

PureAiro

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# PUREAIRO

## GUARDIAN 350

Installation & Operations Manual



# PRODUCT INTRODUCE

It is a broad-spectrum disinfection that will not cause secondary pollution. Besides, it eliminates musty smell and odor. It features a powerful ozone occurrence with 10,000mg/h output. It is a strong ozone generator that is suitable for home use and could be deployed in large areas, including restaurant garages, offices, and hotels.

# TABLE OF CONTENTS

Warnings and safety instructions	02
Key Features	02
Unit Diagram	04
Operation	05
Wiring Diagram	07
Warranty	07

## WARNINGS AND SAFETY INSTRUCTIONS

- 1 This product should not be used in areas or places where high precision electronic equipment are kept. Also, radio waves may interfere with the way it operates and render it ineffective. Thus, special attention must be paid if it is used near any of the following equipment: pacemakers, hearing aids, fire detectors, automatic control equipment, electronic equipment, and high precision devices.
- 2 These products should not be disassembled or modified by non-technical persons. Doing so can damage the unit, cause circuit failure or leakage.
- 3 Too much water or moisture and any other liquid that gets into the product may cause malfunctioning and leakage.
- 4 The use of volatile solvents should be avoided. Also, using an organic solvent to wipe the device surface may damage it.
- 5 The unit should be earthed. Connecting it to a dedicated ground wire may be necessary. Also, ensure the capacity of the line used meets the minimum requirements. It eliminates dangers and enhances safety.
- 6 Working in spaces with a high concentration of ozone is prohibited.
- 7 The equipment must be maintained and repaired routinely. During the process, it is necessary to ensure that the power is switched off to safeguard the personnel's lives.
- 8 Ozone industrial hygiene must be maintained. It entails people smelling 0.02PPM, China 0.15PPM, Japan 0.1PPM. France, Germany is 8H, 0.1PPM and general Ozone association of 0.1PPM.

## KEY FEATURES

It is a broad-spectrum disinfection that will not cause secondary pollution. Besides, it eliminates musty smell and odor.

It features a powerful ozone occurrence with 10,000mg/h output. It is a strong ozone generator that is suitable for home use and could be deployed in large areas, including restaurant garages, offices, and hotels.

Limited duration

The limited timer duration is ≤ 2H, so customers need to be reminded that large quantities are actually harmful, especially when the machine has been working for two hours and when the ozone has decomposed for an hour. The good thing about the machine is that it can be switched to 12H or 24H cycle mode. It means that you can set the machine to start working automatically every half a day or every day.

The soft magnetic sticker should be protected to stop the mosquitoes from getting into the unit.

It is an efficient water remover that is capable of removing 55 L of water per day.

It is small in size 19.2x12.2x13.3 and fits in crawl spaces, mechanical closet, basement, and many other spaces.

The unit is conveniently sized and could fit between the floor joists or hang in installation. Rotatable exhaust outlet- it provides a vertical and horizontal discharge  
G3 filter allows for an advanced superior filtration  
Low heat Load – it is a low-temperature operation engineered to allow for maximum airflow.  
Ducting option- it allows for dehumidifying divided spaces  
Auto Restart – it allows for the dehumidifier to restart automatically after an outage.

### Specifications:

- 1 Ozone output: 10,000mg/h
- 2 Input voltage  
European standard: 220V, 50~60Hz
- 3 Ambient temperature requirement: -10°C~35°C
- 4 Environmental humidity requirement: <55%.
- 5 Timer: 2h
- 6 Service life: 20,000h
- 7 Applicable area: 2000+ square feet



## UNIT DIAGRAM



## OPERATION

- 1** Ensure you place the device on a stand or ground while keeping and maintaining the bottom level.
- 2** Ensure the windows and doors are closed to improve disinfection and don't stay indoors.
- 3** Connect the unit to the mains using the power cord.

