

## Maintenance:

Typical maintenance of the germicidal component is replacement of the UVC Lamp. Maximum lamp life is 2-3 years (See replacement table below)

UV lamps undergo a photochemical process during operation. This slowly reduces the amount of UV light generated to disinfect against airborne pathogens. The typical loss is 10-15% per 9,000 hours (Approx. 1 year).

Replacing lamps annually ensures maximum disinfection rates.

### **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.

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## 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.

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## Replacement Lamp Part Number:

AS-IH-1001.....Ultravation 12” 18000 Hour UVC lamp

AS-IH-1024.....Ultravation 14” 27000 Hour UVC lamp

AS-IH-1003.....Ultravation 17” 18000 Hour UVC lamp

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## Warranty:

The UMX-EZ Series germicidal light manufactured by Ultravation, inc is warranted for a period of 10 years after 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.

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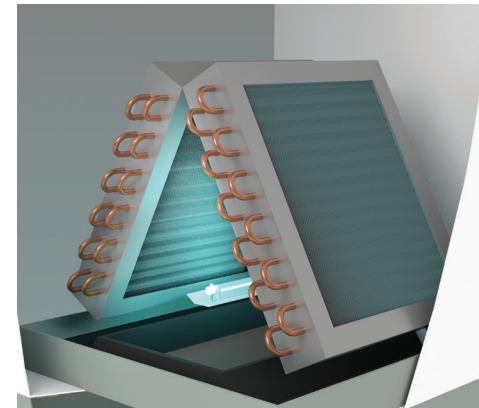
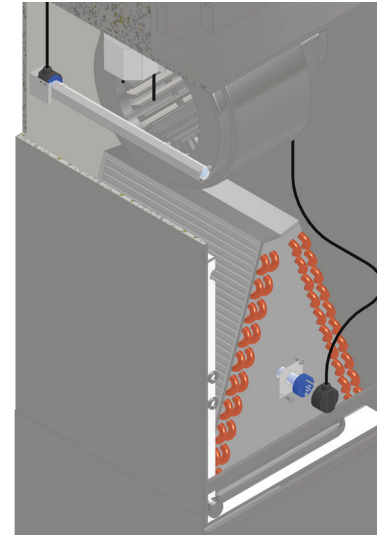
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DC-OM-UMXEZ Rev 3

UltraMAX™  
EZUV

Ultravation®

Better Air | Better Water | Better Living™



## *Installation and Owners Manual*

### UVC Germicidal light for HVAC Application

Ozone Free UltraMAX EZUV conforms to UL 2998 (3rd Edition, July 10, 2020) clause 6.2, emittance of ozone not exceeding a concentration of 0.005 ppm.

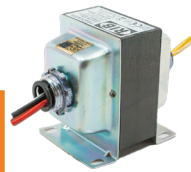
MODEL NO:	DESCRIPTION
UMX2412-EZ	1-12” 24 VAC HVAC UV purifier
UMX2414-EZ	1-14” 24 VAC HVAC UV purifier
UMX2419-EZ	1-17” 24 VAC HVAC UV purifier
UMX2412EZ-M	1-12” 24 VAC HVAC UV purifier with magnetic mount option
UMX2414EZ-M	1-14” 24 VAC HVAC UV purifier with magnetic mount option
UMX2419-EZ-M	1-17” 24 VAC HVAC UV purifier with magnetic mount option

## Package Contents:

- One 12", 14" or 17" UVC lamp
- One Light Shield
- One round lamp mounting gasket
- One lamp lead
- One 24 VAC power supply
- 6 ft power cord
- Optional One magnet with screw
- Lamp Mounting Plate with hardware
- UVC warning label
- Replacement lamp log sheet

This product operates on 24 VAC.  
Electrical requirements:  
.85 Amp@24V 20 Watt 60Hz.

PRIMARY WIRES	SECONDARY WIRES	Class 2
Bln - 277 Vac	Wht/Whi - 24 Vac	
Org - 240 Vac		
Red - 208 Vac		
Whi - 120 Vac		
Blk - Comm	Wht - Comm	
Secondary Wht/Whi wire in phase with Primary Blk wire.		



Not included: 40 VA transformer  
Higher value may be required when  
adding a second lamp

Recommended:  
Separate dedicated  
Transformer

### 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 replacing lamps or servicing.

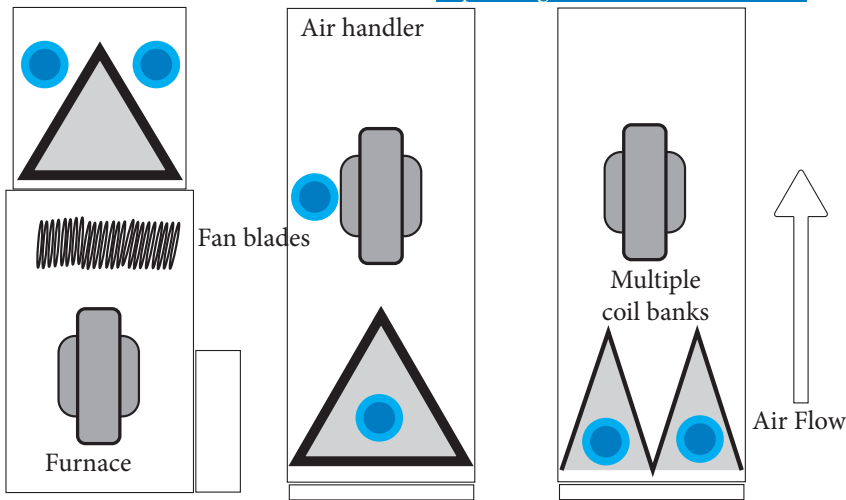
**WARNING:** Severe eye damage or temporary blindness may occur.

**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.

Multiple UV Lamps may be desired  
depending on installation criteria

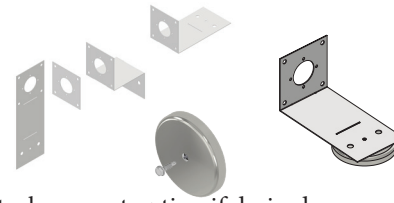


Recommended option: EZ-light -6P kit  
allows for the addition of a second lamp.  
Sold separately, includes lamp, shield and cable.



## Step 1: Turn off / Disconnect power.

Adapt the flex bracket for installation:



Attach magnet option if desired

Lamp shield may be used to  
protect filters from UV rays.



Note: the shield is optional and  
not required.

1. Install lamp(s)
2. Route lamp lead(s) to electronics are of the HVAC equipment
3. Install separate dedicated 40 VA Transformer (not included).  
**NOTE: A higher VA value may be required for multiple lamps.**
4. Install UMX power supply.
5. Connect lamp lead via 6 pin connector
6. Connect 2 conductor barrel connector to Transformer
7. Polarity does not matter.
8. Plug barrel connector into power supply
9. Apply UV warning labels to HVAC system.
10. Replace any service access panels
11. Apply power.

