KENT
Ozone
Air Purifier
HOUSE of PURITY

GOLD MEMBER

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Instruction Hand Book for Installation, Operation and Maintenance.

Welcome to KENT

Dear Customer,

Welcome to the world of KENT, a leading brand in the water purification industry of India. With a KENT product you have all the reasons to smile as, we at KENT take pride in the quality and laboratory-tested performance of our products.

We are confident that your decision to own a KENT Table Top Air Purifier will go a long way in serving you with purified, fresh & detoxified air - thus keeping you and your family in good health. We assure, that you will be satisfied with its trouble free performance and quality.

This manual is an effort towards acquainting you with the operation and maintenance of KENT Table Top Air Purifier. Read this manual carefully before using the product and keep it for future reference. To enjoy the benefits of warranty, fill up the enclosed warranty card and send the installation report within 15 days of purchase. For further assistance contact your nearest KENT dealer or branch.

Best Wishes,

KENT RO SYSTEMS LTD.

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Table of Contents

1. Air Pollution: An Evil Taxing the Modern Lives 1
2. KENT Table Top Air Purifier: The Solution 1
3. Benefits of KENT Table Top Air Purifier 1
4. Salient Features of the KENT Table Top Air Purifier 1
5. KENT Ozone Technology 2
6. What is Ozone? 2
7. The Benefits of Ozone 2
8. Ozone – as recommended by W.H.O. 3
9. Items in the Box 3
10. Product Specifications 3
11. Usage 4
12. Operational Instructions 4
13. Maintenance 7
14. Caution 7
15. Troubleshooting 7

Air Pollution: An Evil Taxing the Modern Lives

The air pollution also known as atmospheric pollution has become a complex issue to deal with. It has been defined by W.H.O (World Health Organisation) as the presence of harmful materials in excessive concentration which adversely affect the living beings and natural environment. The large scale industrial, automobile and volcanic emissions (of fumes) are the major factors responsible for this pollution. Some other factors degrading the air quality are Viruses, bacteria and micro organisms. This is the reason why many people in the cities today are developing cardiovascular & lung diseases.

KENT Table Top Air Purifier: The Solution

The KENT Table Top Air Purifier is a solution made to enhance the quality of your life by making the surroundings ethereal. After being turned on, it quickly emancipates the room's atmosphere from harmful bacteria, pathogens, micro organisms, viruses, smoke, chemicals, etc. This is a custom made gadget which guards its user from harmful and highly contagious airborne diseases i.e. SARS, H1N1, etc. It occupies just 120mm X 103mm of space and uses a power socket for executing the air purification operations in a room. It discharges the powerful ozone gas for eradicating all forms of the air pollution in the room.

Benefits of KENT Table Top Air Purifier

- Deodorizes: This device rapidly neutralizes the stale or foul odour, making the room environment fresh.
- Healthy: It oxidizes and decomposes formaldehyde for enhancing the user's health.
- Disinfects: Accurately eliminates bacteria from the room's atmosphere.

Salient Features of the KENT Table Top Air Purifier

- Performs fully automated air purification operations.
- Discharges the powerful ozone to purify the air.
- Enables user to regulate the ozone discharge level.
- Removes harmful bacteria, pathogens, micro organisms, viruses, smoke, chemicals, etc. from the room's atmosphere.
- Highly compact design that makes it portable.

- Programmed with three cycle modes and timer modes.
- Cost effective and easy to use ozonator.
- Easy to clean mechanism.

KENT Ozone Technology

KENT Table Top Air purifier uses Ozone gas to purify the air in your immediate environment. Ozone gas is known to have exceptional power to remove germs, chemicals and other pathogens. It is a resourceful oxidising agent with inherent competence to exterminate bacteria, viruses and micro organisms from the air with precision.

What is Ozone?

Ozone is defined by the chemical formula of O3 - a triatomic molecule holding three oxygen atoms. It was German-Swiss Chemist, Christian Friedrich Schönbein who proposed Ozone as a new chemical substance after the Greek word ozein in 1840 – and the formula O3 was determined for it in the year 1865. In nature, Ozone is formed because of the exogenic pressure of ultraviolet rays and atmospheric electrical discharges on dioxygen. This powerful oxidant is abundantly present in the Earth's atmosphere. The stratosphere (at 10 to 50km altitude) of the Earth's atmosphere holds the Ozone layer in low concentration. Here, it absorbs 97 to 99% of the Sun's ultraviolet rays from entering the earth's surface. On the Earth's surface it can be found near seashores and forests in abundance.

