



A7K Ozone Generator 220V Operating Manual



**Produced for and Distributed
by:**

**A2Z Ozone, Inc
1844 Cargo Court.
Louisville, KY 40299 USA
1+502-499-4977**

EPA Est.: 95432-KY-1

**Active Ingredient: Ozone.
Warning: Do Not Inhale Ozone.
Keep Out of Reach of
Children.**

**Produced by:
Bluegrass Water Technology
Shenzhen Co., Ltd.
Shenzhen, Guangdong**

EPA Est.: 95432-CHN-1

Made in China

***Register your product at a2zozone.com/pages/warranty**

Version 1.2.4

Table of Contents

Important Safety Information 2

Technical Specifications 3

A7K Features 4

Timer Functions 7

Operating Instructions 8

Maintenance10

Troubleshooting 13

Warranty 14

This unit is designed to remove pet odor, smoke odor, cooking odor and skunk odor. Do not use this unit for odor caused by flammable items or solvents.

IMPORTANT:

When operating an ozone generator, please remember to remove people, pets, and plants from the area. Be sure to leave the area immediately and only return once the ozone has dissipated. Under most conditions, the treated area should be safe to return to in 12-24 hours after the unit stops producing ozone. Ozone has a half-life of 30 minutes. Treated spaces or buildings should be well-ventilated prior to re-entry. Do not use around flammable substances or solvents.

For questions, please call **1+ (502) 499-4977** OR email **info@a2zozone.com**

Important Safety Information

READ AND FOLLOW ALL INSTRUCTIONS - Save for Future Reference

- **Store the A7K in a cool, dry area.**
- **DO NOT open the casing. There is a risk of electric shock.**
- **Do not take the ozone generator apart as mechanical failure may occur. Return the unit directly to A2Z Ozone for repair.**
- **Do not breathe in ozone directly. Prolonged exposure to ozone may cause lung damage.**
- **Breathing in ozone may cause shortness of breath, lung irritation, headaches and lead to long term respiratory issues.**
- **The A7K is designed to shock treat rooms with strong odors.**
- **Make sure the room is properly ventilated (for example: opening windows) after the appropriate amount of time.**
- **Ozone half-life is 30 minutes. This means that after the cycle has completed in 30 minutes, half of the ozone would have dissipated. In another 30 minutes, another half of the ozone would have dissipated.**
- **Be sure to remove any gasoline or other flammable chemicals from the treatment area as they are an extreme fire hazard.**
- **DO NOT use this unit to remove odor that comes from flammable fluids or solvents. This is an extreme health hazard. Some chemical solvents react with ozone and create harmful substances. Do not ozonate a freshly painted room as it can have an adverse reaction with chemicals in the paint.**

Please note: In the state of California, ozone generators are for industrial use only. Use only in unoccupied spaces.

Health hazard: Emits ozone

Technical Specifications

Items Included:

