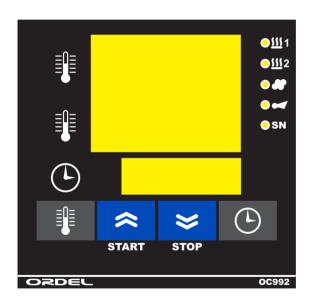
OC992 OVEN CONTROLLER USER GUIDE







Read this user manual carefully before using the device.

Responsibility for accidents and damages caused by non-compliance with the warnings in this manual belongs to the user.

Take precautions to prevent accidents and damages that may occur in case of malfunction of the device.

Do not use the device in environments with easily flammable and explosive gases.

Take precautions to prevent liquid substances and metal parts from entering the device.

Do not touch the terminals while the device is energized.

In case of malfunctions caused by usage errors, the device is out of warranty.

Do not energize the device before making the connections related to the device in accordance with the connection diagram.

The device should be used within the usage limits specified in this user manual.

Sensor and signal cables should not be close to high current and voltage power cables.

The life of the device as determined and announced by the Ministry is 10 years.

Device settings should be made in accordance with the place and conditions of use.

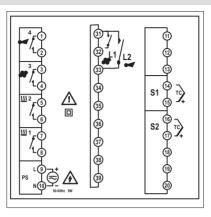
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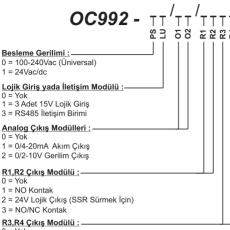
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OC992 Model devices are reliable devices designed for applications where four Temperature-Control and Timing operations must be carried out together, in standard 96x96mm dimensions, manufactured with high technology, compatible with international standards.

It offers ON/OFF control, high sensitivity and stability, wide alternative hardware options, multi-purpose programmability and easy use.

Thanks to the Universal Power Supply, it can be used with any power source.





0 = Yok

1 = NO Kontak

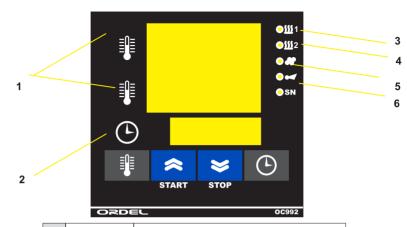
2 = 24V Lojik Çıkış (SSR Sürmek İçin)

Not : R1,R2 modülleri (3) olarak kodlanıldığında R4 modülü (0) yok olarak kodlanmalıdır.

Not : R1 yada R2 modüllerinden biri (3) olarak kodlanıldığında iki röleninde bağlantı şekli NO/NC bağlantıya göre yapılmalıdır.

TECHNICIAL SPECIFICATIONS

Supply voltage	100-240Vac/dc: +%10 -%15 24Vac/dc: +%10 -%20		+%10 -%20	
Power consumption	4W,6VA			
Analog Input (S1)	Thermocouple (E,J,K,L,N,R)			
Analog Input Impedance	Thermocouple: $10M\Omega$			
Analog Output (O1)	Current: 0/4-20mA, 20-	:: 0/4-20mA, 20-4/0mA (RL Voltage: 0/2-10V, 10-2/0V (RL ≥ 1M		10V, 10-2/0V (RL ≥ 1MΩ
Digital Outputs (R1,R2)	NO Contact: 250Vac	NC Contac	t: 250Vac	Pulse: 24Vdc 20mA
Contact Life	No Load: 10,000,000 switching, 250V 3A Resistive Load: 100,000			
Memory	100 years, 100,000 renewals			
Accuracy	+/- %0,2			
Sampling Time	100ms			
Ambient Temperature	Operating: -10+55C, Storage: -20+65C			
Dimensions	Width: 96mm, Height: 96mm, Depth: 110mm			
Panel cut dimensions	45+/-0,5 mm x 45+/-0,5 mm			
Weight	430gr			



1	TEMPERATUR E INDICATOR	Displays oven temperature and error messages.
2	TIME INDICATOR	While timing is in progress, it shows the remaining time and becomes "0" when the time is over.
3	<u> </u>	It shows the status of the heater (R1) connected to the first sensor.
4	<u> </u>	It shows the status of the heater (R2) connected to the second sensor.
5	*	It lights up while steaming.
6	~	Flashes at 1s intervals while timing is in progress.
7	TEMPERATURE SETTING KEY	It is used to enter the temperature set values.
8	UP ARROW KEY	It is used to change the parameter value currently on the screen.
9	DOWN ARROW KEY	It is used to change the parameter value currently on the screen.
10	TIME SETTING KEY	It is used to set the runtime and steam time.

