

## Maintenance:

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

**Replacement Lamp Part Number:** AS-IH-1013

## Safety Precautions:

It is recommended that this unit be installed and maintained by a trained technician. **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 fluores-cent 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 com-ponents with unknown resistance to ultraviolet light. Ultraviolet light may cause color shift or structural degradation of plastic internal components.

## Warranty:

Ultravation® UVPhotoMAX™ has a 10 year warranty from date of installation (minimum expected lifetime of product within normal operating conditions). The UV lamp is warranted for a period of 1 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.

67 Tubbs Av, Brandon, Vermont 05733 Phone:  
1-866-GO-UV-AIR (468-8247) • Fax: 802-287-9203  
www.ultravation.com • info@ultravation.com  
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DC-OM-PMAX Rev 3

Member:



EPA establishment number: 074725-VT-001

# Ultravation®

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## Installation and Owners Manual

### UVPhotomax Series



This Manual is for the following series:

Model#	Voltage
PTE-1224	24V
PTE-1200	120V
SS-PTX-1224	24V
SS-PTX-1200	120V

## Package Contents:

- One power supply
- Four self tapping screws (for mounting)
- Two wire nuts (used with 24V units only)
- 24v power cord **OR** 120v power adaptor depending on model
- UVC warning label
- Replacement lamp log sheet
- Warranty card

## Mechanical installation

1. Determine a location for the oxidation module. 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. Mark a 4" round opening (or use the end of the oxidation module to mark the area) on the air duct and cut the hole needed for the insertion of the advanced oxidation module. Adjust Photon Clarifier.
4. Insert the mounting plate / oxidation module into opening and attach to duct with two supplied self -tapping screws in the lower left and upper right (only). Place module against ductwork. Fasten module in place with four self-tapping screws (supplied) in lower and upper mounting positions.
5. Install lamp (See lamp replacment/Installation)
6. Place the power module on the unit aligning holes in tabs with holes in mounting plate (upper left /lower right).
7. Secure the power module to the mounting plate with the remaining two self-tapping screws.

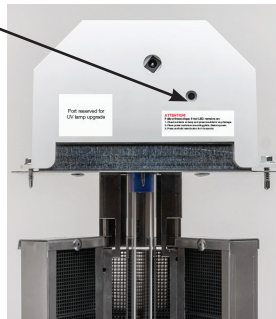
## Adjusting the Photon Clarifier

The UVPhotoMAX™ is a universal air purifier with a patented design that provides adjustability to the advanced photo-catalytic process for a variety of treated space sizes. When setting up your equipment, adjust the Photon Clarifier Adjuster (under electronics cover) to the appropriate position based on the square footage of the home or CFM of the air handler. Fine adjustments may be required depending upon household living characteristics.



Reset Button  
SS Series only

The SS PTX series has onboard disagnostics 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 (SS 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

1. For line voltage models simply plug the 120v cord into the power supply and then into a proper recepticle follow all applicable local code.
2. 24v models must be connected to a dedicated minimum 40va transformer with supplied power cord. (Read below)
3. Disconnect power supply before beginning installation to prevent electrical shock or equipment damage.
4. 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.
5. Connect primary voltage. Refer to voltage color coding on transformer for proper wire

## Lamp replacement/installation

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 to not add any finger prints to glass sleeve.
4. Re-install the module with two screws. plug power cord in, reapply power.
5. SS series only: With power on depress reset button for 10 seconds.



fig. 1



fig. 2



## 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.



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