

## **Maintenance:**

Typical maintenance of the UVC-Advantage system is replacement of the UVC Lamp-Module every one or two years.

Systems equipped with the Ultravation T3 lamp technology require replacement every 18,000hrs of operation or 2 years. All other products require lamp-Module changes every 9,000 hours or 1 year.

*UV lamps undergo a photochemical process during operation. This slowly reduces the amount of UV light generated to disinfect against airborne pathogens. The blue glow given off from a UVC lamp is a by-product and not an indicator of UVC energy performance.*

**Contact your HVAC contractor or contact Ultravation customer service to locate a contractor near you for replacement parts or service.**

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## **Replacement UVC Module Part Numbers:**

### ***UVC-MOD-12***

12 inch. Length UVC-Advantage power supply with 9,000-hour runtime UVC lamp.  
1-year warranty.

### ***UVC-MOD-12-T3***

12 inch. Length UVC-Advantage power supply with 18,000-hour runtime UVC lamp.  
2-year warranty.

### ***UVC-MOD-17***

17 inch. Length UVC-Advantage power supply with 9,000-hour runtime UVC lamp.  
1-year warranty.

### ***UVC-MOD-17-T3***

17 inch. Length UVC-Advantage power supply with 18,000-hour runtime UVC lamp.  
2-year warranty.

## **Warranty:**

The Ultravation® UVC-Advantage series has a one year warranty from date of installation, with the exception of the UVC-Advantage T3 series and PCO-Air Purifier, which are warranted for a period of two years 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 replace the product free of charge. Ultravation will return 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 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.

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## **Ultravation, Inc.**

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DC-OM-ADV REV 2

# **UVC-Advantage™**

HVAC Air and Surface Sanitizer

## **Installation Manual and Owners Guide**

**Please leave with the homeowner**



Shown with optional  
PCO Air Purifier

*For Models:*

*ADV1224, ADV1224-T3,  
ADV1224-PCO, ADV1224-T3-PCO*

*ADV1724, ADV1724-T3,  
ADV1724-PCO, ADV1724-T3-PCO*

**Ultravation®**

Better Air | Better Water | Better Living™

## Package Contents:

- 1 Integrated UVC Lamp-Module either 12 inch or 17 inch lamp length.
- 1 round lamp mounting gasket.
- 1 6 ft length 24vac. power cord.
- 1 Mounting plate suitable for duct board and metal plenums.
- 7 self tapping /4HEX#10X3/4" screws.
- 1 Light Shield (optional).
- 1 magnet for optional internal mounting.
- 1 Replacement lamp log sheet.
- 1 UVC warning label.
- 1 UV Viewport label with clear lens.
- 1 cotton glove.
- 1 alcohol prep pad.
- 2 wire nuts
- PCO Air Purifier (available on select models) also available as an add on accessory.

## Safety Precautions:

### Attention:

This product is sold only through and must be installed by professional HVAC contractors. Improper installation can result in damage to the UV system and/or HVAC equipment. Human exposure to UV light damages eyes and skin. This product is not intended for sale on the internet or in retail stores.

### WARNING:

UV Hazard. Always protect eyes from ultraviolet light. NEVER look at UV lamps in operation. Unplug or disconnect power before re-lamping 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. No openings should be allowed which would give direct line-of-sight to the UV light.

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.

## Remember:

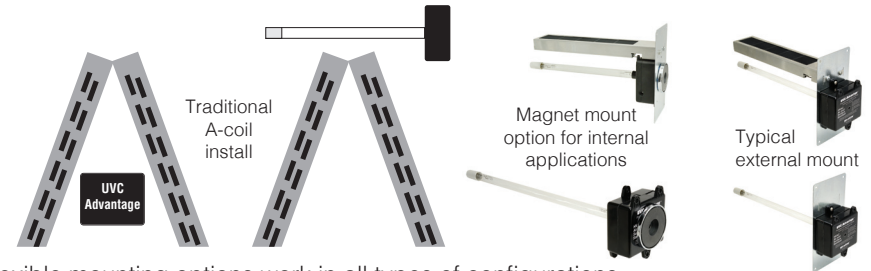
Never look at an ultraviolet lamp in operation. cellular damage occurs within a fraction of a second.



## Installation procedure:

### Disconnect power.

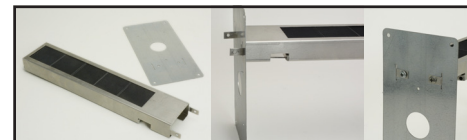
Locate the proper location for installation (see diagram) in southern climates or areas with high humidity, additional systems could be required for items such as HVAC blower motors or for systems that have coils shaped like a W.



Flexible mounting options work in all types of configurations.

Choose between external (most common for metal plenums) or internal mounting of the system. Typical installation is after any other filtration device and before the duct work branches off .

1. Drill a 1" hole for external mount applications (if equipped with the PCO Air Purifier see enclosed template for hole sizes and dimensions).
2. Install the Sanitizer using the supplied plate and gasket or magnet (if equipped with the PCO Air Purifier mount the carbon module to the plate prior to installation).
3. Install a dedicated 40 VA 24 VAC transformer per applicable local and state electrical codes, not included. Or use optional 120v wall plug accessory sold separately (Part number 94-135)
4. The UVC-Advantage is designed to operate constantly, it is not recommended to switch off and on with the fan motor.
5. Connect the power cord using the supplied wire nuts to the transformer.
6. Plug the connector into the UVC Advantage.
7. Affix all warning and lamp replacement labels as well as the UVC viewport in a clear and logical location for quick inspection of the UVC system.
8. Replace any service panels, reconnect system power.
9. Ensure the system is operating by noting the blue glow within the viewport.



Optional PCO Air Purifier is also available separately, constantly cleans the air of VOC and biological odors and contaminants with zero ozone emission. part number 94-114-(12" or 17")



120v wall plug-in accessory sold separately p/n: 94-135



Light shields block unwanted UVC exposure, sold separately. p/n: 94-090-(12" or 17")

Visit: [Ultravation.com](http://Ultravation.com) for more information