



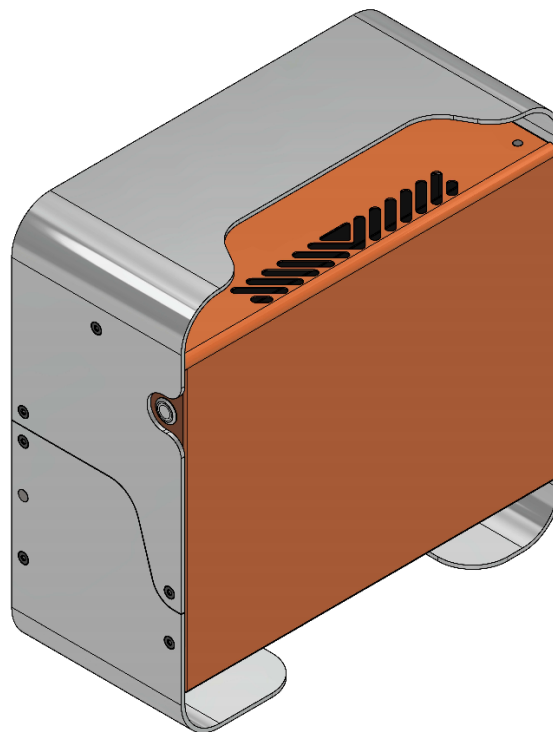
Indoor Air Purifier

Kestrel

Standalone / Portable

Commercial / Residential

CenterPoint Photocatalytic Oxidation Technology



Product Description

The Kestrel is a stand-alone unit used to reduce the levels of Volatile Organic Compounds (VOC's) and viable airborne biological contaminants. The unit may be utilized as a portable "point-of-use" air purifier or may be permanently placed on in a room. The Kestrel uses (1) 8" x 5" x 3" Populated Catalyst Panel. The Kestrel is suitable for spaces up to 105 square feet*. For recommend configurations, consult the manufacturer's engineering department.

**Refer to page 8 for performance in different room sizes.*

Suitable Locations

- Medical Facilities, Education Facilities, Restaurants, Hotels, Smoking Environments, Office Spaces, Residential, Green Houses, and Hydroponics Facilities.

Shipping and Packing List

Standard Equipment:

(1) Kestel Housing

(1) 8" x 5" x 3" Pleated Catalyst Panel

(1) 12.5" x 5.25" x 1" MERV 13 Pre-filter

Features:

- Variable Speed Fan
- Powder Coated Exterior

Copyright

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Revision Summary



Original IOM manual created in August 2023.

Current manual last revised on November 22nd, 2024.

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Warning Labels

	⚠WARNING	⚠WARNING
Electric / Shock Hazard Electrical Shock can cause serious injury or death. Disconnect all remote electrical power supplies before servicing.	To reduce the potential of electric shock or fire, the wiring required by this manual should be performed by a licensed electrician in accordance with applicable National Electric Code, NFPA 70, and local codes.	
	⚠WARNING	
UVC Light hazard. UVC light can cause temporary or permanent loss of vision and sunburn. Take proper precautions to protect eyes and skin from direct exposure.		
⚠WARNING	⚠WARNING	
Mercury Hazard Do not break lamps. Each UVC lamp contains a small amount of Mercury. In case of breakage use proper lamp disposal techniques on page 13.	Improper installation, adjustment, alteration, service, or maintenance can cause property damage, personal injury, or death. Installation and service must be performed by a qualified installer or service agency.	
⚠WARNING		
TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING: a.) Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer. b.) Before servicing or cleaning unit, switch power off at service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag to the service panel.		

⚠️ WARNING

Use of accessories, transducers, and cables other than those specified or provided by the manufacture of this equipment could result in increased electromagnetic emissions or decrease electromagnetic immunity of this equipment and result in improper operation.

⚠️ WARNING

Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the unit, including cables specified by the manufacture. Otherwise, degradation of the performance of this equipment could result.

⚠️ WARNING

Keep Away from Water Danger

As with most electrical appliances, electrical parts in this device are electrically live even when dial is switched off. To reduce risk of death by electric shock:

1. Always “unplug it” after use
2. Do not place or store where device can fall or be pulled into water.
3. do not use near or place in water.
4. If device falls into water, unplug immediately. Do not reach into water.

⚠️ WARNING

Children should be supervised to ensure that they do not play with the appliance.

⚠️ WARNING

Do Not Stack

Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.

NOTICE

Do Not Block Air Grille

Blocking inlet or exhaust grilles may result in improper operation of air cleaning equipment. Overheating may result and cause permanent damage to equipment.



Product Overview

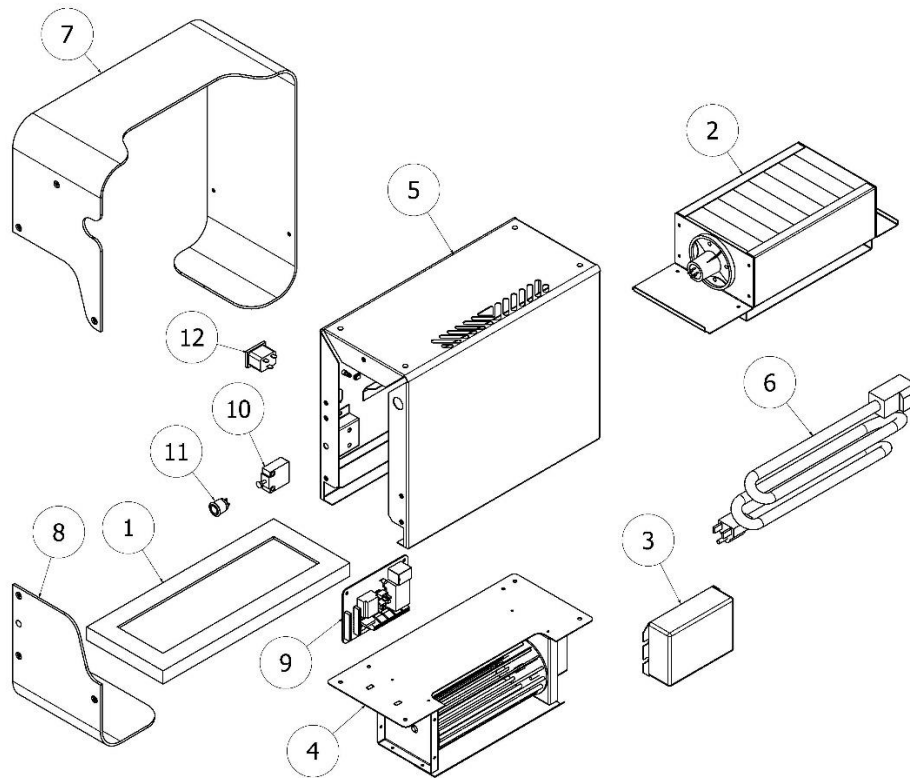


Figure 1: Components of Kestrel

Report missing or damaged parts to the manufacturer. Refer to the warranty section for more information.

