



**PORTABLE OZONE GENERATOR
TKZ-P97S PLUS**

OPERATING MANUAL

What is Ozone?

The ozone is an unstable gas consisting of three oxygen atoms. It is the state of oxygen which is present in diatomic atmosphere (O₂) and reserves a very high energy.

The ozone gas comes out in the nature when the ultraviolet rays coming from the sun or lightning break up the oxygen in the atmosphere.

Since the oxygen gas is heavier than air, it goes down the earth surface and cleans the air by natural methods. The smell that we feel specifically in the rainy or stormy days, is the peak form of ozone on the earth surface. Therefore, it is very crucial for protection of all creatures on the earth surface.

The ozone gas oxidation has started to be used widely in the recent years since it is very high and known to be most powerful disinfectant and it does not leave any residue harmful to human body compared to other disinfection methods.

The ozone disinfection is more powerful compared to other disinfection methods. It has a destructive effect for all known types of viruses, bacteria, fungi, yeasts and molds by breaking up the cell walls of ozone organisms.

Common Use Areas of Ozone Gas

- Disinfection of vehicles
- Disinfection of hotel rooms
- Re&De practices
- Disinfection of ambient air
- Deodorization
- Disinfection of water dispensers

Common Use Areas in Industrial Practices

- Disinfection of potable water
- Disinfection of pools
- Water and air disinfection in foodstuff plants
- Water and air disinfection in greenhouses
- Ozone Use in Textile Sector
- Ozone Use in Medical Sector
- Ozone Use in Transportation

**!!! Follow the Rules Given Below in Order
Not to Damage the Device and
Environment**

- Check its conformance to 220 Volt 50 Hz frequency and earthing before wiring up the device to network. Don't operate the device if the connections are not convenient.
- The manufacturer and seller do not assume responsibility for problems which may arise from mains voltage not conforming to electrical safety rules specified.
- Don't unplug the power lead by pulling it from device or cable.
- Don't insert foreign matters into openings and ventilation holes of device.
- Don't contact the control panel and entire device with water in order not to damage the device and since this will threat damage.
- In case of breakdown, inform the closest authorized service.
- Operate this device in conformity with verbal and written operating instructions of authorized service.

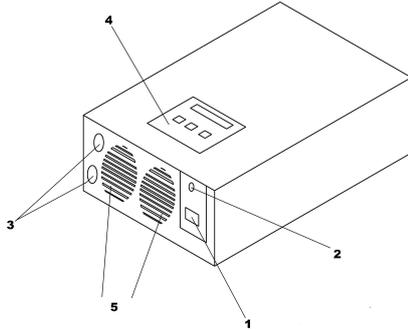
**!!! Follow the Rules Given Below in Order
Not to Damage the Device and
Environment**

- The manufacturer and seller do not assume responsibility for problems which may arise from wrong, out of purpose or unnecessary use outside the operating instruction.
- Use only parts recommended by manufacturer and authorized service as spare parts and accessories.
- Don't open the device. Only the service, which is authorized by manufacturer, can open the device.
- There is no device part that you can intervene.
- Don't smoke and leave direct fire near the device.
- Don't leave it idle except for point of ozone discharge when the device is operating, and otherwise, this may pose hazard to health.
- Don't breathe the ozone gas directly.
- Clean the device in conformity with the operating instructions.
- Keep the device away dust and moisture.
- Contact with closest authorized service at the times of periodical maintenance.

TECHNICAL PROPERTIES

Marka	Teknozone	Teknozone
Model	TKZ-P97-PLUS	TKZ-P97S-PLUS
Ozon Çıkışı	2500 mg/hr	4000 mg/hr
Ozon Üretim Metodu	Corona Discharge	
Çalışma Voltajı	220 Volt/ 50 Hz	
Enerji Tüketimi	56 Watt	84 Watt
Soğutma	Air	
Kontrol ünitesi	0-60 minute Digital Programming	
Kasa	Stainless Steel (316)	
Aksesuarlar	Silicon Tube	
Uzunluk	450mm	
Genişlik	270mm	
Yükseklik	110 mm	

DESCRIPTION OF DEVICE



- 1- 220 V 50 Hz Electric Power Input
- 2- Turn On-Off Button
- 3- Ozone Discharge
- 4- Control Panel
- 5- Ventilation Hole – 1
Ventilation Hole – 2

CONTROL PANEL



- Decreases the cursor or period selected,
- Sets the time and date,

- Confirms the cursor or menu selected,
- Enter to Settings Menu,

- Increases the cursor or period selected,
- Displays the serial number of device and operating and maintenance periods

OPERATING OPTIONS FOR DEVICE

Start-Stop Mode

The period required for operating and stopping the device is set and thus, the device will operate and stop automatically within these periods unless the user makes any intervention.