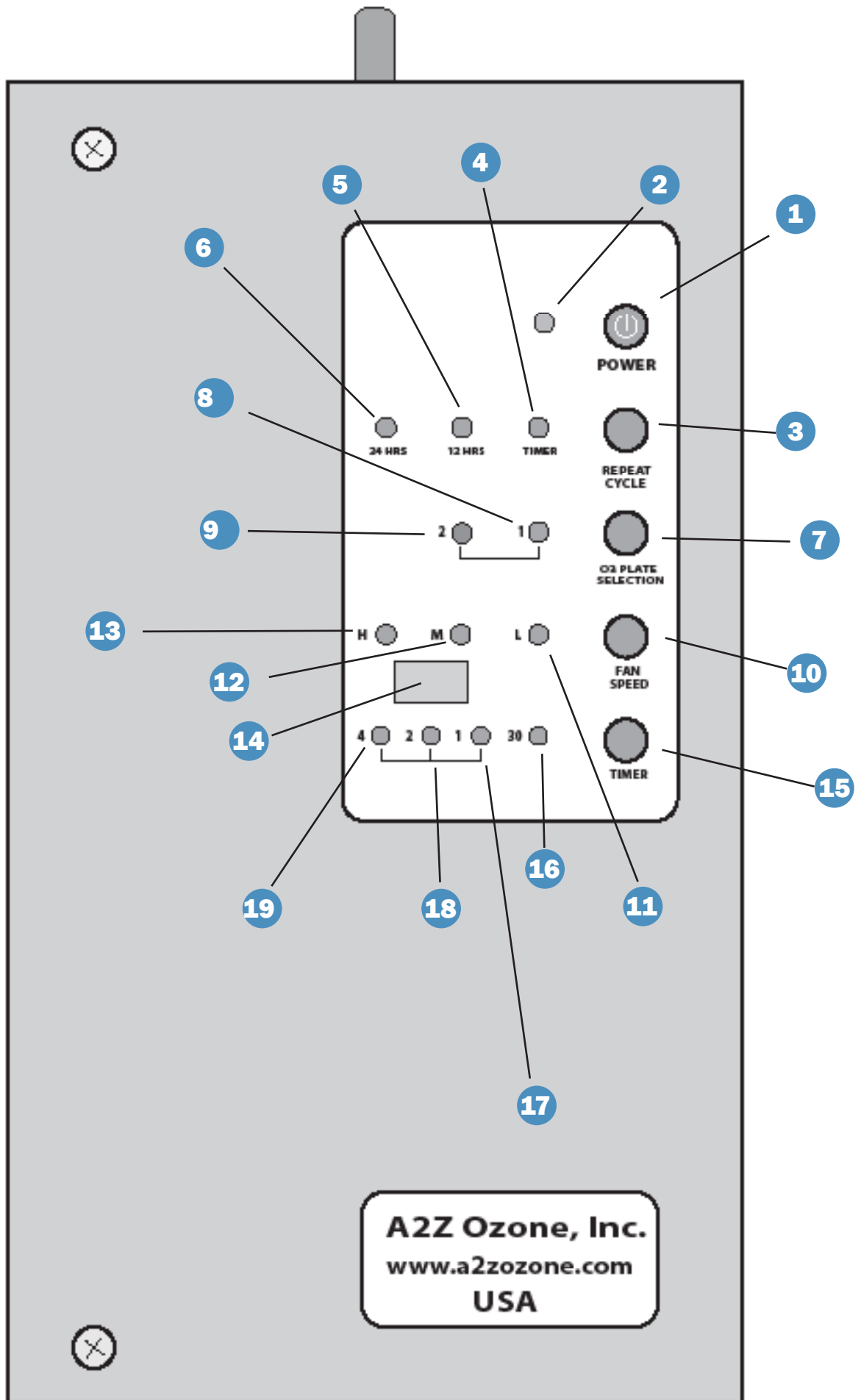
- **A7K ozone generator**
- **A7K ozone generator operation manual**
- **Remote control***
- **Power cord**
- **Spare control board fuse (2 AMP)**
- **Spare rocker switch fuse (3 AMP)**