- 1.) **Pre-Filter** – 12.5" x 5.25" x 1" MERV 13. Removes particles from air.
- 2.) **Photocatalyst** – 8" x 5" x 3" Pleated Catalyst Panel and 8" UVC Lamp.
- 3.) **Ballast** – Provides power to fluorescent UVC lamp.
- 4.) **Fan Motor** – Moves air through the unit.
- 5.) **Shell** – Holds all components.
- 6.) **Power Cord** – 120V type C13 power cord.
- 7.) **Outer Hoop** – Aluminum hoop
- 8.) **Access Cover** – Can be removed to gain access to UVC lamp and pre-filter.
- 9.) **Circuit Board** – Used to turn the unit On and Off. Used to adjust the fan speed.
- 10.) **Door Switch** – Disconnects power when filter door is removed.
- 11.) **On/Off Button** – Press to turn unit on and off.
- 12.) **Power Entry Module** – Power cord receptacle.

Specifications

U.S. Patent Number: 10946116

Model Name: Kestrel

Volumetric Flow Rate (CFM): 25 (Low Speed) – 63 (High Speed)

Power Requirements: (North America, Japan) 120VAC, 60 Hertz, 0.48 Amps
(Europe, Middle East) 230VAC, 50 Hertz, 0.24 Amps

Weight (lbs.): 14.7

Size: 13" x 13" x 5.75"

Number of Lamps: 1

UVGI Life Cycle: 12,000 operational hours

PCP Life Cycle: 5 years*

Standard Pre-filter: 12.5" x 5" x 1" MERV 13

Installation Type: Portable

Temperature Rating: -20°F to 122°F

Sound Level (dB from 3 ft away): 37 dB (Low Speed) – 53 dB (High Speed)

** CenterPoint equipment must be properly maintained to allow catalyst panels to last the full 5-year warranty period. If MERV particle filters are not used or are not replaced at the appropriate intervals, the life of the catalyst panels will be reduced. If PCPs are cleaned incorrectly or too frequently, the life of the catalyst panels will be reduced. **High pressure spray cannot be used directly on catalyst panels.** Performing maintenance improperly will result in a voided product warranty. Catalyst can exceed warranty and last up to 15 years if well maintained.*

UVC Lamps

Safety

Ultraviolet germicidal irradiation (UVGI) is used for the activation of the PCO Catalyst. The residual light presents a variety of potential health hazards to humans. These hazards include eye damage, skin burns, and the potential to cause skin cancer. Because germicidal UV rays are invisible to the human eye, personnel may be subjected to a hazardous dose of UV without warning. There is no Occupational Safety and Health Administration standard for exposure to ultraviolet light. UV can be associated with adverse health effects depending on duration of exposure and wavelength. These adverse health effects include erythema (sunburn), photokeratitis (a feeling of sand in the eyes), skin cancer, melanoma, cataracts, and retinal burns. Ideally, activated UV sources should be always attended by knowledgeable personnel. The UVC lamps in CenterPoint products do not produce ozone! The lamps provided contain trace amounts of mercury. Lamps include a Teflon case to encapsulate the lamp and reduce the risk of exposing the consumer and environment to mercury.

Malfunctions

In the event of a lamp or ballast malfunction or failure, failed components should be salvaged and sent back to the manufacturer for investigation. The manufacturer may consider sending new components under warranty if malfunctioning components are sent back to the manufacturer.

Personal Protective Equipment

While in normal operation, the unit will not emit harmful levels of UV radiation to the surrounding area. When checking for proper lamp connection and lamp intensity, you may be exposed to harmful levels of UV radiation. If you must have the lamps on to check for proper operation, follow these instructions.

- All personnel exposed to UV radiation must wear UV protective glasses.
- All personnel exposed to UV radiation must protect exposed skin with UV resistant clothing.

UVC Lamp Test Procedure

Lamps may not be substituted with an unapproved manufacturer. These lamps provide UV-C light at a wavelength of 254 nm. Despite their appearance to the naked eye, the lamp intensity will reduce over time. A 20% reduction in UV output is considered below the minimum acceptable intensity level. A visual inspection alone cannot be used to determine if a lamp is providing the correct level of UV energy. Replace lamps every 16 months (12,000 hrs.) of continuous use to maintain intensity requirements. If the run time of the equipment is unknown, use one of the recommended lamp test procedures recommended by the manufacturer.

Installation

The Kestrel is designed to be utilized as a portable, desktop unit. Installation must be completed by competent personnel. The manufacturer assumes no liability for damages or injuries sustained from installations done by people other than qualified technicians who are employed by the manufacturer.

Make the following considerations when choosing an appropriate placement location.

- Choose a suitable location on the ground or on furniture within a room or corridor.
- Ensure that the intake and outlet grills of the unit are not blocked by adjacent furniture or walls.
- Ensure that the location of the unit does not interfere with the flow of foot traffic or block entrances or exits to rooms within the building.

Caution: *Placing the unit in a location on the floor that impedes foot traffic may be considered a fire hazard. Consults local building and fire codes to find a suitable floor location.*

- Placing air purifier too close to a window or door may cause unit to such in outdoor air rather than recirculate air in the room.
- Choose a location that has access to a power outlet. An extension cord with ground pin may be used if the supplied power cable is too short for your application.

Air Changes Per Hour

Ceiling Height (ft.)			Fan Speed / Air Flow Rate	
8	9	10	Low – 25 CFM	High – 63 CFM
Room Size (sq. ft.)			Air Changes Per Hour	
40	36	32	4.69	11.25
60	53	48	3.13	7.50
80	71	64	2.34	5.63
100	89	80	1.88	4.50
120	107	96	1.56	3.75
160	142	128	1.17	2.81

Table 1: Air changes per hour at varying flow rates

Note: *Highlighted Cells indicate unit range. See ASHRAE standard 62.1 for required ventilation for acceptable indoor air quality. CenterPoint devices do not deactivate or oxidize 100% of all contaminants in the air. Lower air speeds increase the effectiveness of the air purifier.*

Note: *CFM range shown for standard equipment. Air flow rates through customized units may vary.*

Note: *The manufacturer recommends 3 to 6 air changes per hour be performed.*

Maintenance

Pre-filter Replacement

The Kestrel includes a pre-filter to remove particles from the air stream. This prevents the buildup of debris on the catalyst panel. The pre-filter should be replaced when it has become built up with dirt and other contaminants. The manufacture recommends replacing filter with a 12.5" x 5.25" x 1" MERV 13 after 3 months of continuous use.