Setting the Temperature Value:

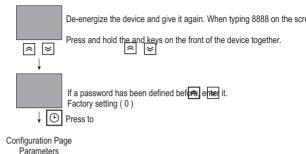
The key is pressed. When the value on the temperature indicator flashes, the set value common
to the temperature indicator is set to the desired temperature value with the and keys.
If the key is pressed one after the other, parameters are entered for separate set values (
5EL. (, 5EL.2)
*

Setting the Time Value:

The key is pressed. When the value on the time display flashes, the value on the time display is adjusted to the desired time value with the and keys.

When the button is pressed a second time, the steam time set value comes. If steaming is automatic, the steaming time is entered and waited. If steaming is automatic, steam is given by pressing the button.

To Switch to the Configuration



Screen

Explanation

Par.01--- [.2

Security password to login to the configuration page. If a password is defined, the menu cannot be accessed without entering the password. The password is defined as (0) in the factory setting. In case of forgetting, the menu can be accessed by entering 5647.

Setting Options: 1999 - 9999

Par.02--- F5

Used to restore factory settings. To do this, take this parameter to position and press keys together before and after this parameter is on the screen. When this process is done correctly, the device is reset and turned off and on again. Factory settings will be restored.

Par.03---- dP

The decimal degree of measurement. When this parameter is changed, the set and hysteresis values should be checked.

Ayar seçenekleri: 🛭 - 🛚 I

Par.04---- 5 1.E

Determines the type of first sensor input.

Setting Options: Table 1

Table-1

AI1.T	Sensor Type	Standard	Temperature Range	
AII.I	Sensor Type	Standard	(°C)	(°F)
ТС-В	Type B Thermocouple	IEC584-1	60, 1820	140, 3308
TC-E	Type E Thermocouple	IEC584-1	-200, 840	-328, 1544
TC-J	Type J Thermocouple	IEC584-1	-200, 1120	-328, 1562
TC-K	Type K Thermocouple	IEC584-1	-200, 1360	-328, 2480
TC-L	Type L Thermocouple	DIN43710	-200, 900	-328, 1652
TC-N	Type N Thermocouple	IEC584-1	-200, 1300	-328, 2372

Par.05---- 5 (6)

Sensor disconnect

Setting options: Lo -HI

Par.15---

It determines the type of "R1" Relay output module.

Setting Options: Table 2

Par.16---

It determines the type of "R2" Relay output module.

Setting Options: Table 2

Table-2

0	OFF	Not Used
1	ROC	On / Off Heating Output
2	DOC	On / Off Cooling Output
3	AHA	Absolute Up Deviation Alarm
4	ALA	Absolute Down Deviation
5	HDA	Relative Up Deviation Alarm
6	LDA	Relative Down Deviation
7	OBA	Out of Band Alarm
8	IBA	In-Band Alarm

Setting Options: 1999 - 5PHL

°C Birimi

Par.18----

It determines the upper limit of all set values.

Setting Options: 5PLL - 9999

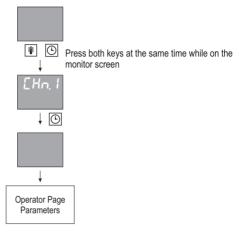
°C Birimi

Par.19---- 5 []

Sets the password to enter the configuration page screen.

•		
Par.06 HL	Temperature Unit	
0[Setting Options: "E - "F	
Par.07	Temperature error recovery value. According to the (+) or (-) value entered in this par or subtracts the value read from the sensor and displays it on the screen.	ameter, it adds
8.8	Setting Options: 100 - 100	Unit °C
Par.08FEE	Filter time constant.	
1.13	Setting Options: 0.1 - 10.0 Ur	nit Second
Par.09nodE	It is the operating mode of the oven. When Γ on is selected, the oven continuously, when S is selected, heating starts when the START pressed. When the STOP key is pressed, the operation stops.	
Eon	Setting Options: Can - 5ErE	
Par.10	L2 is the numeric input. Switch is connected to L2 input. In the aFF position of some position it controls the operation of the oven.	
oFF	Setting Options: aFF - an	
Par.11 5 & r &	L1 is the numeric input. Switch is connected to L1 input. In the aFF position of activated, in the apposition it controls the operation of the oven.	
off	Setting Options : aFF - an	
Par.12	It determines how the steaming process will be.	
- ñAn	Setting Options: הֹאָה (Manual) - פּבּם (Automatic)	
Par.13	It determines how the alarm will be given when the cooking time	e is over.
	Setting options: Ean (Continuous) - Łūń (Timed)	
Par.14	If the bUEr parameter is selected as £c̄c̄ (time dependent), it how long the alarm will be given. It gives an alarm for the time eand stops the alarm at the end of the time.	
	Setting Options: 1 - 9999	

To Switch to Operator Page



In order to access the operator page parameters, they are entered by pressing the and keys together while the device is energized.

Screen

Explanation



Total operating hours of the device.

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