

Maintenance:

Typical maintenance of the Solaris is recommended replacement of the UVC Lamp every 27,000 hours approximately 3 years. For optimum results change lamps every 2 years. UV lamps undergo a photochemical process during operation. This slowly reduces the amount of UV light generated to disinfect against airborne pathogens.

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:

14" Spectrum Lamp for use in the PCO reactor chamber.....AS-IH-1024

Warranty:

Solaris features a 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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Installation and Owners Manual

Model # SLX-AAL-CAT

*Whole House Air purifier with adjustable advanced
oxidation combined with 4x high output Plasma
generation.*



Photocatalyst component for HVAC
For use with Solaris Family of IAQ products
This product requires an additional power supply to operate

Package Contents:

- Solaris photo catalyst module.
- 4 self tapping screws
- 1 Lamp lead 6 ft 6 pin connector
- UVC warning label
- Replacement lamp log sheet
- Warranty card
- Ductboard 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.

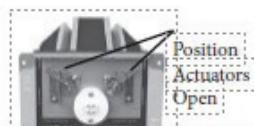
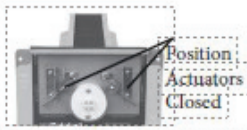
WARNING: No openings should be allowed which would give direct line-of-sight to the UV light.

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.

Installation Steps:

1. Determine a suitable location to install the module. Mounting location should be of sufficient strength as to support the module; otherwise reinforcement of the duct work may be necessary. The module should be installed after filtration and before any branches in the duct work.
2. When a suitable location is determined drill a 4.5 -5" hole for installation of the module.
3. Make sure to remove protective bag from around lamp used for shipping purposes.
4. Ensure catalyst position actuator is in the closed position (as shown to the right.) Attach square mounting gasket (supplied) to the bottom of the module. Lift module, place against duct work. Fasten module in place with four self-tapping screws (supplied) in lower and upper mounting positions.
5. Once installed push in and relocate the catalyst actuators to the open position (as shown to the right). This ensures you maximize the surface area of titanium infused carbon to allow you to achieve maximum performance.
6. Turn off power to system being upgraded by turning off, disconnect or turning off breaker to the system.
7. Plug the lamp connector fully onto the installed UVCatalyst lamp. Be sure the four pinholes are orientated properly to the four matching pins on the lamp.



The PCO Panels ship in the closed position. Only open for operation after mechanical installation. **Never move the panels by hand only use the actuators.**

Installation

This product must be connected to a Solaris IAQ Module to operate.

1. Disconnect power supply before beginning installation to prevent electrical shock or equipment damage.
2. Plug the 6 pin connector lead from the photocatalytic module to the proper ports
3. Check installation and reconnect power supply for proper operation.



UVGI lamp replacement procedure:

- To replace the lamp follow the steps below:
- Unplug power cord from the power supply.
- Remove two screws from housing pull to unplug power module.
- Remove two lamp screws (do not discard screws).
- Install new lamp with care not add any finger prints to glass sleeve.
- Re-install the module with two screws.
- Plug power cord in, reapply power.