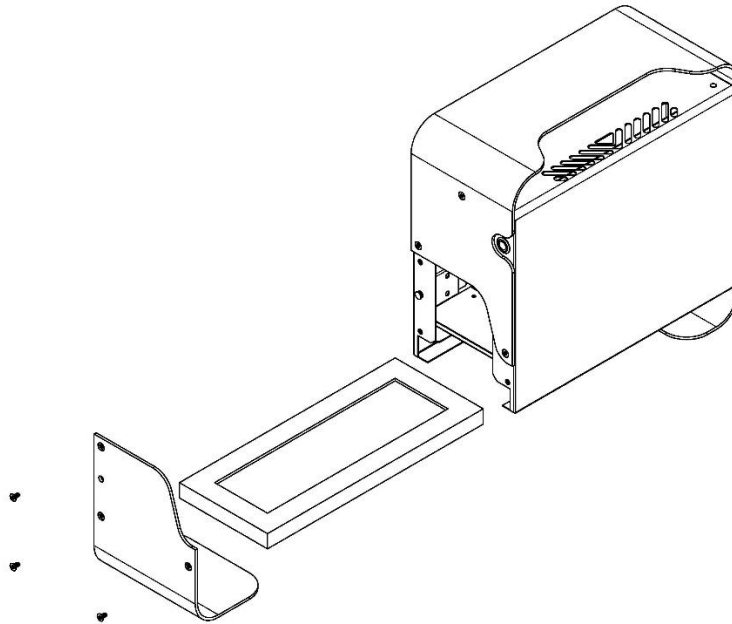


Figure 6

Pre-filter Replacement Procedure

- 1.) Disconnect the unit from the power supply.
- 2.) Using a torx (star) bit screwdriver, remove the (3) screws attaching filter door to the side of the unit. See Figure 6.

Note: *If the unit is powered on while the access panel is removed, a safety switch will break power.*

Caution: *Electrical plug must be disconnected before servicing. A break in power caused by the safety switch is not considered disconnecting power.*

- 3.) Remove the old air filter. Compare the new filter to the original filter to ensure that it is the same size.
- 4.) Insert a new filter. Ensure that arrows on filter are pointed down to match the direction of air flow.

Note: *Air will move in through the filter grille and exhaust out the top of the unit.*

- 6.) Reattach filter door to the side of the unit using (3) screws.
- 7.) Plug-in unit and power on to ensure that the unit works properly.

Lamp Replacement

The Kestrel includes (1) 8" UVC lamp. This UV lamp is used to energize the catalyst. This lamp must be replaced after 12,000 hours of continuous use. The manufacturer recommends replacing lamps every 16 months or once per year.

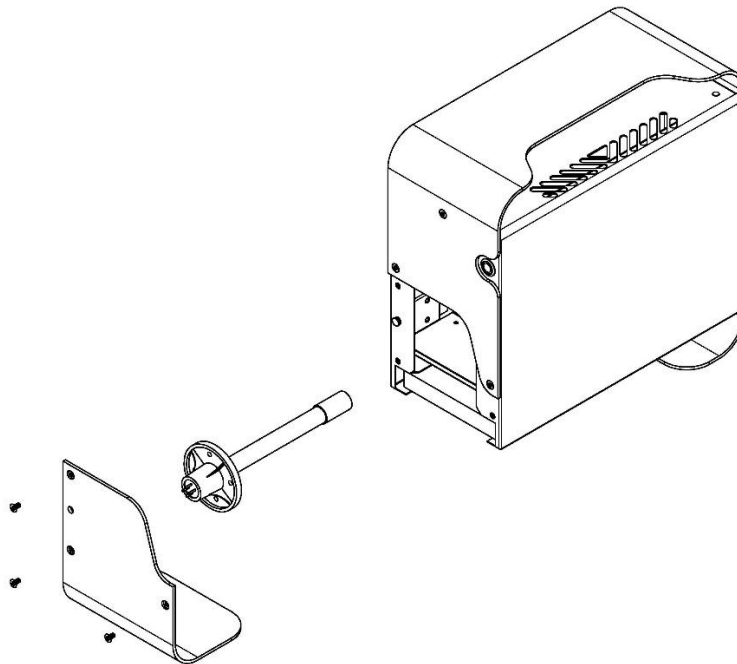


Figure 7

Lamp Replacement Procedure

- 1.) Disconnect the unit from the power supply.
- 2.) Using a torx (star) bit screwdriver, remove the (3) screws attaching filter door to the side of the unit. See Figure 7.

Note: *If the unit is powered on while the access panel is removed, a safety switch will break power.*

Caution: Electrical plug must be disconnected before servicing. A break in power caused by the safety switch is not considered disconnecting power.

- 3.) Disconnect lamp plug from lamp. See Figures 8 and 9 below.

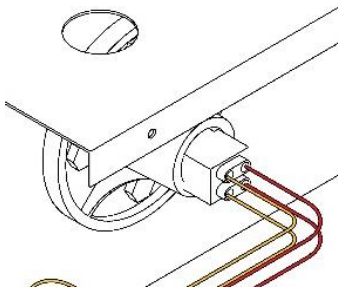


Figure 8

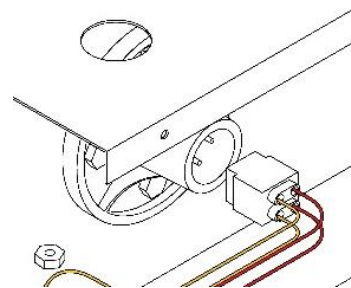


Figure 9

- 4.) The lamp is attached to the catalyst panel with (4) 10-16 Self-Drilling screws. Remove the screws using a 5/16" socket wrench.
- 5.) Remove the lamp by alternating a quarter turn clockwise and a quarter turn counterclockwise as it is pulled out. This will prevent the lamp from becoming bound up in the catalyst media. See Figure 7.
Caution: *Lamps may be hot if recently in operation. Allow lamps to cool before removing or wear heat insulating gloves to protect hands.*
- 6.) Inspect the new lamp to ensure that it matches the length of the original lamp (8").
- 7.) Replace lamps by alternating a quarter turn clockwise and a quarter turn counterclockwise as it is pushed in. This will prevent the lamp from becoming bound up in the catalyst media. See Figure 7.
- 8.) Reinsert (4) screws per lamp using a 5/16" socket wrench.
- 9.) Reconnect lamp plugs. See Figures 8 and 9.
- 10.) Reattach filter door to the side of the unit using (3) screws. See Figure 7.
- 11.) Plug-in unit and power on to ensure that the unit works properly.

