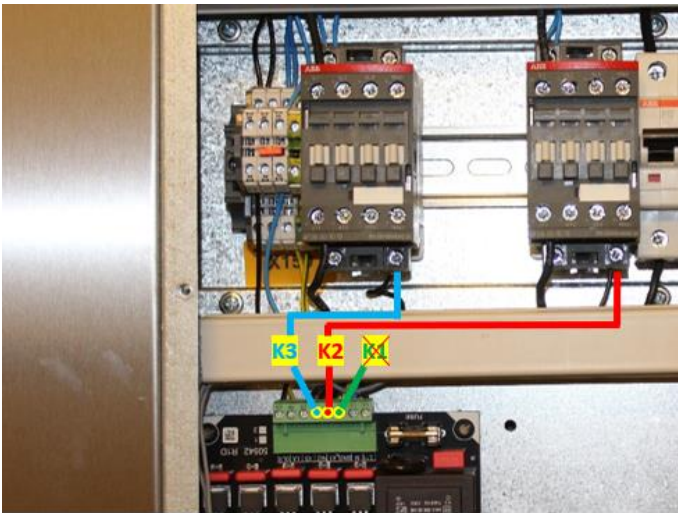
- 10.** PMXXX ED-1 & PMXXX ED-2 with or without -DW
(Only for ovens with extra stone)



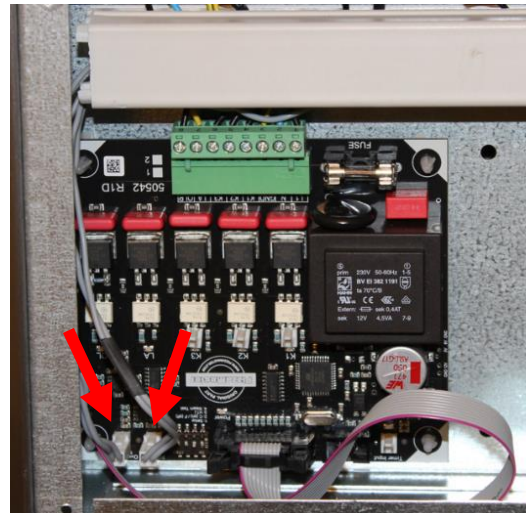
- 11.** Only for -DW without extra stone



- 12.** For PMXXX ED (not -DW, no extra stone)

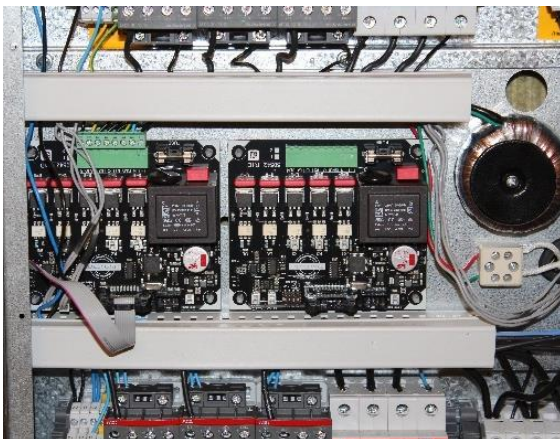


- 13.** Verify PT-1000 sensor is connected to "PT1000" & "Overload"

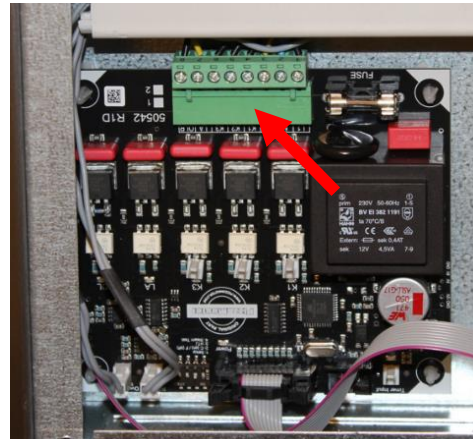


- 14.** Note, if there is 2 PCBs at the same deck...

LH-PCB = Oven PCB / RH-PCB = Steam PCB



- 15.** Check green contact, make sure it's connected properly and all cables is tight



FUNCTION CONTROL CHECKLIST

PM 35X-55X ED

INTERNAL POWER CHECK



WARNING-ELECTRICAL HAZARD!