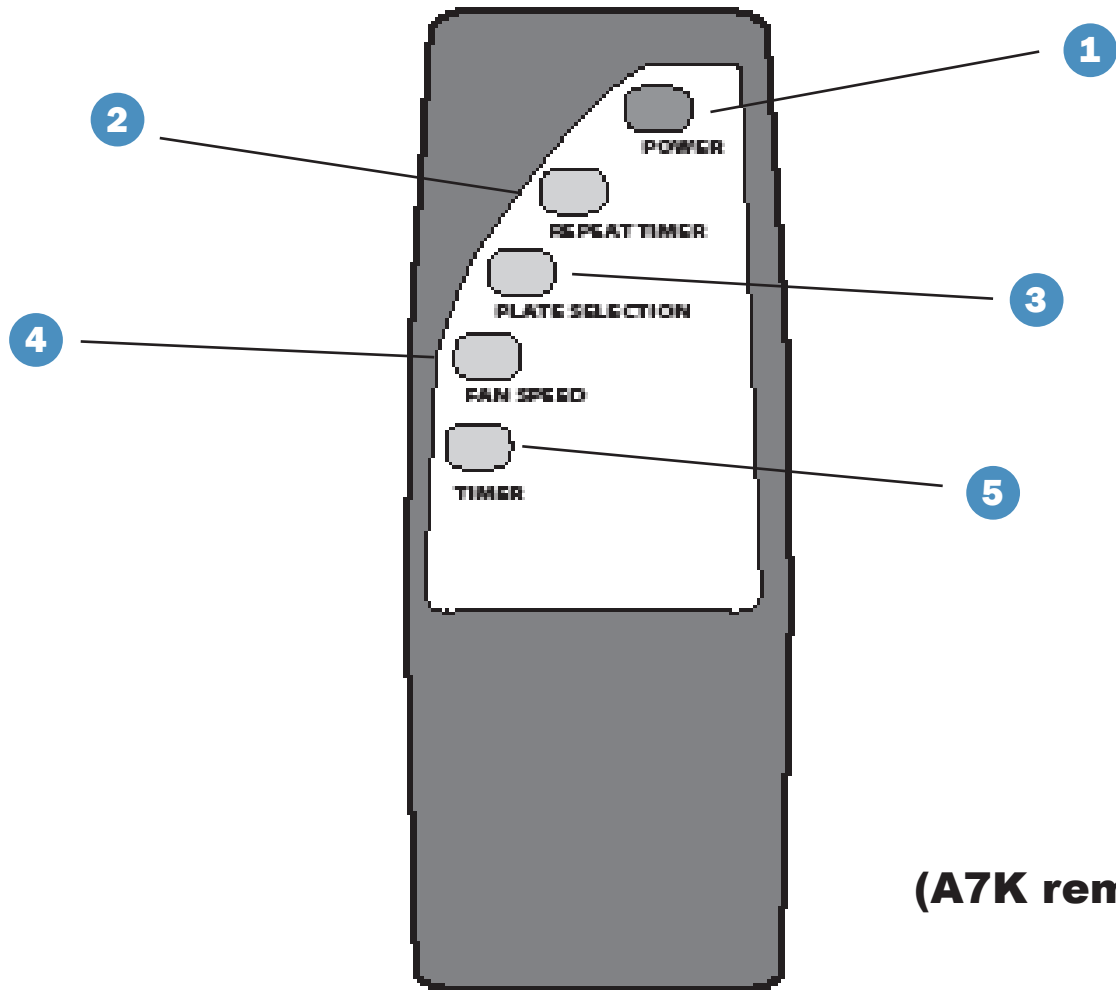
*Remote control batteries (2 - AAA) not included due to shipping safety regulations.

Specifications	
Model	A7K
Voltage	220 V 50/60 Hz
Power and Fan Settings	95W, 98W, 100W
Ozone Output	3500 to 7000 mg/hour
Timer	30 minutes, 1 hour, 2 hours or 4 hours
Air Flow Rate	50, 100, 150 CFM
Dimensions	10 x 5 x 11 inches 306 x 134 x 268 millimeters
Weight	13 lbs/6 Kg
Runtime	<ul style="list-style-type: none">• One time• Repeat time setting• Run once every 12 hours• Run once every 24 hours

A7K Features

1	Power Button	Used to turn the unit on and off. The power switch on the back of the unit can also be used.
2	LED Power Indicator	Indicates if unit's power is ON or OFF
3	Repeat Cycle Button	Used to turn the repeat cycle function on or off
4	Repeat Timer Indicator	When lit, this indicates the repeat cycle function is activated for 1 hour
5	12 Hours	Indicates the 12-hour repeat timer function is on
6	24 Hours	Indicates the 24-hour repeat timer function is on
7	O₃ Plate Selection Button	Used to activate one ozone plate or both ozone plates
8	Plate 1	Indicates an ozone plate is activated. Produces 3500 mg/hour
9	Plate 2	Indicates an ozone plate is activated. Produces 3500 mg/hour
10	Fan Speed Button	Used to change the fan speed of the unit: high, medium or low
11	Low Fan	Indicates the unit's fan is on the lowest setting
12	Medium Fan	Indicates the unit's fan is on the medium setting
13	High Fan	Indicates the unit 's fan is on the highest setting. This setting is recommended when the unit is being used for larger areas.
14	Remote Signal Receiver	Remote signal receiver receives signal from A7K remote
15	Timer Button	Used to set the unit timer function
16	30 Minutes	Indicates the unit's 30-minute timer is set
17	1 Hour	Indicates the unit's 1-hour is set
18	2 Hours	Indicates the unit's 2-hour timer is set
19	4 Hours	Indicates the unit's 4-hour timer is set





(A7K remote)

Note: Keep remote signal receiver area clear. (14 on previous page)

1	Power Button	Used to power the unit on or off
2	Repeat Timer	Enables one time, repeat time, 12 hour, or 24 hour repeat cycle
3	Plate Selection	Used to select how many plates are activated on the A7K
4	Fan Speed	Controls fan speed: low, medium, high
5	Timer	Sets timer function: 30 minutes, 1 hour, 2 hours or 4 hours

Timer Functions

Timer Functions--The pre-programmed A7K Timer functions at the bottom of the control panel can be controlled using the buttons on the face of the unit or by the remote control: 30-Minutes, 1-Hour, 2-Hours, and 4-Hours.