Lamp Disposal

Products containing Mercury are considered hazardous waste. Since January 1, 2000, the United States Environmental Protection Agency (EPA) has allowed for spent lamps to be managed as Universal Wastes. The Universal Waste Rules (UWR) are designed in part to simplify the management of mercury containing wastes, including spent fluorescent lamps. The Rules are also intended to encourage recycling, thereby reducing mercury emissions to the environment.

As an alternative to managing lamps as universal waste, a facility may elect to manage its spent lamps as hazardous wastes. Hazardous waste rules, like the universal waste rules, are promulgated under the federal Resource Conservation Recovery Act (RCRA) and state laws equivalent to RCRA. RCRA regulates hazardous waste from the cradle to the grave. RCRA Subtitle C requires a waste generator to properly identify, treat, store, transport, and delegate to the States the responsibility for the day-to-day management of the program.

List of Lamp Recycling Facilities in the US

- AERC Recycling Solutions – Hayward, CA ; West Melbourne, FL ; Allentown, PA
- Universal Recycling Technologies – Dover, NH ; Clackamas, OR ; Fort Worth, TX ; Janesville, WI
- Veolia ES – Phoenix, AZ ; Tallahassee, FL ; Stoughton, MA ; Port Washington, WI

Go online to find your nearest lamp recycling facility.

Ballast Tray Troubleshooting Procedure

Troubleshooting All Fluorescent Fixtures

Safety First: Voltage and current measurements present the possibility of exposure to hazardous voltages and should be performed only by qualified personnel. Many troubleshooting techniques require measurements with input voltages applied requiring extra precautions to avoid electrical shock. Use proper safety equipment such as eye protection and gloves when performing electrical measurements.

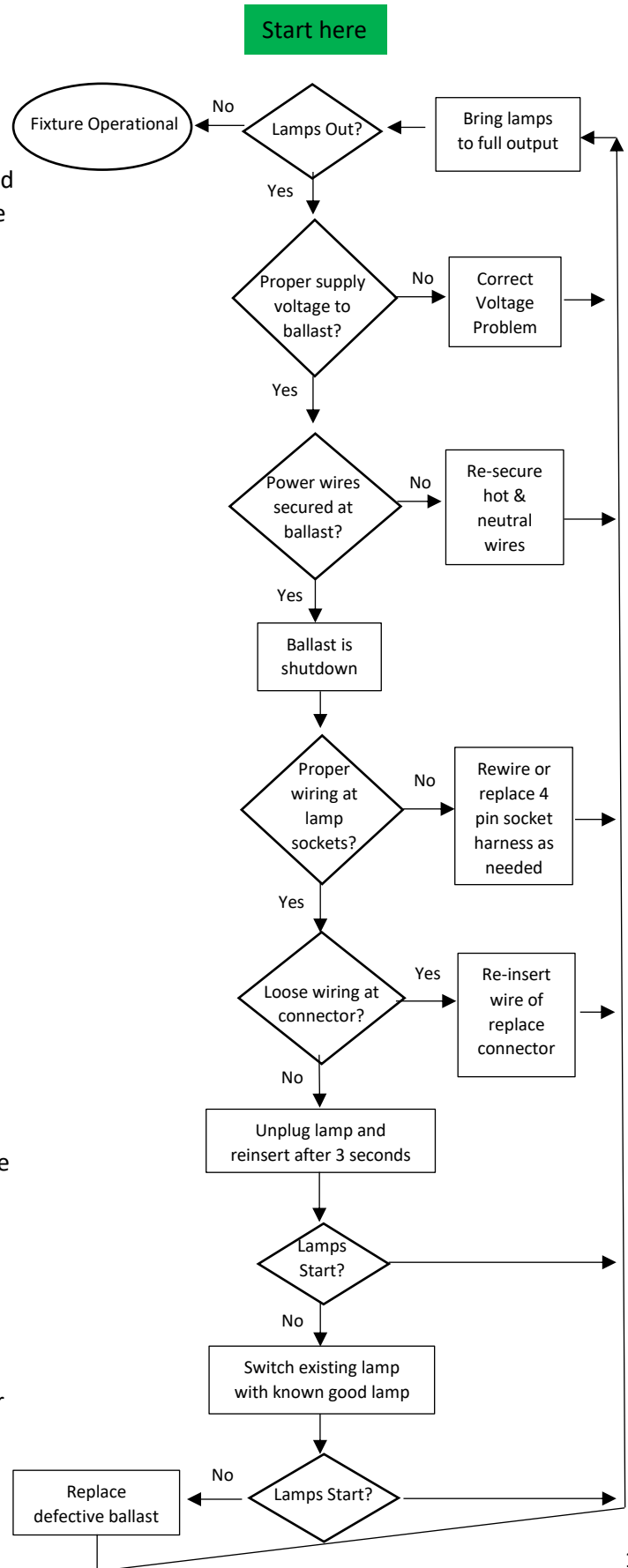
Inoperative Fixture:

Often, a fixture becomes inoperative due to causes not attributable to the ballast. It is important to examine all fixture components before removing the ballast for replacement. We recommend the following general procedure for both magnetic and electric ballasts:

- 1.) **Replace or check all lamps to ensure satisfactory operation.**
- 2.) **As lamps are removed, examine all sockets to ensure they are not damaged or broken and are making proper contact with the lamps.**
- 3.) **Examine all electrical connection within the fixture, including at the lamp socket, to ensure conformance with the wiring diagram (see Wiring Diagram).**

To left is a systematic approach for troubleshooting most problems than arise regarding fixture using ballasts with startup protection. For those situations when this document does not assist in correcting the problem, the manufacture should be contacted.