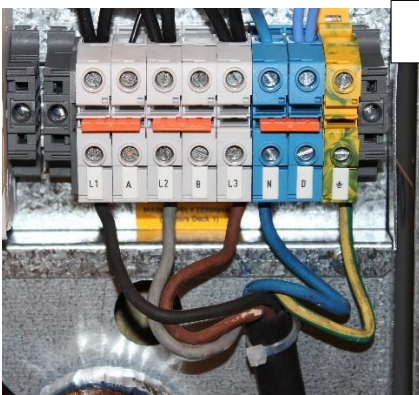
IMPORTANT: The following steps **MUST** be carried out by a **Certified Electrician**



2. Turn ON Breakers/fuses or Plug in the oven: Connect/plug the oven to the power supply



3. Use a digital multimeter to check the incoming power supply



4. Check the voltage for all incoming cables



5. Follow the table beside to know between which terminals you need to measure

Fill in the spaces below with the ~Voltage obtained

X100 / Deck 1

L1 – L2	_____ V
L1 – L3	_____ V
L2 – L3	_____ V
L1 – GND	_____ V
L2 – GND	_____ V
L3 – GND	_____ V
L1 – N	_____ V
L2 – N	_____ V
L3 – N	_____ V

X200 / Deck 2

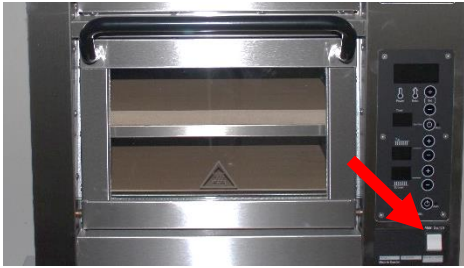
(If available)

L1 – L2	_____ V
L1 – L3	_____ V
L3 – L3	_____ V
L1 – GND	_____ V
L2 – GND	_____ V
L3 – GND	_____ V
L1 – N	_____ V
L2 – N	_____ V
L3 – N	_____ V

FUNCTION CONTROL CHECKLIST

PM 35X-55X ED

FUNKTION CONTROL



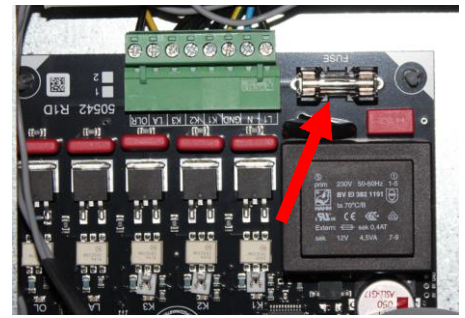
1. Turn main switch to position 1



2. Is the display dimmed and can OFF be seen?

YES ☐ NO ☐

Test of functionality of all components



3. If NOT – Check if the fuse is blown, if so is, this is broken due to incorrect installation or a power surge

2pcs of spare fuses comes with each PCB

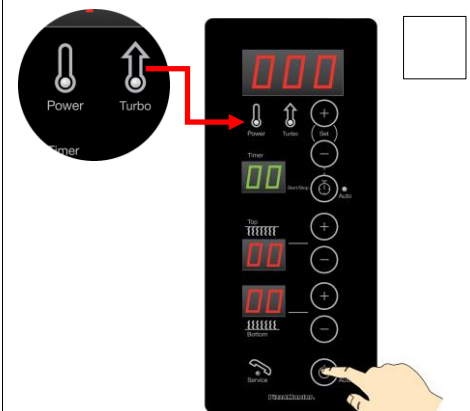


4. Check main circuit board: Measure ~volts between L1 and N on the green 8 pole connector in every deck, fill the next table