Sadly, air pollution is quickly depleting the ozone level in atmosphere. This is the reason, why it is difficult to find Ozone in metropolitan cities. The depletion of Ozone layer has made it imperative for us to find alternative sources of ozone gas.

Benefits of Ozone

Ozone possesses strong oxidative properties which are 1.5 times more effective than chlorine in eliminating the harmful colon bacillus, staphylococcus, flu viruses, bacteria, etc. The countries with technical competence are already using it for medical & commercial purposes. Europe was the first continent to benefit from the advantages of Ozone generator used on medical water disposure.

The concept of using oxygen and Ozone for therapies has been prevalent since the late nineteenth century. In 1856, many European hospitals started using Ozone for disinfecting operating rooms. After few years, Ozone became a part of the water purification process in Germany.

Dr. J. A. Fontaine was the first person to use pure oxygen in 1879 for treating his patients. The German Doctor, Albert Wolff made some more spectacular revelations in 1915 and used Ozone for treating skin diseases. During World War I, Ozone played a vital damage control role in the German camp by healing wounds and anaerobic infections of the soldiers. By 1950, Ozone established a strong reputation for curing cancer and many other diseases like tumour & cancer. Since 1990, many doctors have been using the Ozone therapy in different ways for curing patients.

Ozone – as Recommended by W.H.O.

A very popular research report of W.H.O (World Health Organisation) has revealed that it is safe to use Ozone concentration level up to 0.6 ppm. In such a controlled environment, Ozone harmlessly removes smell (of cigarette, decaying rodents, paint, urine, etc.), unpleasant odours from the room and increases human metabolism.

Items in the box

KENT Ozone Air Purifier-Table top	:	1 No.
Adapter	:	1 No.
User Manual	:	1 No.

Product Specifications

Product	KENT OZONE AIR PURIFIER
Mounting	Table Top
Product Code	11023
Quantity	One Unit with Accessories
Rated Current Dissipation	< 300mA
Rated Power Dissipation	3.6W
Ozone Output	15 – 30mg/h
Air Flow	1.5 – 2.6km/h
Weight	252 grams
Voltage	DC 12V/1000 mA
Condition Temperature	0°C to 40° C
Accessory	Adapter OUT/DC – 12V

AC - DC Adapter Specifications

Input	:	140 – 300 VAC
Frequency	:	47 – 53Hz
Output	:	12VDC, 300mA, 3.6 Watts

Caution

- Use only genuine & KENT certified adapter for the device.
- If the adapter is damaged then purchase it from KENT or its authorised dealer.

Usage

- For removing stale & foul smells from a room use the device for at least 30 minutes.
- Place the device at a high place as Ozone is heavier than air.
- Please set the operating function before leaving the house everyday.
- Do not use the device in an airtight room for a long period.

Operational Instructions

[1.] Once the Power Socket is inserted into the Power Source, the Red, Green & Yellow LED lights blink simultaneously for three times which indicates that the devise is ready to use.

[2.] Cycle Mode Settings:

I.) High Cycle Mode
Press the Power Switch, then the Red LED Light flashes to indicate that the device has been set in the High Cycle Mode. In this mode, the fan & the Ozone generator start their operations simultaneously. For the first 3 minutes, the Ozone generator produces Ozone and the fan dissipates it. In the 4th minute, the Ozone generator stops functioning but the fan continues dissipation. For the next 6 minutes both the Ozone and fan stop their operations and go into a dormant stage. This process maintains the PPM level in a room. The cycle repeats itself till the Power On/ Off button is pressed again.

II.) Medium Cycle Mode
For changing the High Cycle Mode into the

Medium Cycle Mode press the Cycle Mode Button (on timer). After this the Green LED Light indicates that the High Cycle Mode has been changed to Medium Cycle Mode. In this mode, the fan & the Ozone generator start their operations simultaneously. For the first 2 minutes, the Ozone generator produces ozone and the fan dissipates it. In the 3rd minute, the Ozone generator stops functioning but the fan continues dissipation. For the next 7 minutes both the Ozone and fan stop their operations and go into a dormant stage. This process maintains the PPM level in a room. The cycle repeats itself till the Power On/ Off button is pressed again.

