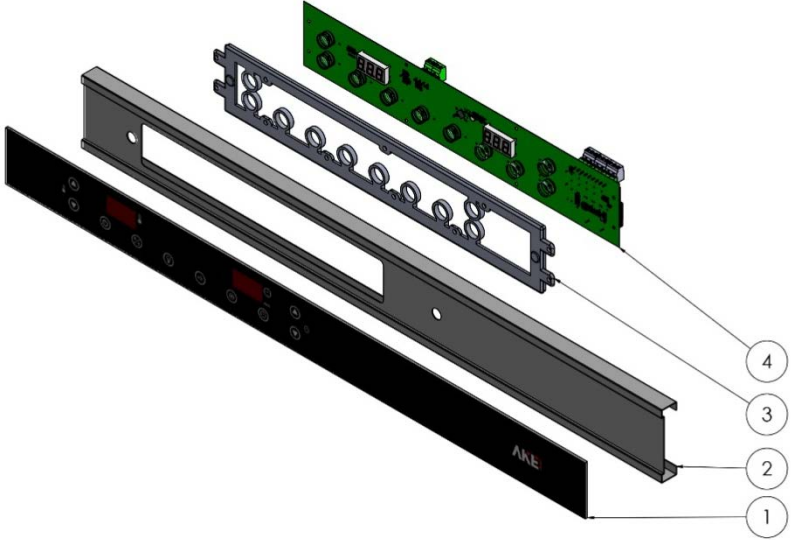


# ELECTRICAL CONVECTIONAL OVEN CONTROLLER (7 SEGMENT TOUCH SCREEN HORIZONTAL TYPE) USER MANUAL

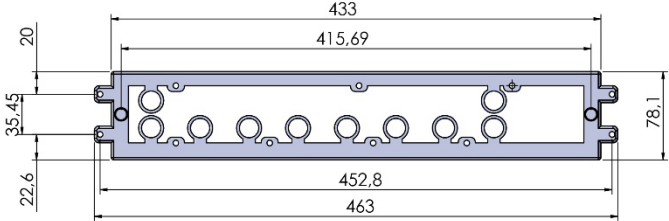
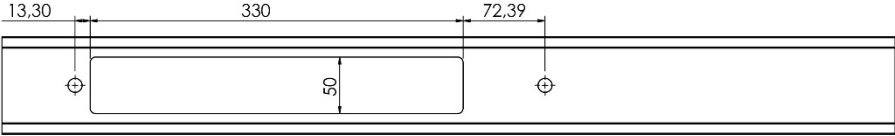
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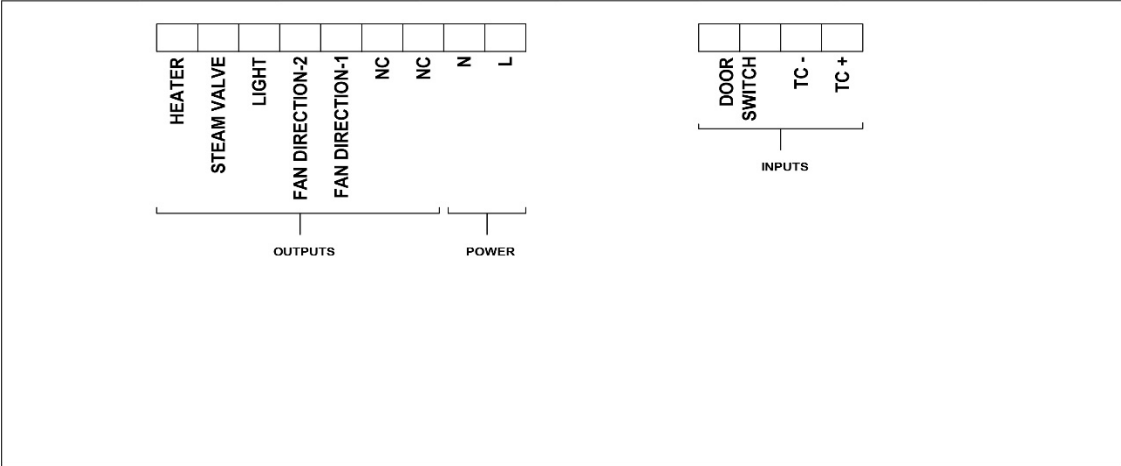
# 1.DEVICE DIMENSIONS