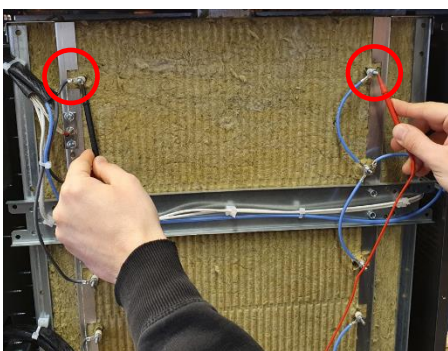
5. Fill in voltage here

Deck2: (If available) _____ V

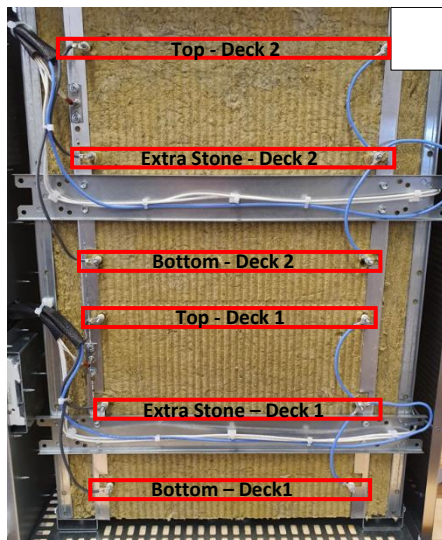
Deck 1: (Bottom Deck) _____ V



6. Press ON/OFF button on deck 1 to start the oven. Set all heat zones to 0, set temp to 0 degrees. Power lamp and turbo lamp should be off

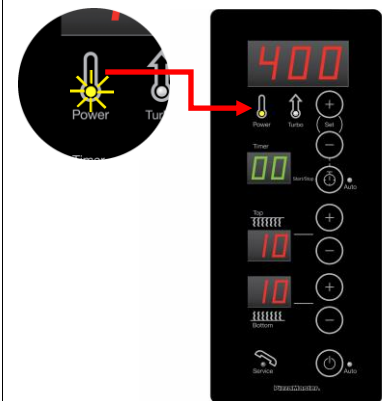


7. Measure ~volts on all heaters (The number of heaters vary depending on model) there Should be **no voltage**



8. Observe! There are different amounts of heater depending on model

For -DW models there is dubble amount of heater in width.

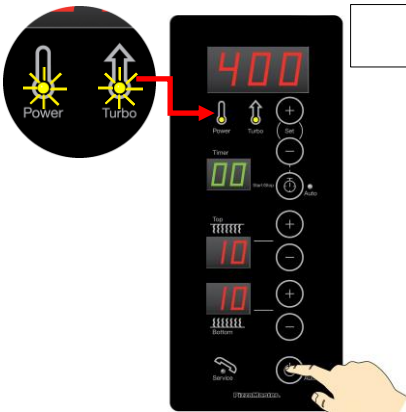


9. Set all heat zones to 10, set temperature to max. Power lamp should be on

FUNCTION CONTROL CHECKLIST

PM 35X-55X ED

FUNKTION CONTROL



10. Turn oven OFF and then ON again, this activates the turbo function (voltage to all heaters) Power lamp on and turbo light should be on

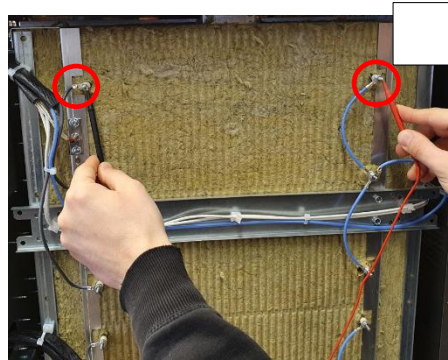
13.

Deck 2 (If available)

L1 _____ L2 _____ L3 _____ A

Deck 1 (Bottom Deck)

L1 _____ L2 _____ L3 _____ A

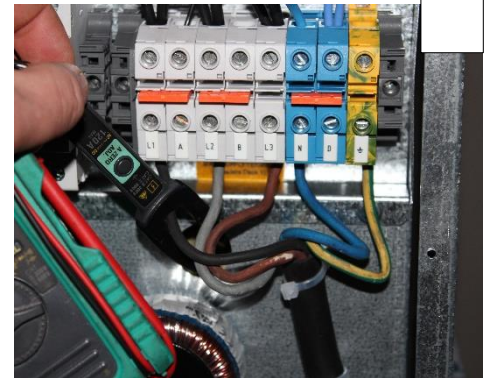


11. Measure all heaters, there should be voltage on all heaters, top, bottom and eventual extra stones.



14. Measure amps on all heaters, write ampere in correct slot in step 15, compare ampere with the electrical schematics.

Test of functionality of all components



12. Measure Amps on incoming wires and note them in point 13

15.