Repeat Cycle Timer Functions--The Repeat Cycle timer functions located under the power button can be set to No Repeat, 12-Hour Cycle, or 24-Hour Cycle.

The 12-Hour Cycle will repeat every 12-Hours on the original timer function setting. For example, if the Timer is set on 30-Minutes and the Repeat Cycle timer is set on the 24-Hour Cycle timer function, the A7K Ozone Generator will run 30 minutes to begin, then again in 24-Hours for another 30 minutes. The LEDs will be illuminated on the 30-Minute Timer setting and the 24-Hour Cycle setting.

Likewise, if the Timer is set on 4-Hours and the Repeat Cycle is set on 12-Hours, the A7K Ozone Generator will run 4 hours to begin, then 4 hours again in 12 hours. The LEDs will be illuminated on the 4-Hours Timer and the 12-Hours Repeat Cycle settings.

The Repeat Cycle will continue until the A7K Ozone Generator is shut off.

In between cycles, the A7K Ozone Generator's fan will continue to operate, circulating air until the next cycle begins.

Operating Instructions

DIRECTIONS FOR USE:

Plug the A7K power cord into the back of the unit and the wall socket.

- Turn the rock-switch power button on, which is located on the back of the unit by the power cord.
- Push the power button on the front of the unit.

NOTE: The remote control or the button on the face of the unit may be used. The A7K should come on with the fan speed and plate selection set on the low setting with the LEDs illuminated.

Push repeat cycle option on or off. (See Timer Functions, Page 7, and “Operating the Repeat Cycle Timer” on Page 9.)

- When the repeat cycle LED light is off, the unit will run one time and stop.

Select O₃ plate selection options:

- Push button one time for Plate 1
- Push again for Plate 2
- Push again for both plates
- Push again for no plates

NOTE: One O₃ plate = 3500 mg/hour output, both O₃ plates = 7000 mg/hour output. Both plates are needed for smoke odor.

Choose fan speed:

- L for Low
- M for Medium
- H for High

Select the Timer option: 30 minutes, 1 hour, 2 hours or 4 hours

Operating the Repeat Cycle Timer:

- **The unit will produce ozone for the selected amount of time (30-Minutes, 1-Hour, 2-Hours or 4-Hours).**
- **If the 12-Hours LED beside the repeat cycle indicator is on, the cycle will repeat in 12 hours.**
- **The unit will produce ozone for the selected amount of time (30 minutes, 1 hour, 2 hours or 4 hours).**
- **The A7K fan will then run for an additional 30 minutes with the ozone plates off to cool the unit and spread ozone throughout the area.**
- **The 12-Hour Cycle will repeat until the machine is turned off.**
- **If the 24-Hours LED beside the repeat cycle indicator is on, the cycle will repeat in 24 hours.**
- **The 24-hour cycle will repeat until the machine is turned off.**

CAUTION: Be sure to allow the unit's fan to run 30 minutes at the end of the ozone cycles to cool the unit properly. If the unit is not properly cooled, damaged plates can result.

NOTE: When the unit is powered off, the machine will default to the last settings used when powered on again.

For Best Results

- **Before beginning ozone treatment, make sure the room is sealed completely, including vents.**
- **Place the unit in the center of the room to ensure ozone is dispersed evenly.**
- **As room size increases, also increase fan speed and treatment time.**
- **For more severe odors, activate both plates.**
- **Once the cycle is completed, allow time for ozone to dissipate before re-entering the room.**

Maintenance

Rocker Switch Fuse Change

- Unplug the unit from the outlet. Then unplug the power cord from the unit.
- The fuse is between the back rocker switch and the power cord connector.
- Use a small, flat screwdriver to remove fuse holder.
- Remove and then check the fuse. The unit originally comes with a spare fuse. It is located in the spare fuse holder in the back of the A7K Ozone Generator.
- Simply press the new fuse into place.