III.) Low Cycle Mode

For changing the Medium Cycle Mode into the Low Cycle Mode press the Cycle mode button twice. Then the Yellow LED light flashes to indicate that the Low Cycle Mode has been activated. In this mode, the fan & the Ozone Generator start their operations simultaneously. For 1 minute, the Ozone generator produces Ozone and the fan dissipates it. In the 2nd minute, the Ozone generator stops functioning but the fan continues dissipation. For the next 8 minutes both the Ozone and fan stop their operations and go into a dormant stage. This process maintains the PPM level in a room. The cycle repeats itself till the Power On/ Off button is pressed again.

IV.) The Cycle Mode settings can be changed anytime after pressing the ON Timer button.

[3.] Timer Mode Settings

I.) Timer Mode: High Cycle

Turn on the device by pressing the Power Switch. Now press the Timer Mode Button (Off Timer) once. The HI Mode Red LED Light and OZ LED Light would blink continuously to indicate that the device has been timed in the High Mode. The device in this mode can continue operations for 6 hours.

II.) Timer Mode: Medium Cycle

Press the Timer Mode Button (off timer) twice. Then the Medium Mode Green LED and the OZ LED lights would blink continuously to indicate that the device has been timed in the Medium Cycle Mode. This Timer Mode runs the device automatically for 3 hours.

III.) Timer Mode: Low Cycle

Press the Timer Mode button (Off Timer) thrice. After this, the Low Mode Yellow LED and OZ LED Lights would blink for indicating that the device has timed in the LOW Cycle Mode. This Timer Mode runs the device automatically for 1 hour.

IV.) The Timer Mode settings can be changed anytime by pressing the OFF Timer button.

*NOTES:

- The device registers the recently used settings before turning off.
- When a user turns the device on, it uses the most recently used settings- which can be changed by the user as per the requirement.

KENT AIR PURIFIER (TABLE TOP)

S.No.	ITEM CODE	DESCRIPTION	UNIT	QTY.
1	6781	TOP COVER	NOS.	1
2	6782	UPPER HALF	NOS.	1
3	6783	LOWER HALF	NOS.	1
4	6784	FAN HOUSING	NOS.	1
5	6818	PCB ASSEMBLY	NOS.	1
6	6901	ADAPTOR 12VDC	NOS.	1
7	6903	SCREW FAN HOUSING	NOS.	4
8	6904	SCREW PCB MOUNTING	NOS.	2
9	6880	SCREW MAIN BODY	NOS.	3
10	5132	DC FAN 40x40	NOS.	1
11	2076	FILTER MESH ASSEMBLY	NOS.	1

Maintenance

- The inner filter of the device must be cleaned with a soft brush or vacuum cleaner after every 2 weeks or 184 hours of operation.
- Do not wash the device with water or any other chemical solution.

Caution

- The device is not water resistant, please do not immerse it in water.
- Clean the device with a soft & dry cloth at regular intervals. Do not use any chemical solution for cleaning the device.
- Replace the adapter when it is out of order. Buy the adapter from KENT or its authorised dealer only.
- Do not try to repair the device on your own, call our Service Engineer.
- Do not encourage any child or a person with weak heart to maintain or clean the device.
- Do not forget to unplug the device while maintaining or cleaning it.
- The device should only be repaired by KENT Certified Service Engineers only.
- Keep the device out of the reach of children.
- Consult your physician before trying any of the Ozone therapy methods.

Troubleshooting

NO.	Breakdown	Reason & Troubleshooting
1.	The LED Lights are not flashing and the device is not functioning	Ensure that the adapter has been properly connected to the power socket, and the on/off switch has been pressed properly.
2.	Amplitude vibration and loud noise	Ensure that the device has been placed on an even surface.
3.	The Adapter has malfunctioned	Replace the adapter when it is out of order. Buy the adapter from KENT or its authorised distributor/ dealer only.

Warranty Card

Product: **KENT OZONE TABLE TOP AIR PURIFIER**

Product Code: 11023

Serial No.:.....

Date of Purchase: ..... Dealer Stamp: .....