Deck 2 Top (If available) Ampere: _____

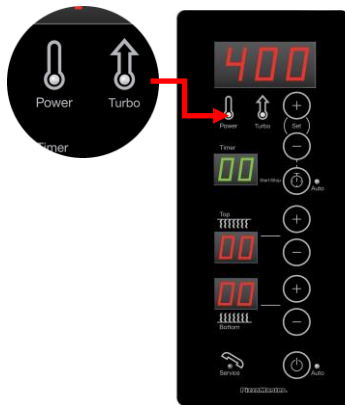
Deck 2 Extra stone (If available) Ampere: _____

Deck 2 Bottom (If available) Ampere: _____

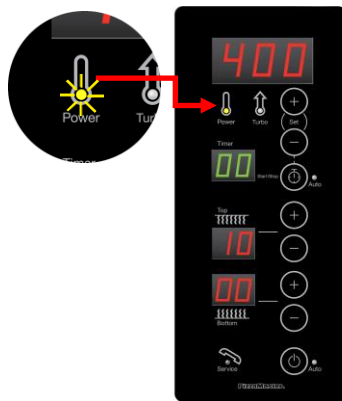
Deck 1 Top (Bottom deck) Ampere: _____

Deck 1 Extra stone (If available) Ampere: _____

Deck 1 Bottom (Bottom Deck) Ampere: _____

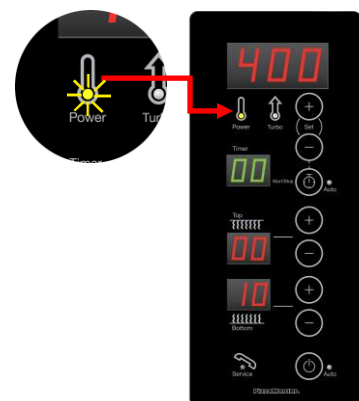


16. Set heat zone TOP to 0 and BOTTOM to 0 this deactivates turbo



17. Increase TOP to 10 Power light should be on, Upper heaters should have voltage, lower heaters should have no voltage

Extra Stones should have voltage (If available)



18. Set heat zone TOP to 0 and BOTTOM to 10 Upper heaters should have no voltage, lower heaters should have voltage

Extra Stones should not have voltage (If available)

REPEAT STEP 1-18 FOR ALL DECKS

FUNCTION CONTROL CHECKLIST

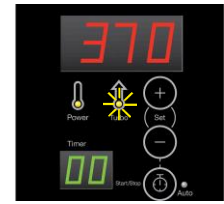
PM 35X-55X ED

PCB TEST

Test the function of PCB

1. TURBO:

When starting the oven cold, **TURBO** function is **ON**. This is a function to reach the set temperature as fast as possible. All heat zones are set to maximum and the Turbo Light is activated. When the oven reaches the set temperature turbo shuts off, and the heaters works with TOP and BOTTOM configuration (See below)

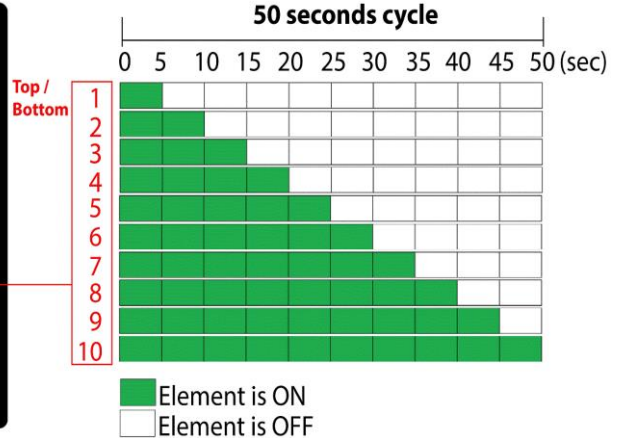
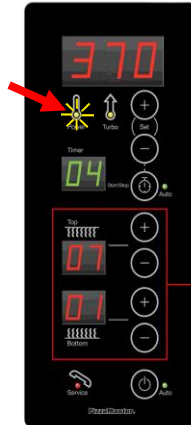


2. TOP and BOTTOM Configuration:

You can set the **TOP** and **BOTTOM** heat zones from 1 to 10:

This means, when the Light Power is **ON**:

- Every heat zone has cycles of "50 Seconds"
- The 50 seconds are divided in 10 segments of 5 sec. each
- During this time the elements at the **TOP** and **BOTTOM** can be **ON** or **OFF**, depending on the settings (see the graphic) on Green the Elements are **ON**, in White the Elements are **OFF**
- For example:
 - If you select 7 on the TOP: The element is ON på during 35 seconds and OFF 15 seconds
 - If you select 3 on the BOTTOM: the element is ON 15 seconds and OFF 35 seconds.