Note: Programmed Start Ballasts include lamp end-of-life circuitry. This circuit is included to maximize lamp life when one lamp fails in the circuit. The feature enables the ballast to detect when lamps fail and safely removes power for the lamp by going into a shutdown mode. The ballast also goes into a shutdown mode when it detects lamps not properly placed in the sockets. When troubleshooting the circuit, make sure lamps are placed properly in the sockets. Programmed Start ballasts also include a re-strike feature that will restart the lamps after the failed lamp has been replaced. Open circuit voltage cannot be measured due to lamp end-of-life circuitry.



Ballast Replacement

There is not a set lifetime for ballasts. Ballasts are intended to last the life of the unit. However, ballasts can fail prematurely and will need to be replaced. Always replace with ballasts sold through the manufacture. See Ballast Troubleshooting Chart for diagnosing ballast faults.

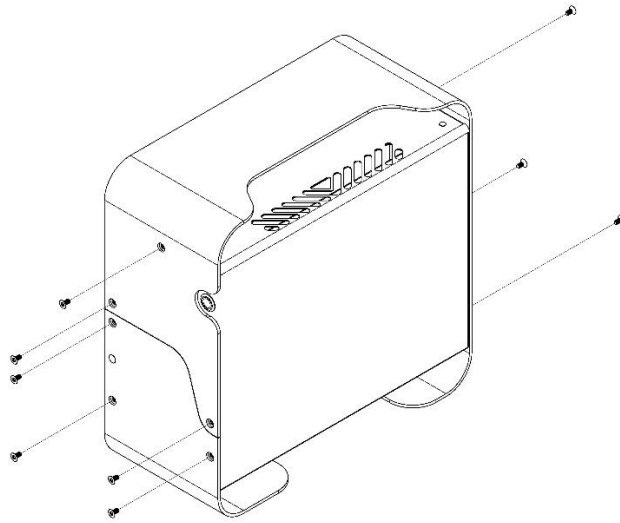


Figure 10

Ballast Replacement Procedure

1.) Disconnect the unit from the power supply.

Note: *If the unit is powered on while the access panel is removed, a safety switch will break power.*

Caution: *Electrical plug must be disconnected before servicing. A break in power caused by the safety switch is not considered disconnecting power.*

2.) Turn the unit upside-down so that the filter is facing up. Using a torx (star) bit screwdriver, remove the (9) screws holding the handle and filter door in place. See Figure 10.

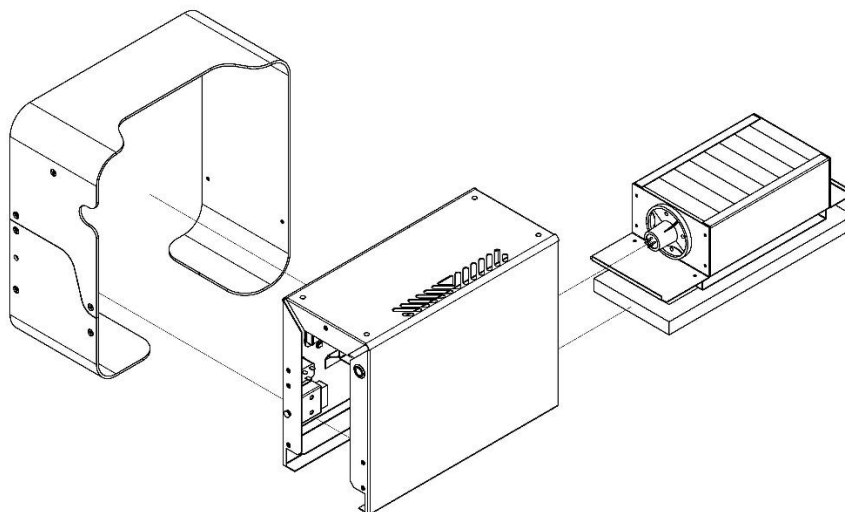


Figure 11

- 3.) Slide the outer handle off as shown in Figure 11. Slide filter out of unit as shown in Figure 11.
- 4.) Disconnect Lamp plug as shown in Figure 8 and 9. Slide out Catalyst Panel as shown in Figure 11.
- 5.) Using a 11/32" nut driver, remove the (4) 11/32" nuts holding the fan/ballast assembly in place. Pull the fan and ballast out of the shell. See Figure 12.

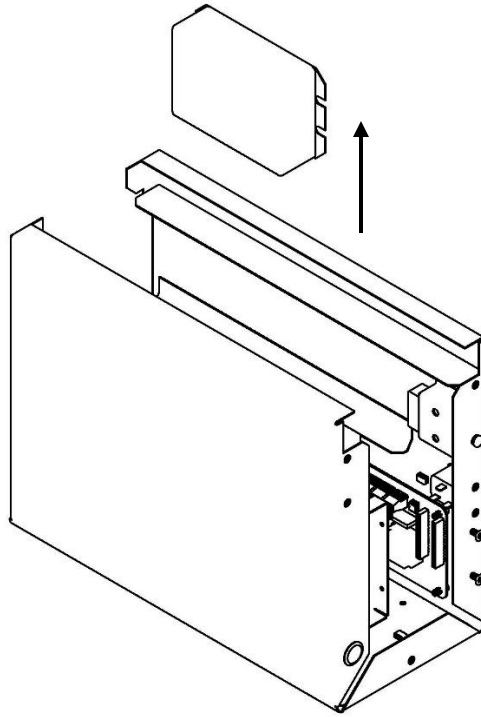


Figure 12

- 6.) Disconnect wire providing power to the ballast.
- 7.) Use an 11/32" socket wrench to remove the (2) nuts holding the ballast into place. See Figure 12.
- 8.) Inspect the new ballast and ensure that it matches the original one.
- 9.) Reinstall ballast and tighten the (2) nuts that hold the ballast in place with an 11/32" socket wrench. See Figure 12.
- 10.) Reinstall fan/ballast assembly into shell. Tighten (4) nuts holding fan and ballast to shell. See Figure 12.
- 11.) Reinstall catalyst panel and pre-filter. Plug ballast into lamp. See Figures 8, 9, and 11
- 12.) Slide handle and filter door back onto shell. Using a torx (star) bit screwdriver, tighten (9) screws holding handle and filter door onto shell. See Figures 10 and 11.
- 13.) Plug-in unit and power on to ensure that the unit works properly.

Exterior Cleaning

This device is not disinfected before being shipped from the manufacturer. The device is not shipped in a hermetically sealed package. The exterior of the device may be disinfected before initial use. However, this device is not intended to be operated by the patient.

