

Maintenance:

Typical maintenance of the purifier is recommended replacement of the UVGI lamp every 18,000 hours approximately 2 years, for optimum results change Module annually.

Replacement Module Part Numbers:

12" 254 nm UVGI NON OZONEAS-IH-1001

Safety Precautions:

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

WARNING: UV exposure 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:

The EUVCat series has a 10 year warranty, the UVCat is Lifetime.

The UV lamp is warranted for a period of 1 year 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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Member:



EPA establishment number: 074725-VT-001

Ultravation®

SOLARIS®

Installation and Owners Manual

Models:

Solaris-EUVCat, Solaris-UVCat

Whole House Air purifier

Operating voltage: 24 vac 20 watts.

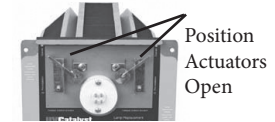
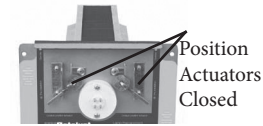
(24 VAC 40 VA.transformer not included)



Features		SolarisUVCat	ECAT
EXCLUSIVE 3-Panel Purification	The most effective PCO Air Purifier in its class!	✓	✓
HVAC airstream disinfection	UV kills airborne pathogens / allergens	✓	✓
Whole house coverage	Up to 5000 sq. ft.	✓	✓
Ultravation T3™ UV lamp	40% more UV w/o increased power consumption, 18,000 hr life	✓	✓
UVLampMonitor™	Displays system status and notifies when UV lamp needs to be changed	✓	✓
Easily expanded	Quick connection for optional EZ-Light 6P UV lamp ¹	✓	✓
Self-Cleaning	Captured contamination is processed and harmless molecules released	✓	✓
U.S. sourced steel	Premium components for maximum durability and longevity	✓	✓
Microprocessor control	Regulates power to optimize UV lamp performance and lifespan	✓	✓
Lamp status	Visual UV lamp operation indicator	✓	✓
Power	24VAC ¹	✓	✓
Warranty		Lifetime ²	Ten-years ²

Package Contents:

- Solaris EUVCat/ UVCat purifier
- Four self tapping screws
- Two wire nuts
- 24VAC Power cord
- UV Lamp (installed)
- Warranty card
- warning/ lamp replacement card
- Product gasket



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 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 ductwork may be necessary. The module should be installed after filtration and before any branches in the ductwork.
2. When a suitable location is determined drill a 4" 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 ductwork. 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 E-UVCat series has 2 LED indicators. Green operation is normal. Red indicates the need for service.

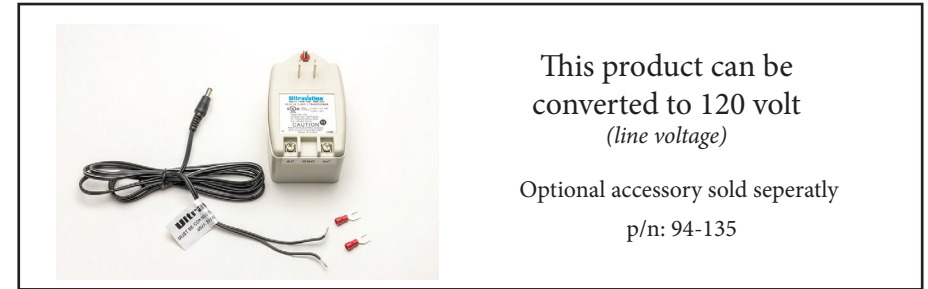


This product is 6-P compatible allowing it to operate a second UVC lamp for additional purification (sold separately)

RESET BUTTON
SS SERIES ONLY



The Solaris UVCat series has onboard diagnostics to determine lamp failure and lamp replacement requirement. A visual blue LED indicates normal operation, red indicates service is required. Remember to press the reset button for 10 seconds after each lamp change (UVCat models only). Also equipped with an audible alarm for any faults



This product can be converted to 120 volt (line voltage)

Optional accessory sold separately
p/n: 94-135

Electrical installation

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

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.
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)

UVGI lamp replacement procedure:

To replace the module follow the steps below:

1. Unplug power cord, remove two screws from housing pull to unplug power module.
2. Remove two lamp screws (do not discard screws).
3. Install new lamp with care not add any finger prints to glass sleeve.
5. re-install the module with two screws.
6. plug power cord in, replay power.
7. UVCat series only with power on depress reset button for 10 seconds.