- 1- PLASTIC STICKER (OPTIONAL)
- 2- COVER (OPTIONAL)
- 3- PLASTIC ASSEMBLING PART
- 4- CONTROLLER



# 2.DEVICE CONNECTION DIAGRAM

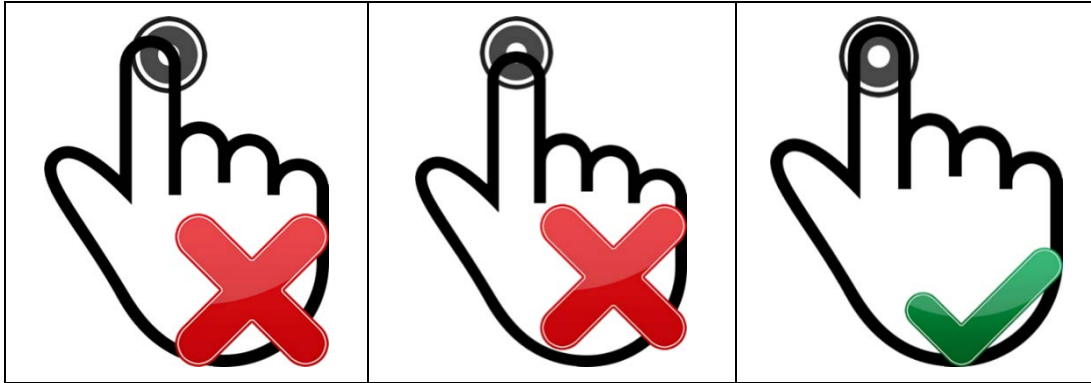


### 3.WARNINGS

- Be sure to read the operating instructions before using the appliance and follow the instructions and warnings in the manual when using the appliance. Otherwise the responsibility for accidents and damages that may belong to the buyer.
- Installation and connection of the device should be done by experienced technicians in accordance with the diagram. Otherwise the responsibility belongs to the buyer.
- The operating ambient temperature of the device should be between 0 to 50 °C.
- The supply voltage must be checked before the device is energized.
- Precautions must be taken to prevent liquid flow into the device and metal chips to conduct. Otherwise, there may be accidents such as fire and electric shock.
- In case of any malfunction, do not interfere with the device. If the malfunction continues, notify the service in writing with the explanation.
- Electrical and mechanical precautions must be taken to prevent accidents and damages if the device is broken while being attached to the machine.
- Never remove the warranty label. Otherwise, your device is not covered by the warranty. The appliance must be repaired by authorized service personnel.
- The cables carrying the sensor and input signals to the device shall be prevented from being moved and influenced separately as far as possible from the inductive load cables operating as feed, control, switching.
- Shielded cables should be selected for the cables that carry the sensor and input signals to the device, and the cable shield must be connected to the ground.
- If more than one electronic device is used, separate feeder lines for each device must be towed. Insulation traces and line filters should be used on the supply line where there is excessive electrical noise.
- No control circuit should be connected to the device supply line.
- The appliance should be cleaned with a soft, damp cloth with a front panel. Thinner etc. do not use substances.
- Do not use high-torque screwdrivers when mounting the device.

#### 4. HOW TO USE TOUCH PANEL

- When the machine is power on, do not touch all buttons until the light of the On / Off button is on.
- As indicated in the following illustration



#### 5. GENERAL FEATURES

It is an elegant and stylish control panel designed for running Electrical Convectional ovens. It provides ease of use with its high sensitivity touch buttons. It sets its users with technology with warning lights, audible warning system, and clear displays. The flexible, impact resistant, waterproof panel makes cleaning easier and its lifetime longer. Company-focused designs can be made with changeable visual design.