Exterior Cleaning Procedure

Caution: *Disconnect device from power prior to cleaning. While cleaning, wear rubber gloves and eye protection to protect skin and eyes against cleaning agents.*

Method 1: Mix 1 quart of water with 1 tbsp of Liquinox Critical Cleaning Liquid Detergent or another appropriate cleaning detergent according to the package instructions. Dampen a clean towel or rag with the cleaning solution. Wipe the exterior of the device to remove any soil. Avoid application of excess liquid as it can leak into the case and cause corrosion over time. Soiled hands can transfer contaminants to touch points. Be sure to clean all touch points (On/Off Button, lift handle etc.). Wipe device with a clean towel moistened with water to remove excess detergent. Wipe device with a dry towel or rag to remove any excess moisture.

Method 2: Use an EPA approved, facility approved cleaning and disinfection wipe. Follow label instructions for use of product. Use a wipe with low alcohol content, as strong solvents may damage the device.

Caution: *Do not wipe the device with a strong alkaline solution (ex: baking soda and water). Do not wipe the device with a strong acidic solution (ex: hydrochloric acid or vinegar). Do not wipe the device with a strong organic solvent (ex: thinner, kerosene, acetone, alcohol). Be sure to dilute these chemicals with water before using. Using strong chemicals may damage the surface of the device.*

Interior Cleaning

As soil and contaminants accumulate on the catalyst, the effectiveness of the unit decreases. The catalyst must be inspected periodically for soil buildup. It is recommended that this inspection be performed during pre-filter replacement (at least every 3 months of operation). **However, frequent cleaning will reduce the life of the catalyst material.**

Catalyst Cleaning Procedure

1.) Disconnect unit from power supply.

Note: *If the unit is powered on while the access panel is removed, a safety switch will break power.*

Caution: *Electrical plug must be disconnected before servicing. A break in power caused by the safety switch is not considered disconnecting power.*

2.) Turn the unit upside-down so that the filter is facing up. Using a torx (star) bit screwdriver, remove the (9) screws holding the handle and filter door in place. See Figure 10.

3.) Slide the outer handle off as shown in Figure 11. Slide filter out of unit as shown in Figure 11.

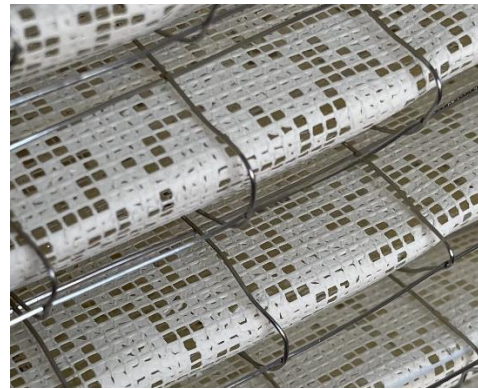
- 4.) Disconnect Lamp plug as shown in Figure 8 and 9. Slide out catalyst panel as shown in Figure 11.
- 5.) Using a flashlight, visually inspect catalyst. Look for clumps of dirt and debris.
- 6a.) If the catalyst appears clean and free of particulate, the catalyst will not need to be cleaned. Proceed to step 11.
- 6b.) If catalyst has accumulated dirt and debris, the catalyst panel should be cleaned. Proceed to step 7.
- 6c.) If the windowing on the catalyst is below 40%, the catalyst will need to be replaced. See Figures 13, 14, and 15 below. Proceed to Catalyst Replacement Procedure.



Striped Catalyst: Figure 13



Used Catalyst Windowing: Figure 14



New Catalyst Windowing: Figure 15

Note: Good visual acuity is required for step 6.

7.) Move catalyst panel to a designated cleaning area (bathtub, shower, outdoor patio, room with floor drains, etc.). Personnel skin and eyes must be protected during cleaning. Personnel should wear gloves, eyeglasses, and aprons or coveralls, as appropriate to prevent skin contact with cleaning chemicals.



Catalyst Cleaning: Figure 16

8a.) If the catalyst is soiled with resin (E.T.S.), grease, or moderate dust build up, spray liberally with Nu-Calgon CalClean, Special HD, or another suitable coil cleaner according to package instructions. Use a pump-up spray bottle to saturate both sides of the catalyst. Do not spray ballast tray. Allow the device to sit for 15 minutes before rinsing with tap water using a pump-up spray bottle. Rinsing is complete when all visible detergent residue has been removed from the device.

8b.) If the catalyst has been discolored and is no longer white, use a mixture of powdered OxiClean and water according to package instructions. Spray mixture on both sides of the catalyst with a pump-up spray bottle. Allow the device to sit for 15 minutes before rinsing with tap water using a pump-up spray bottle. Rinsing is complete when all visible detergent residue has been removed from the device.

Caution: *Do not spray high-pressure water to clean the catalyst. Excessive use of high-pressure water will remove catalyst coating. This type of damage will void the product warranty.*

9.) Allow catalyst 1 hour to dry before reinserting into device. Drying times may vary depending on cleaning location.

10.) Inspect catalyst for the presents of residual mold or algae growth. Inspect catalyst for excessive soil. Remove any residual contaminants by repeating steps 6 and 7. If mold or algae growth persists, catalyst will need to be disposed of. Follow catalyst replacement procedure.

Note: *The catalyst is intended to have trace amounts of residual soil on the surface.*

Note: *Good visual acuity is required for step 10.*

11.) Reinstall catalyst panel and pre-filter. Plug ballast into lamp. See Figures 8, 9, and 11

12.) Slide handle and filter door back onto shell. Using a torx (star) bit screwdriver, tighten (9) screws holding handle and filter door onto shell. See Figures 10 and 11.

13.) Plug-in unit and power on to ensure that the unit works properly.

Catalyst Replacement

After 15 years of continuous use, the catalyst panel inside the unit will need to be replaced. Over time the UV lights will degrade the TiO₂ coating, exposing the fiberglass core. In Figure 13, notice the stripes in the mesh created by the lamps. It is time to replace the catalyst when these stripes appear. Figures 13 and 15 show the removal of catalyst windowing over time. When the windowing is removed, the catalyst is not effective at creating hydroxyl radicals.

Note: *Upon initial startup, some window coating may be blown out of the panel due to excessive coating. At a minimum, 40% of windowing is required for the catalyst panels to meet factory specifications. If the windowing drops below 40%, the catalyst panel should be replaced.*

Catalyst Replacement Procedure

1.) Disconnect unit from power supply.