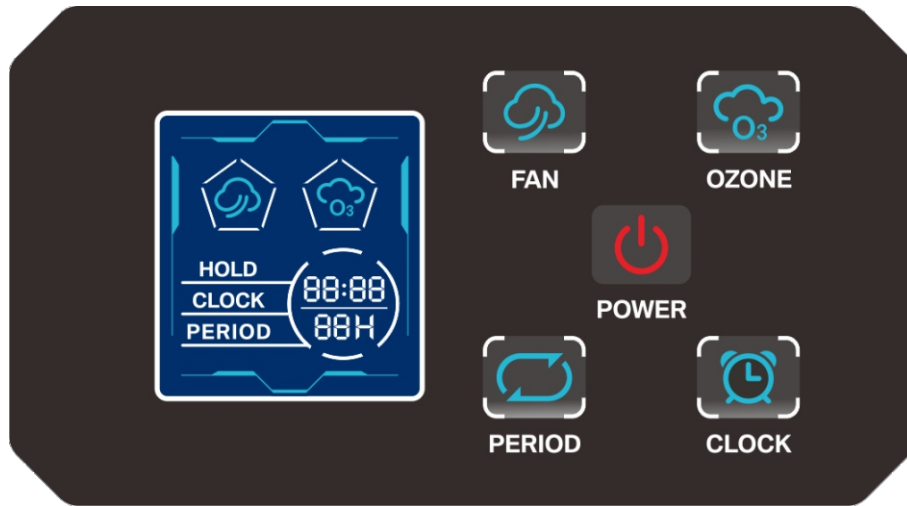
This is how the side view of the outlet will look like



The side view of the air outlet is as follows







### The switch

The power will be turned off, and only four frames will be lit, as shown in the diagram below. Note that the LCD backlight will be turned off after 30 seconds if it is not operating.

Once the power key is turned on, the unit will remain in default state "HOLD," meaning that it will run continuously according to the selected setting.

Set the clock in a file of 30 minutes with the cycle being set between 00.00 and 02.00. The running time should be set at a corresponding working time. If the time is valid, the HOLD will be off.

### Note

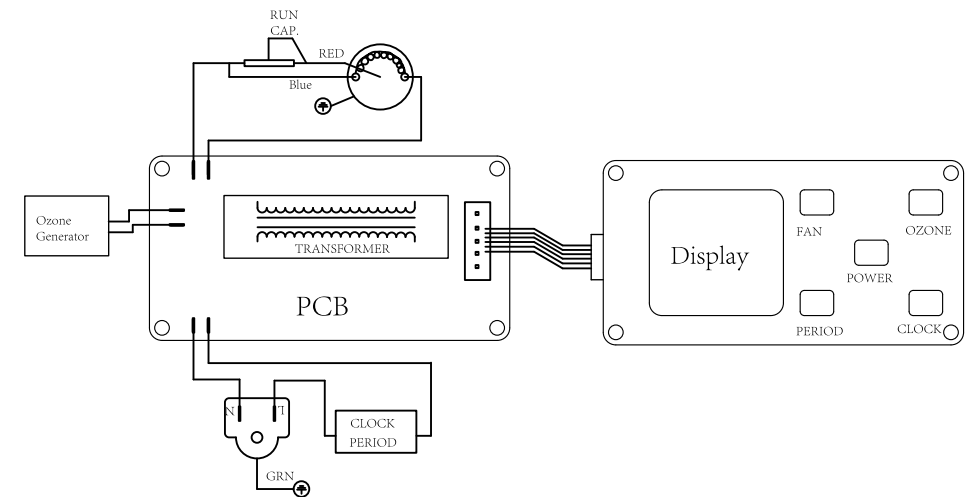
If you do not set the period, the unit will not light, and may experience a single shutdown. But when the PERIOD is set, it will switch between 0, 12, to 24 hours. Twelve hours implies that the cycle will run according to the time set, probably after 12 hours shutdown. It is equivalent to a cycle function.

Gear 1 is the default starting gear while the ozone and the fan are set at five gears.

The fan does not have a speed regulator, so the delay after the zero-crossing will determine the gear's size.

