

Maintenance:

Typical maintenance of the Solaris is recommended replacement of the UVLED-ION-module every 36,000 hours approximately 4 years, for optimum results change Module every 2 years.

Replacement Module Part Numbers:

12"UVLED-ION module.....SLX-MOD

Safety Precautions:

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

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

Warranty:

Ultravation® Solaris features Ultravation’s lifetime warranty, with the exception of the UVLED-ION module, which are warranted for a period of two years after date of consumer purchase.

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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Ultravation®
SOLARIS®
Air Purifier

Installation and Owners Manual

Model #SIXLED

Whole House Air purifier with advanced oxidation combined with 8x bi-polar ION generation.

*Operating voltage: 24 vac 20 watts.
(24 VAC 40 VA. Transformer included)*



Activated Carbon / Photocatalytic (PCO) / UVLED / ION Air Purification for HVAC

- Eliminates Odors
- Kills Germs
- Allergen Reduction
- Kills Mold Spores
- Removes Smoke
- Patented Design

Package Contents:

- Solaris LED Module And PCO Reactor
- Four self tapping screws
- Two wire nuts
- 24VAC Power cord
- 40 VA 24 volt ac transformer
- Warranty card
- Ductboard plate / sealing tape
- Product gasket

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 ductwork 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.

Installation procedure for duct board plate

Position duct board plate in the center of the duct board.

Trace and cut or simply cut in the outer slots provided.

Bend mounting tabs inwards being sure they bend at the furthest outside slot.

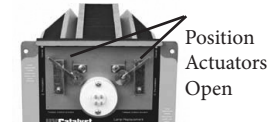
Now bend inner mounting tabs at the slots provided so they will wrap around the duct board.

The duct board plate is to be used on 1" to 1-1/2" duct board.

Seal edges with provided pre-cut foil back tape.



Position Actuators Closed



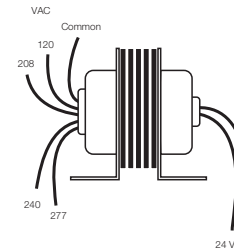
Position Actuators Open

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

Electrical installation

This product operates on 24 VAC must be connected to a dedicated minimum 40va transformer supplied

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.
6. Connect 24 VAC wires to supplied 6 ft cable (polarity not important)



Typical multi-tap transformer included



Module Replacement Procedure:

The UVLED-ION Module is shipped installed in the equipment and should be replaced during biannual service.

To replace the module follow the steps below:

1. Unplug power cord and remove power module cover .
2. Remove used Module (caution ion pins are sharp)
3. Install new Module (press into place)
5. re-install cover by snapping it into place.
6. plug power cord in to base of new module, re-apply power.