Board Fuse Change- This is a fuse on the control board behind the front cover

- Make sure the unit is off and unplugged.
- Remove screws from the front of the unit.
- The fuse is located on the control board.
- Remove the fuse.
- It may be necessary to pull slightly.
- Place the new fuse where the old one was.
- Press down until you hear it click into place.

Note: There is another fuse located next to the power cord on the back. This is the rocker switch fuse mentioned previously.

Keep in mind, there are differences between the old A7K control board and new A7K control board. Take note of which unit you own before completing maintenance work. If you have this manual with your purchased unit, you will need the new A7K board.

1	Main Power Switch	If not turned on there will be no power for the unit.
2	Power Input	Where you will plug in your power cord to the unit.
3	Main Fuse Holder	Normally the fuse that blows. Additionally, there is a spot for a spare fuse.

In Accordance with California Regulations
 – This Ozone Generator is Solely for Industrial Use
 and Must Be Installed by a Professional.
 Potential Health Hazard: Emits Ozone.

ATTENTION
 – Service unit only by certified technicians
 – For safety instruction read manual before operating this unit

Because of the High Concentration of Ozone Produced by the A7K DC unit use this unit in an Occupied Room where People, Pets and Plants are not. The A7K is designed to "Shock Treat" rooms with strong odors and mold. After operating this unit, make certain that the room is well-ventilated before reoccupying. Ozone has "Half-Life" which means that after the cycle has completed in 20 minutes half of the ozone would have dissipated, in another 20 minutes another half of the ozone would have dissipated and so on.

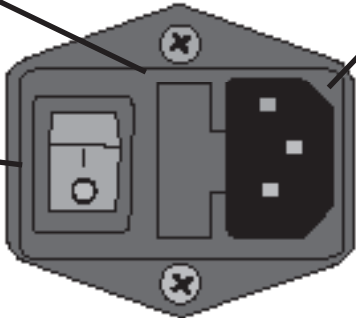


A7K Data	
Model	DC
Make	WESTERN
Year	2005
Condition	Used
Use	Industrial Use
Serial	1234567890
Lot	12345
Unit	123
Notes	

3

2

1



CE



SERIAL #

Cleaning Plates

Cleaning the A7K plates regularly will extend the life of the ozone plates.

IMPORTANT: Ensure the unit and plates are fully cooled before maintenance.

- **Make sure the unit is off and unplugged.**
- **Remove screws from the side of the unit and air vent.**
- **Unit will have 6 screws.**
- **Place the screws in a safe location so they aren't lost during the maintenance process.**
- **Remove the outside cover.**
- **Use a razor blade to scrape oxidized materials from the plates.**
- **We recommend using a flat, straight razor blade for best results.**
- **Be sure not to hit with the razor where the plates are soldered together.**
- **If the solder is fractured, the plate will need to be replaced.**
- **Scrape across the grid lines on the plate.**
- **Be sure to scrape the plate evenly.**
- **Clean oxidized materials from the razor blade as needed.**
- **Repeat this process until the metallic finish of the plate returns.**
- **Use a paper towel or blow across the plates to remove oxidized material that could be left behind.**
- **Replace the outside cover to the unit.**
- **Place screws back into the unit.**
- **Connect the power cord to test that the unit is still working properly.**
- **There should be a purple glow coming off the ozone plate.**
- **Cleaning the plate will limit spotting and should emit a steady purple glow.**

Troubleshooting

Problem	Possible Cause	What To Do
No Power	Main Fuse	Check the main fuse next to the power in port. If that is intact check the fuse located on the main control board. This is located behind the front panel.
	Defective Control	If your unit has some power you will see an indicator light flash when the power button is pressed. The other option is that the fuses are both ok and power is present but not distributing it through the system.
Only Back Power Is On	Bad Transformer	Back power is on, but there is no power on the control board. Check the 12 VAC transformer located behind the bottom right-hand corner on the front cover.
No Ozone	Old or Damaged Plates	Look in the side of the unit with the vents. There should be a purple glow all over the ozone plate. If there isn't any glow or it is very "spotty" then you will need to replace them. Order C-3500 Ceramic Ozone Plates Set to repair this issue.
	Unit in Repeat Mode	When you select a repeat timer, the unit will run its full timer function and then the fan will continue to run until the power is turned off. However, the ozone plates will turn off until the next ozonation cycle after the repeat timer.
	No Plates Selected	Hit O ₃ Plate Selection Button until the desired amount of plates are selected.