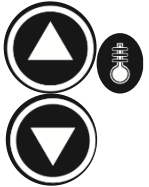



##### 5.1 STANDARD TECHNICAL SPECIFICATIONS

- 2 units 3-digit 7-segments display
- 10 units LED illumination touch button
- 5 units 220VAC output (Max: 10A)
- 1 unit of dry contact digital input
- 1 unit of thermocouple input
- 220-240VAC power supply
- Warning buzzer system
- Impact resistant, waterproof, gasket protected front panel
- Plastic assembling spare part

##### 5.2 OPTIONAL FEATURES

- 12-24V AC/DC power supply
- Customized solutions

## 6.DEVICE FUNCTIONS

	Power ON/OFF: Touch ON/OFF button to power on or power off the oven.
	Start/Stop button: Press the Start/Stop button when you open the oven.
	<b>TIMER:</b> To press the UP or Down button for adjusting cooking time. Touch  button to disable the cooking time, and display of timer will be shown " ---" .
	<b>TEMPERATURE SETTING:</b> To press the UP or Down button for adjusting cooking temperature. The setting value will be shown on the display when you are setting. Normal cooking time will show the instant demperature in the oven.
	<b>LIGHT:</b> Touch the cabinet light key for light ON or OFF. When the cabinet light on, the button also will be on.
	<b>STEAM FUNCTION:</b> When oven is ON, press STEAM button to start steam fuction. Warning : Please close the door when using STEAM function.
	<b>COOLING:</b> Touch Cooling button to start cooling process. <b>Warning:</b> To activate the cooling mode, the door must be open.

## 7. MAINTENANCE GUIDE

**Introduction:** The oven must be switched on and in standby mode.

Process(Steps) : Press as belows : Timer – Timer – Timer – Timer - Light – Timer – Light – Timer

Tempeture setting is by parameter .

Timer setting is by parameter .

Press and hold the timer button to save the values.

Press and holde the On-off button to exit.

Parameter	Description	Value	Unit	Default Value
P00	Return to factory setting	0-1	-	0
P01	Interior ligh auto shutdown time, set max. To infinity.	1-250	Saniye Sec.	30
P02	Maximum set temperture	1-400	Derece Degree	250

P03	Maximum set time	1-240	Min.	120
P04	Steam time	100-999	Millisecond	700
P05	Min. Temp. Limit for Steam	80-400	Degree	100
P06	Next allowable Steam time	5-250	Sec.	15
P07	Fans reverse period	30-900	Sec.	120
P08	Fan off time	10-100	Sec.	30
P09	Cooling Temperature	40-100	Degree	60
P10	Hysteresis	1-10	Degree	2
P11	Test for outputs (Not Suggested for services.)			

## 8. ALARM INFORMATION

### **A-1:** Card failure

Solution: Power must turn off and then turn on again. If not, the card should be replaced.

### **A-2:** Card failure

Solution: Power must turn off and then turn on again. If not, the card should be replaced.

### **A-3:** The thermocouple is not installed or the temperature inside the oven is higher than 500 °C.

Solution: The oven power must be completely cut off. Thermocouple connection, resistance relay and resistance contactor should be checked.

### **A-4:** The temperature inside the oven is higher than 350 °C.

Solution: The oven power must be completely turn off. Thermocouple connection, resistance relay and resistance contactor should be checked.

### **A-5:** The inside of oven panel temperature is higher than 70oC.

Solution: The oven ventilation should be checked.

### **A-6:** The fuse of the oven control panel is short-circuited.

Solution: The fuse of the oven control panel must be changed if it should be checked.

## 9. DEVICE ALARM INFORMATION

**E-1:** Touch stem button was touched while oven temperature was lower than steam temperature.(100 °C).

**E-2:** The steam button was touched before the steaming process was over.(15 sec.)

**E-3:** The start button was touched when door was open

**E-4:** The cooling button was touched when the door was closed

**E-5:** The cooling button was touched while the oven temperature was lower than cooling temperature.

**E-6:** The cooling button was touched while the oven was not in standby mode.