Ozone is PWM modulated and could range from 16k (smallest) to 18K, which is the largest. Once the operation of the machine is finished, it will take some time for the remaining ozone to decompose. The room must be suitable for people to stay in before they can be allowed to occupy it. Note that the standard dictates that people should not smell the ozone.

## WIRING DIAGRAM



## WARRANTY

- 1 We will not assume responsibility for any loss caused by natural disaster like floods and earthquakes. Also, losses due to behavioral accidents, user's intentional or accidental abuse, and the company will not be responsible.
- 2 The company will not assume responsibility for any loss caused by improper operation or use of the product. Losses such as production interruption loss of profit and others will not be catered for.
- 3 Losses occasioned by improper operation and failure of the machine, or if disinfection or sterilization fails to meet the standard, will be borne for by the buyer. In such a case, the company will not assume responsibility.
- 4 The company will not assume responsibility for losses occasioned by non-adherence to instructions.

### Limited Warranty

- 1 Warranty benefits will only apply to the original buyer. The warranty cannot be transferred or assigned.
- 2 For one year, PureAiro warranties that the warranty will operate free of defects in material and workmanship. The warranty cannot be assigned or transferred to third parties.

- 3 For a period of one year, PureAiro warrants that the dehumidifier will operate free of material or workmanship defects. The company may elect to replace or repair a malfunctioning component free of charge, but the owner must pay the cost of transporting it.

For **three years** starting from the date the unit was purchased, PureAiro warrants that the evaporator, compressor, and condenser will operate free of workmanship and material defect. But the company will replace any defective parts and pay for refrigerant and factory labor. But the owner will pay for the transportation cost.

For a period of **five years** commencing on the date of purchase, PureAiro warrants that the evaporator, condenser, and compressor will operate without any defect in the workmanship or material. The company will thus replace, repair any defective parts, but it will not cater for labor, refrigerant, and transportation.

#### Customer's responsibilities

- 1 For the warranty to remain valid, the customer must perform the following functions  
Provide normal care, including maintenance. This is not limited to cleaning the pumps, coils, and filters.
- 2 Remove and reinstall the unit appropriately.
- 3 Return the unit to a certified repair center. If the customer fails to return the unit to our warehouse, they will bear the cost of freight and shipment. Besides, the customer will foot for all the duties related to shipment or freight. This will include but not limited to, palletizing, labeling, wrapping, and cost of pickups.
- 4 If the unit is shipped, the customer will be responsible for the risks associated with the equipment's damage or loss.

#### The steps we follow

As soon as the purchased goods are delivered, the customer must log in to our website **www.PureAiro.com** and fill the warranty form. A duly filled registration form will need to be submitted to PureAiro Company. We expect to receive the installation and purchasing details and save them in our system.

- 1 If the buyer does not register, the warranty period is considered to start running on the day the unit left our warehouse. So ensure to capture and record the serial number and the date the unit was installed. This information will help you receive the RA number.
- 2 If the customer feels that they need the warranted service, they will need to contact PureAiro Tech support or a local technical service phone so that they can receive the return authorization number (RA) The number allows the customer to forward the unit to a certified repair center. PureAiro will organize and arrange how the unit can be shipped back to our PureAiro warehouse. But this will be done at the customer's expense.

- 3 Once the unit is received at our warehouse or repair center, PureAiro will have it inspected. If it is found to be an invalid claim, the exclusion rule will apply. Also, the customer will pay the associated costs of repair, shipping, and transportation cost.
- 4 Customers may pick the unit after it has been repaired and be required to pay for shipping expenses. Meanwhile, the unit will be rigorously tested before it is shipped back to the customer. However, if it cannot be fixed, yet it is in the warranty period that has been determined to be valid, PureAiro will ship a new unit to the customer within the same warranty years.  
Once the parts have been replaced, and the unit has been repaired, the original warranty period will continue to apply until it expires. The original warranty period cannot be extended even when new equipment is shipped.