Customer Details:

Customer's Name_____

Customer's Address _____

_____

Customers's Ph. No. _____

Warranty Details:

Invoice Date_____ Invoice No. _____

Date of Installation _____ Stamp of Service Provider

Marketed by:
KENT RO SYSTEMS LTD.
E-6, 7 & 8, Sector-59, Noida,
U.P.-201 309, India.
E-mail: service@kent.co.in
Website: www.kent.co.in
Customer Care: 92-789-12345

Terms & Conditions of Warranty

KENT warrants all new products manufactured by it to be free from defects in material and workmanship under normal usage and service from the date of purchase as under:

1. The warranty period commences from the date of purchase by the first end-user. During this warranty period of one year, KENT or its Authorised Service Provider (ASP) will replace or repair any part of the KENT Table Top Air Purifier that in their opinion is defective in operation due to faulty material or workmanship (i.e. manufacturing defects) with the exception of consumables.
2. The product's plastic body is not covered under warranty, hence must be handled with care to prevent any breakage.
3. The original purchaser of the unit can avail services under warranty at the point of sale by producing the damaged parts along with the original invoice.
4. Product returned to KENT or its ASP for warranty check, must be shipped and freight prepaid.
5. KENT or its ASP shall not be held liable for claims exceeding the cost of repair of the defects in workmanship.
6. This warranty agreement shall not be interpreted to render KENT or its ASP responsible for injuries or damages of any kind-direct, consequential or contingent to person or property.
7. KENT or its ASP shall not be held responsible by representative or buyer for failures caused due to Forces Majeures such as floods, earthquakes or due to other reasons such as transportation strikes, labour disputes with outside suppliers or due to reasons beyond the control of KENT or its ASP. They shall not be forced to abide by any obligations of the warranty agreement.
8. KENT or its ASP shall not be held liable for repair or alterations made without prior written approval, clogging by suspended matter, precipitates or biological growth or due to lack of proper maintenance.
9. KENT or its ASP cannot and shall not be held liable for any sickness or illness after inhaling ozone gas from KENT Table Top Air Purifier or its ASP does not have any control over the maintenance and usage of the Air Purifier.
10. This warranty agreement excludes all products/ component parts or damage to any part of this Air Purifier which, in the opinion of KENT or its ASP, have been subjected to misuse, misapplication, negligence, alteration, accident or operation contrary to our instructions, incompatibility with accessories not installed by KENT or its ASP or that have been repaired with component parts other than those manufactured by or obtained from KENT or its ASP. Damages caused by freezing, flood, fire or Act of God are not covered by this warranty. In all such cases regular charges will apply. This limited warranty does not include service to diagnose a claimed malfunction in the Air Purifier.
11. KENT reserves the right to alter or improve design and specifications at any time without any contingent obligations to prospective buyers or owners of the products previously sold.
12. Any disagreements and obligations based upon the purchase of KENT products and thereby imposed on KENT and its ASP shall be governed by and construed according to the laws of INDIA and subject to the jurisdiction of Delhi Courts only.
13. KENT or its ASP holds no warranty liability on this Air Purifier other than that specified herein. This warranty is in lieu of all other warranties, expressed or implied, including warranties of fitness for a particular purpose. KENT or its ASP does not authorize any person or representative to assume for them any other obligations on the sale of this Air Purifier.
14. The warranty would cease to operate if the device has been overhauled by the user.
15. The warranty ceases to operate if the device has been placed at any stove or a place of high temperature.
16. The warranty would be valid in the purchasing country only and it would not be re-issued.
17. Under no circumstances are the terms mentioned above negotiable and no employee of KENT or its ASP has the authority to suspend them.

Affix Stamp here

To,

KENT RO SYSTEMS LTD.
E-6, 7 & 8, Sector-59, Noida, U.P. -201 309, India.
Phone: 92-879-12345
E-mail: service@kent.co.in Website: www.kent.co.in

Installation Report

Product : **KENT OZONE TABLE TOP AIR PURIFIER**

Serial No.

Customer's Name_____

Customer's Address_____

_____

_____

Customer's Ph.: _____

Customer's Signature _____

Invoice No. _____

Invoice Date _____

Installation Date _____

Service Provider _____

_____

_____

Service Provider's Ph. _____

Service Provider's Stamp _____

By signing on this installation report, the customer hereby agrees to the terms & conditions of warranty mentioned on the back side of the warrranty card