Note: *If the unit is powered on while the access panel is removed, a safety switch will break power.*

Caution: Electrical plug must be disconnected before servicing. A break in power caused by the safety switch is not considered disconnecting power.

2.) Turn the unit upside-down so that the filter is facing up. Using a torx (star) bit screwdriver, remove the (9) screws holding the handle and filter door in place. See Figure 10.

3.) Slide the outer handle off as shown in Figure 11. Slide filter out of unit as shown in Figure 11.

4.) Disconnect Lamp plug as shown in Figure 8 and 9. Slide out catalyst panel as shown in Figure 11.

6.) Inspect the new catalyst panel to ensure that it matches the dimensions of the original.

7.) install catalyst panel and pre-filter. Plug ballast into lamp. See Figures 8, 9, and 11

8.) Slide handle and filter door back onto shell. Using a torx (star) bit screwdriver, tighten (9) screws holding handle and filter door onto shell. See Figures 10 and 11.

9.) Plug-in unit and power on to ensure that the unit works properly.

Questions and Concerns

Please contact the manufacturer to answer any questions and concerns regarding device reprocessing.

Manufacturer: Genesis Air, Inc.

Phone: 806-745-7000

Web: www.genesisair.com

Email: info@genesisair.com

Replacement Parts

Part	Description	Name / Model Number
Ballast	120-240 VAC, 50/60 Hz	UVB120WHO-120-240V-ID
Catalyst	5" x 8" x 3"	Kestrel Catalyst Panel
Standard Pre-filter	12.5" x 5" x 1"	12" x 12" x 2" MERV 13 Filter
Motor Assembly	Crossflow Fan	Sunford CA06018V11BLW-SK
UVGI Lamps	8" UV-C Lamp	First Light 2886
Power Cord	16 AWG	Qualtek Electronics Corp. 233058-01
Motor Controller	Kestrel Control Board	Kestrel Control Board
On/Off Button	Momentary Push Button	E-Switch PV6FW40SS-331
Lamp Screws	Hex Screw	10-16 Self-Drilling Screw
Catalyst Cover Screws	Phillips Head Screw	PPH ½" Self-Drilling Screw
Screws	Kestrel Screws	M4 -0.7 x 10 mm Allen Head Screw
Door Switch	Interlock Switch	Omron

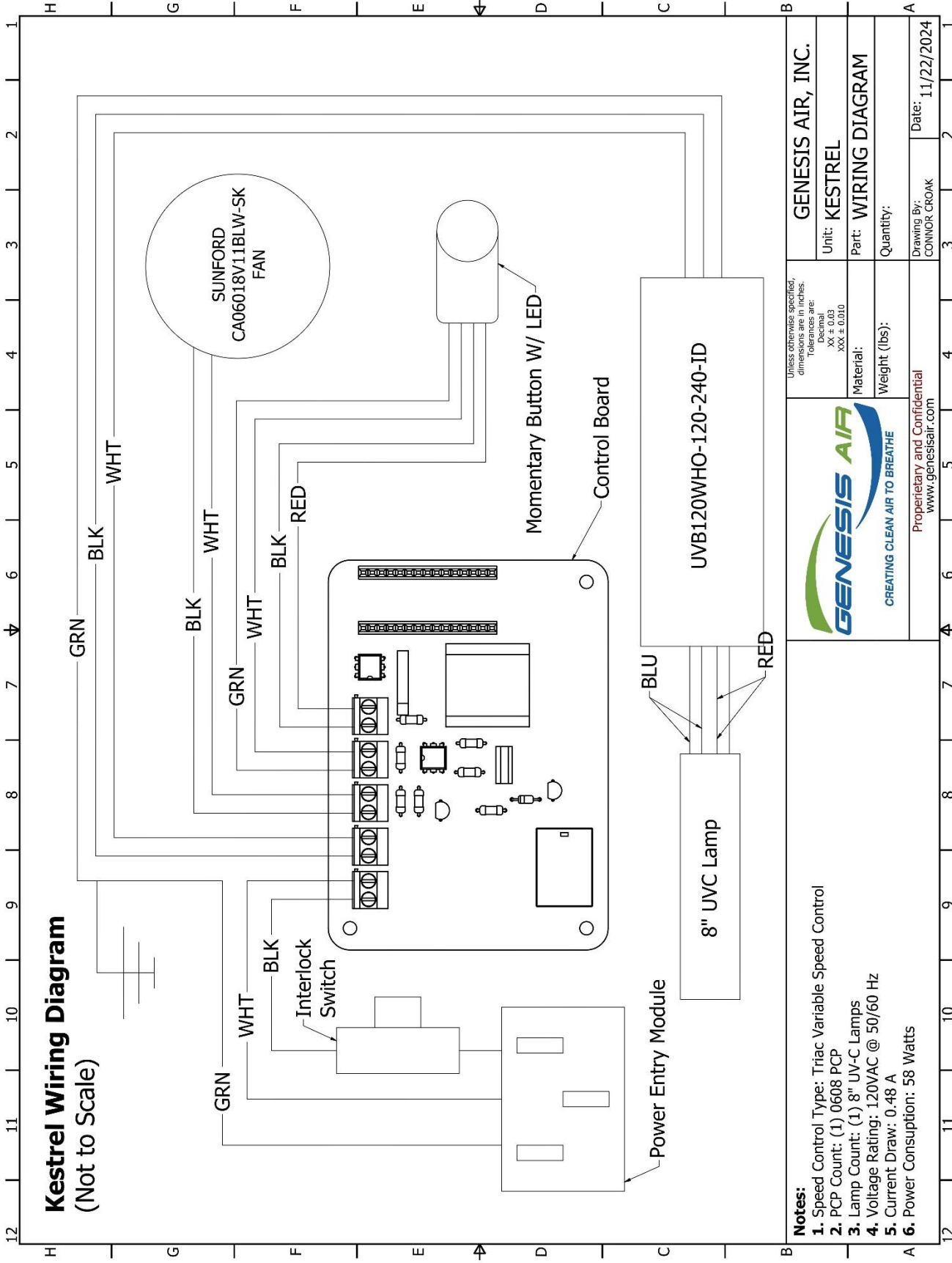
Table 2: Replacement Parts

**Only use genuine replacement parts.*

To place an order for replacement parts, please contact the manufacturer at

Phone: (806) 745-7000

Website: www.genesisair.com



GENESIS AIR, INC.	
Unit: KESTREL	
Part: WIRING DIAGRAM	
Quantity:	
Drawing By: CONNOR CROAK	Date: 11/22/2024

<small>Unless otherwise specified, dimensions are in inches. Tolerances are: Decimals: .XX Fractions: XXX ± 0.010</small>	
Material:	
Weight (lbs):	
 <small>CREATING CLEAN AIR TO BREATHE</small> <small>Proprietary and Confidential</small> <small>www.genesisair.com</small>	

- Notes:**
- Speed Control Type: Triac Variable Speed Control
 - PCP Count: (1) 0608 PCP
 - Lamp Count: (1) 8" UV-C Lamps
 - Voltage Rating: 120VAC @ 50/60 Hz
 - Current Draw: 0.48 A
 - Power Consumption: 58 Watts

Air Purification Testing

The manufacturer has conducted numerous tests to authenticate that CenterPoint Technology is an effective means of reducing airborne indoor air contaminants. The manufacturer of this device will make copies of test results available to those who request it.