Warranty

A2Z Ozone Systems Inc. - ONE YEAR LIMITED WARRANTY

The limited warranty set forth below applies to products manufactured by A2Z Ozone Systems Inc. - and sold by A2Z Ozone Systems or its authorized dealers. This limited warranty is given only to the first retail purchaser of such products and is not transferable to any subsequent owners or purchasers of such products. A2Z Ozone warrants that it or its authorized dealers will repair or replace, at its option, any part of such products proven to be defective in materials or workmanship within ONE (1) year from the date of retail purchase of such products. (All parts) ANY REPAIR OR REPLACEMENT WILL BE WARRANTED ONLY FOR THE BALANCE OF THE ORIGINAL WARRANTY PERIOD. NOTE: USE ONLY A2Z Ozone AUTHORIZED REPLACEMENT PARTS. USE OF ANY OTHER PART(S) WILL AUTOMATICALLY VOID THIS WARRANTY. THIS LIMITED WARRANTY DOES NOT INCLUDE ANY OF THE FOLLOWING:

- (a) Any labor charges for troubleshooting, removal, or installation of such parts;
- (b) any repair or replacement of such parts necessitated by faulty installation, improper maintenance, improper operation, misuse, abuse, negligence, accident, fire, repair material, and/or unauthorized accessories;
- (c) Any such products installed without regard to required local codes and accepted trade practices;
- (d) ANY IMPLIED WARRANTY OF MERCHANTABILITY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE, AND SUCH WARRANTIES ARE HEREBY DISCLAIMED: AND
- (e) A2Z Ozone SHALL NOT BE LIABLE UNDER ANY CIRCUMSTANCES FOR LOSS OF USE OF SUCH PRODUCTS, LOST PROFITS, DIRECT DAMAGES, INDIRECT DAMAGES, CONSEQUENTIAL DAMAGES AND/OR INCIDENTAL DAMAGES.

TO OBTAIN WARRANTY SERVICE

Contact A2Z Ozone, 1844 Cargo Court Louisville, KY 40299, USA

Customer Service Number: +1 502-499-4977.

When filing a claim, you must provide:

- 1) Your name, mailing address and telephone number
- 2) The selling dealer's name
- 3) Proof of date of purchase
- 4) The date of failure
- 5) A description of the failure.

After this information is provided, A2Z Ozone will release a RETURN GOODS AUTHORIZATION (RAN) NUMBER. After receiving the RAN number the part in question must be returned to A2Z Ozone, freight prepaid, with the RAN number clearly marked on the outside of the package. All preauthorized defective parts must be returned to A2Z Ozone within thirty (30) days. Under no circumstances may any product be returned to A2Z Ozone without prior authorization. You must call or write prior to returning product or your returned goods shipment will be refused. Upon receipt of preauthorized returned goods, A2Z Ozone will repair or replace, at its option, the defective product(s) and return them (shipping is prepaid for units under warranty for USA customers only). Buyer's acceptance of the product and use thereof constitutes acceptance of these terms.

A2Z Ozone WARRANTY REGISTRATION CARD

This information can be also send by EMAIL to us. Please provide ALL pertinent information and send within twenty (20) days to: service@a2zozone.com

Otherwise, please fill out completely and return to A2Z Ozone by post within twenty (20) days of purchase.

Customer Info:

Name _____

Address _____

City _____ State _____ Zip _____

Phone (____) _____

Dealer Info:

Dealer Name _____

Dealer Address _____

City _____ State _____ Zip _____

Phone () _____

Purchase/Product Info:

Purchased Date: _____ Date Installed _____

Product Purchased: **A7K OZONE GENERATOR**

Comments / Questions:

DO NOT FORGET TO CUT OUT, PLACE IN ENVELOPE AND MAIL TO THE FOLLOWING ADDRESS FOR INSTANT WARRANTY COVERAGE!

**A2Z Ozone Systems Inc.
ATTN: Warranty Dept.
1844 Cargo Court
Louisville, KY 40299, USA**