

## **Maintenance:**

Typical maintenance of the Solaris is recommended replacement of the UVC Lamp every 18,000 hours approximately 2 years, for optimum results change lamps every year. UV lamps undergo a photochemical process during operation. This slowly reduces the amount of UV light generated to disinfect against airborne pathogens.

**Note:** You must reset the service indicator light after each lamp replacement. With the power on press and hold the RESET button for 10 seconds using a non-metallic Implement. The LED should turn blue while the button is depressed. Release the RESET button, and the LED should remain blue.

### **Important:**

When installing new lamps, ensure that the lamp glass is free from any fingerprints or debris, as this may alter the path of the UV energy. Use rubbing alcohol and a dry cloth to remove any surface contaminants.

## **Replacement Lamp Log Sheet:**

Included with the product is a replacement lamp log sheet. It is provided as a label so it can be attached near the installation to ensure lamp replacements are being tracked.

## **Replacement Lamp Part Numbers:**

10" Pure Spectrum Lamp for use in the PCO reactor chamber - AS-IH-1013-1

## **Warranty:**

Ultravation® Solaris features Ultravation's 10 year warranty from date of installation (minimum expected lifetime of product within normal operating conditions), with the exception of the ultraviolet lamp(s), which are warranted for a period of one year after date of installation.

This warranty does not include damage to the unit from accident, misuse or improper installation.

If this product should become defective, Ultravation will elect to repair or replace the product free of charge. Ultravation will return repaired or replaced warranted products pre-paid to the customer, provided that the product was delivered pre-paid. Ultravation shall have no responsibilities for charges incurred by the customer for installation or removal of warranted items. Liability is limited only to the replacement or repair of this product.

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state. All returns must be accompanied by a return authorization number, which may be obtained by contacting Ultravation, Inc.

## **Ultravation, Inc.**

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SLX-1024-2998 REV 3



**Model # SLX1024-2998**  
*Whole House Air purifier with adjustable  
advanced oxidation combined with 4x high  
output Plasma generation.*

*Operating voltage: 24 VAC 40 VA.*

***Installation and Owners Manual***



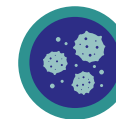
Eliminates  
Odors



Kills  
Germs



Allergen  
Reduction



Kills Mold  
Spores



Removes  
Smoke



Patented  
Design

## Package Contents:

- Solaris power head and reactor
- Four self tapping screws
- Two wire nuts / 40 VA Transformer.
- Viewport (snap in)

- UVC warning label
- Replacement lamp log sheet
- Viewport label
- Warranty card
- Duct board plate / sealing tape

## Safety Precautions:

It is recommended that this unit be installed and maintained by a trained technician.

**WARNING:** UV Hazard. Always protect eyes from ultraviolet light. NEVER look at UV lamps in operation. Unplug or disconnect power before lamp replacement or servicing.

**WARNING:** Severe eye damage or temporary blindness may occur.

**WARNING:** DO NOT operate outside of air handler. Mount product in preferred location first.

**WARNING:** No openings should be allowed which would give direct line-of-sight to the UV light.

**Note:** In the event of accidental breakage or replacement of the ultraviolet lamp, please ensure that the lamp is disposed of in accordance with local and state environmental laws regarding fluorescent lamps containing mercury.

### **Notice:**

All wiring inside of the air handler in direct line of site of the UV lamp must be shielded with aluminum foil tape or equivalent non-combustible material. When installing this unit, select a mounting location that prevents ultraviolet light exposure to synthetic or other plastic components with unknown resistance to ultraviolet light. Ultraviolet light may cause color shift or structural degradation of plastic internal components.

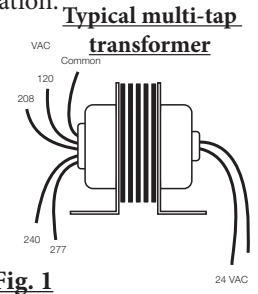
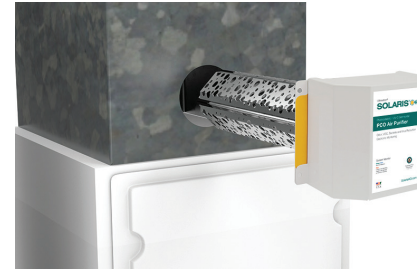
## Mechanical installation

1. Determine a location for the Solaris system. Mount the unit on the exit or supply side of the HVAC system and before the duct work branches off.
2. Separate the power module from the mounting plate.
3. Note the orientation of the power module as it connects in only one direction.
4. Mark a 4" round opening (or use the end of the PCO chamber to mark the area) on the air duct and cut the hole needed for the insertion of the advanced photocatalytic chamber.
5. Thread supplied gasket over PCO module and attach to mounting plate. (Seals against air duct.)
6. Insert the mounting plate / PCO module into opening and attach to duct with two supplied self-tapping screws in the lower left and upper right (only).
7. Adjust purification level. (See next page)
8. Place the power module on the unit aligning holes in tabs with holes in mounting plate (upper left /lower right).
9. Secure the power module to the mounting plate with the remaining two self-tapping screws.

## Electrical installation

This product operates on 24 VAC must be connected to a dedicated minimum 40 va transformer supplied or to supplied wall plug in transformer (for model number SLX1000)

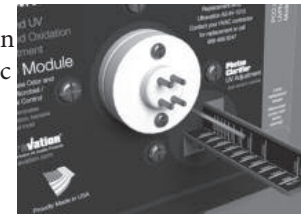
1. Disconnect power supply before beginning installation to prevent electrical shock or equipment damage.
2. Connect secondary voltage. Refer to voltage color or terminal coding on transformer for proper wire combination. On terminal type transformer, be sure that no exposed wire can come in contact with any terminal.
3. Connect primary voltage. Refer to voltage color coding on transformer for proper wire combination. See Fig. 1 for connection and installation.
4. Tape or protect all unused exposed wire separately to avoid a possible electrical short.
5. Check installation and reconnect power supply for proper operation.



## Adjusting the Purification level

The Solaris is a universal air purifier with a patented design that provides adjust ability to the advanced photo catalytic process for a variety of treated space sizes.

When setting up your equipment, adjust the purification level (under electronics cover) to the appropriate position based on the square footage Fine adjustments may be required depending upon household living characteristics.



## Lamp Replacement Procedure:

The UV lamp is shipped installed in the equipment and should be replaced during an annual service. To replace the UV lamp follow the steps below:

1. Unplug power cord and remove power module. (See Fig. 1)
2. Note the position of the Photon Clarifier and pull adjustment bar to its full-out position. (See Fig. 2)
3. Remove lamp screws and pull lamp out of PCO module. (See Fig. 3)
4. install new lamp and fasten with lamp screws.
5. Set the Photon Clarifier to its noted setting.
6. Place the power module on the unit and fasten.
7. Plug in power cord.



**Fig. 1**



**Fig. 2**



**Fig. 3**