Testing Protocol

There are two main types of tests that can be performed with air purifying equipment: single pass tests and chamber tests. A single pass test measures the contaminant level at the inlet of the equipment and compares that value to the level of contaminants at the outlet. A chamber test measures the change in contaminant level within an enclosed space over a given amount of time. Tests can measure volatile organic compounds (VOCs) reduction, reduction of viable biological contaminants (bacteria, viruses, fungi), and particulate reduction.

CenterPoint equipment is intended to reduce VOCs and deactivate viable biological contaminants. **CenterPoint equipment is not intended to significantly reduce non-viable biological contaminants. CenterPoint equipment is not intended to significantly reduce particle contaminants.**

Many testing groups do not make a distinction between viable and non-viable biological contaminants. When testing CenterPoint equipment, a distinction must be made between viable and non-viable biological contaminants in the air. **Tests must only measure viable biological contaminants that appear in the air.** The bodies of inactivated biological contaminants will remain in the air. **Inactive bodies are incapable of reproducing or infecting people occupying the space.**

For more information, please contact the manufacturer at

Email: information@genesisaair.com

LIMITED WARRANTY

FAILURE TO MAINTAIN YOUR EQUIPMENT WILL VOID THIS WARRANTY

Your CenterPoint purification system is expressly warranted from the date of installation to be free from manufacturing defects for the coverage period stated below. Defective parts must be returned by you to the installation contractor together with the CenterPoint purification system's model number, serial number, and documented installation date no later than thirty (30) days after the failure.

ONE (1) YEAR COVERAGE -- RESIDENTIAL AND COMMERCIAL APPLICATIONS

The covered equipment and covered components are warranted by Genesis Air for a period of ONE (1) year from the date of the original unit installation, when installed in a residential or commercial application. If during this period, a covered component fails because of a manufacturing defect, Genesis Air will provide a free replacement part. You must pay shipping charges and all other costs of warranty service. Genesis Air will not pay labor involved in diagnostic calls or in removing, repairing, servicing, or replacing parts. Such costs may be covered by a separate warranty provided by the installer. NOTE - If the date of original installation cannot be verified, the warranty period will be deemed to begin six (6) months after the date of manufacture.

EXCLUDED COMPONENTS

The following components are not covered by this warranty: the UVCGI lamps or the pleated photocatalytic material. These are replacement items, which must be replaced as stated in the Maintenance section of the installation instructions to ensure effective operation.

REPAIRS

All repairs of covered components must be made with authorized service parts by a qualified service dealer or contractor. Labor charges are not covered by this warranty.

WARRANTY LIMITATIONS

This warranty will be voided if the covered equipment is removed from the original installation site. This warranty does not cover damage or defect resulting from:

- 1** - Flood, wind, fire, or lightning damage. Storage, installation, or operation in a corrosive atmosphere (chlorine, fluorine, salt, recycled wastewater, urine, fertilizers, or other damaging chemicals).
- 2** - Accident, or neglect or unreasonable use or operation of the equipment, including operation of electrical equipment at voltages other than the range specified on the unit nameplate (Includes damage caused by brownouts).
- 3** - Modification, change or alteration of the equipment, except as directed by the manufacturer.
- 4** - Operation with system components (indoor unit and control devices), which do not match, or meet the specifications recommended by the manufacturer.
- 5** - Operation with system components (indoor unit and control devices), which exceed operational temperature range of; -20 F to 122F.
- 6** – **Cleaning equipment with high pressure water spray so that the PCP catalyst coating is damaged.**
- 7** – Damage caused by allowing non-functioning equipment in an air stream for a prolonged period. Air speeds above 600 ft/min will damage equipment beyond repair.

THIS WARRANTY SHALL NOT OBLIGATE THE MANUFACTURER FOR ANY LABOR COSTS AND SHALL NOT APPLY TO DEFECTS IN WORKMANSHIP OR MATERIALS FURNISHED BY THE INSTALLING CONTRACTOR AS CONTRASTED TO DEFECTS IN THE CENTERPOINT™ PURIFICATION SYSTEM ITSELF. IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE SHALL BE LIMITED IN DURATION TO THE AFORESAID COVERAGE PERIOD. THE MANUFACTURER'S LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, OTHER THAN DAMAGES FOR PERSONAL INJURIES, RESULTING FROM ANY BREACH OF THE AFORESAID IMPLIED WARRANTIES OR THE ABOVE LIMITED WARRANTY IS EXPRESSLY EXCLUDED. THIS LIMITED WARRANTY IS VOID IF DEFECT(S) RESULT FROM FAILURE TO HAVE THIS UNIT INSTALLED BY A QUALIFIED HEATING AND AIR CONDITIONING CONTRACTOR. IF THE LIMITED WARRANTY IS VOID DUE TO FAILURE TO USE A QUALIFIED CONTRACTOR, ALL DISCLAIMERS OF IMPLIED WARRANTIES SHALL BE EFFECTIVE UPON INSTALLATION.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitations may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

Last Revision: 10/21/2021

To register your new CenterPoint Purification System, PLEASE CUT ON DOTTED LINE AND RETURN THE REGISTRATION FORM TO THE ADDRESS NOTED BELOW.

Customer Registration Form

Customer Name: _____ Address: _____

City: _____ State/Province: _____ Zip/Postal Code: _____

Home Phone: _____ E-mail: _____

Installing Contractor: _____ Phone: _____

Date of installation: _____ Model Number: _____ Serial Number: _____

Please send this completed form to the manufacturer.

Genesis Air, Inc.

5202 CR 7350, Suite D Lubbock, TX 79424