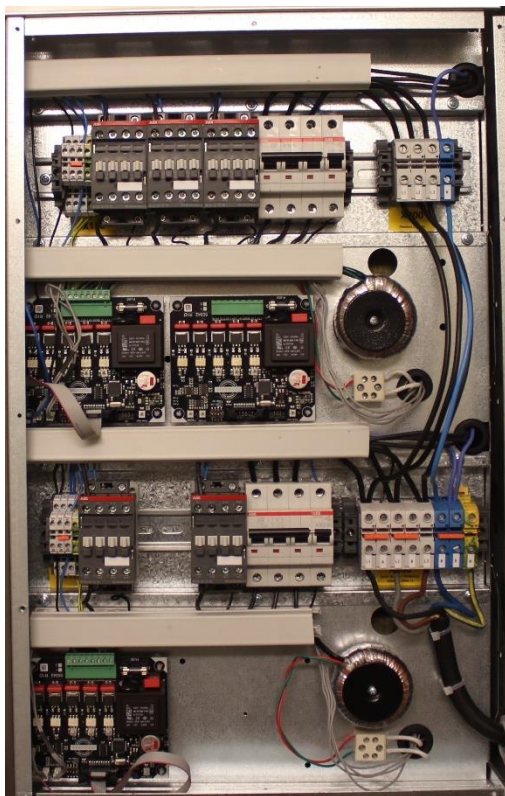
OFF



ON

Check Relay:

- The Contactor must be **INACTIVE** in **OFF** position
- The Contactor must be **ACTIVE** in **ON** position



The amount of contactors vary depending on model

In this example, we have 3 contactors on Top Deck but only 2 contactors Bottom Deck

When 3 contactors per deck :

LH- contactor is remoted as "TOP" in display

Midle contactor is remoted as "Top Front" in display
(shows in "TOP" when pushing "SET" Button)

Function remotes heater under extra stones when option is used

Middle contactor can also appear on -DW models without extra stone, not able to adjust in this case

RH- contactor is remoted as "BOTTOM" in display

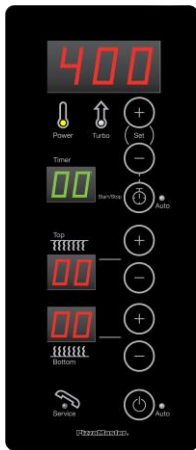
When 2 contactors per deck:

LH- contactor is remoted by Top settings in display

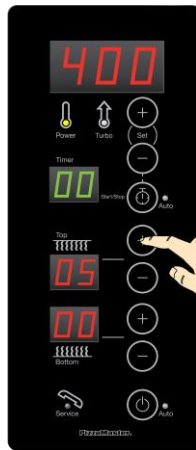
RH- contactor is remoted by Bottom settings in display

FUNCTION CONTROL CHECKLIST

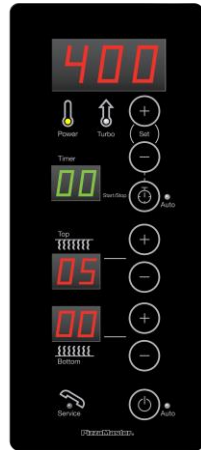
PM 35X-55X ED



3. Start the oven, set **TEMP** to **MAX**, set **ALL HEAT ZONES** to **"0"**. This turns turbo off and activates the software.

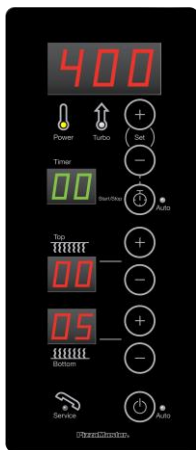


4. Start with **TOP** heat zone. Set heat zone **TOP** to **"5"** and **BOTTOM** to **"0"**, power light is active.



TOP

TOP heat zone, Setting is **TOP "5"** and **BOTTOM 0**. Look at **CONTACTOR FOR TOP** and time the active/inactive cycles. Should be approx 25 seconds active and 25 seconds inactive according to the table



BOTTOM

BOTTOM heat zone, set **TOP** to **0** and **BOTTOM** to **"5"**. Look at **CONTACTOR FOR BOTTOM** and time the active/inactive cycles. Should be approx 25 seconds active and 25 seconds inactive, all according to the table