Timing Mode

The operating period of device is set and thus, the device will stop at the end of this period set and the sound alarm will be given to user.

Real Time Mode

Enter the real local time to operate and stop the device. Thus, the device will operate and stop within the periods set. It continues to operate and stop within these periods unless the user makes any intervention.

Full Operating Mode

The device operates continuously when the device is turned on by on-off button.

*** If the operating options of device are not changed, the new device will operate at the timing mode.

*** In order to stop the device, push  button for once when the device is operating in all modes. When the device is in the stop mode, push  button for once to operate the device.

*** You have to wait 15 seconds after giving a stop command to your device. Waste ozone in the device will be evacuated in the meantime.

SETTING THE OPERATING MODE OF DEVICE

- Plug in the power cord of device,
- Push on-off button and  button simultaneously,
- Release  button after the Settings menu has been displayed on the screen and you hear the beep sound.
- Push  or  button to go to the mode that you want to select,
- Push  button to confirm your choice,
- Finally, push  button to record and exit from the menu.

OPERATING THE DEVICE

- ✓ Install and place the device at the point of application,
- ✓ Plug the power cord in the power socket of device,
- ✓ Plug the power cord in socket,
- ✓ Make the connection between ozone discharge and application point by using a silicone hose,
- ✓ Set the on-off button of device to on (I) position.
- ✓ Press the  key and give a run command. The device will operate in automatic cycles.

Start-Stop Mode

- Push  button to set the stop time (max. 60 min.),
 - Push  button to set the operating time (max. 60 min.),
 - Push  button to set the operating time (max. 60 min.),
 - Push  button to operate the device.
- The device will operate and stop automatically within the periods set.
** The icon R will flash when the device is operating.

Screen Shot of Operating Status

Operating Time Set

Mode Selected	F C > 005	12:03	Time
Warning of Operating Status	R D > 015	18:11	Date

Stop Time Set

Timing Mode

- Push  or  button to set the operating time (max. 60 min.),
 - Push  button to set the operating time (max. 60 min.),
 - Push  button to operate the device.
- The device will stop at the end of period set and it will warn the user vocally and visually.
** The icon R will flash when the device is operating.

Screen Shot of Operating Status

Operating Time Set

Mode Selected	T A > 005	12:03	Time
Warning of Operating Status	R K > 003	18:11	Date

Stop Time Set

Real Time Mode

- Push  button to set the real local time for operating,
 - Push  button to set the real minute for operating,
 - Push  button
 - Push  button to set the real local time for stopping,
 - Push  button to set real local time for stopping.
- ** The icon R will flash when the device is operating. This

Screen Shot of Operating Status

Operating Time

Mode Selected	G C > 04:00 < 12:03	Time
Warning of Operating Status	> D > 05:00 18:11	Date
	Stop Time Set	

Full Operating Mode

- Push  button
- The device will operate.
- The icon R will flash on the screen.
- The device will operate as long as it is powered.

Screen Shot of Operating Status

Mode Selected	S C > 000 : 06 12:03	Time
Warning of Operating Status	R 18.11	Date
	Stop Time Set	

SETTING THE DATE AND TIME

- Plug in the power cord of device,
- Push on-off button and  button simultaneously and release the button when the time setting is displayed on the screen,
- Push  or  button to set the time and  button to confirm the cursor set and then, set the minute, second and date to complete the procedure.

DISPLAYING THE DEVICE INFORMATION

- Plug in the power cord of device,
- Push on-off button and  button simultaneously and release the button when the time setting is displayed on the screen,
- Push  button to return to home screen after the information has been displayed.

Serial Number

SN: 100913 - 1755
C: 00000B: 0000:03

Maintenance
Period

Operating
Period

MAINTENANCE

1A Maintenance: It is the maintenance procedure performed by the user after 200 hours of use of portable devices. The device gives 1A user maintenance warning. Maintenance is done by the user.

When performing this maintenance, follow the steps below;

1. The device is turned off from the power key.
2. The device is disconnected from the power socket.
3. The outer surface of the device is cleaned with a slightly damp cloth that does not leave lint.
4. The electrical connection of the device is made again.
5. The device is turned on by pressing the right button and pressing the power button. A2 service maintenance means A1 user maintenance. The device is turned on by holding down the button with the up arrow, and A1 maintenance is reset by long pressing the middle button.
6. After the reset, the device is turned off and on again using the power key.
7. If any problem is observed, contact the nearest authorized service.

2A Maintenance: It is the maintenance procedure performed by the AUTHORIZED SERVICE after 400 hours of use of portable devices. The device gives a 2A service maintenance warning. Maintenance is done by AUTHORIZED SERVICE.

When the device gives a 2A maintenance warning, please contact the Authorized Service.

TECHNICAL SUPPORT CONTACT



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