

UV Lamp monitor instruction / explanation:

LED Color	Audible Alarm	Status
Blue	None	System operational
RED	Alerts for 2 seconds 5X then repeats once every 5 hours until reset	UVC lamp failure- replace lamps, apply power press RESET (under cover) for 10 seconds or until blue LED turns on
Flashing RED 2 seconds	Alerts for 2 seconds 5X then repeats once every 5 hours until reset	Lamps have exceeded life span with no service, replace lamps follow steps above.
Pulsing RED Every second	Alerts every 1 second.	UV lamp(s) are not illuminated

Replacement lamps:

12" nominal length (UMX12*** units) = AS-IH-1001

14" nominal length (UMX14*** units) = AS-IH-1024

17" nominal length (UMX19*** units) = AS-IH-1003

Warranty:

Ultravation warrants this product against any defects in material or workmanship for a period of 10 years after date of installation (minimum expected lifetime of product within normal operating conditions), except for the Ultraviolet Lamp, which is 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 during the warranty period, Ultravation will elect to repair or replace the product free of charge.

Ultravation will return repaired or replaced warranted products pre-paid, 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 Ave. Brandon, VT 05733

DC-OM-UMX Rev 4

866-468-8247 www.ultravation.com

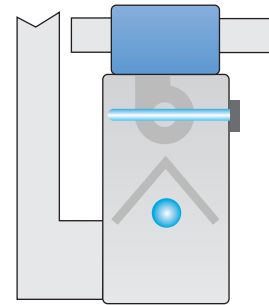


Ultravation[®] **UltraMAX**^{GOLD}[™]
 Better Air | Better Water | Better Living™ **EXTREME**

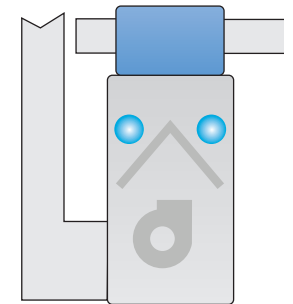
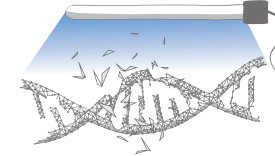


Lifetime Warranty

Germicidal UV light system for HVAC air and surface disinfection

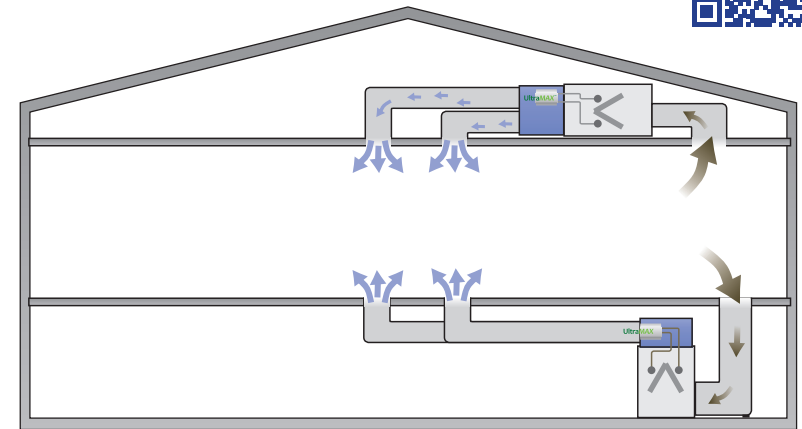


Typical Air Handler



Typical Furnace

Quick Installation Guide
 Scan code for more detailed instructions



Models:

UMX-1224T / UMX-1924T / UMX-12242T / UMX-19242T – 24v Power Input with Remote Mount Lamps

UMX-1200T / UMX-1900T / UMX-1202T / UMX-1902T – 120v Power Input with Remote Mount Lamps

UMX-1424T / UMX14242T – 24v Power Input with Remote Mount 3 Year Lamps

UMX-1400T / UMX1402T – 120v Power Input with Remote Mount 3 Year Lamps

Shipping contents:

1 UV Module with 1 or 2 lamp leads	10 3/4 " self tapping screws (module mounting and flex bracket)
1 or 2 UVC Lamps	1 UVC warning label
1 or 2 Lamp shields	1 Warranty card
1 or 2 Flex mounting Brackets	1 view port label
4 8-12 self tapping lamp screws	1 view port snap in lens
2 wire nuts (24V only)	2 foam lamp mounting gaskets (external mount)

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. Turn off power before re-lamping or servicing.

WARNING: Severe eye damage or temporary blinding may occur.

WARNING: DO NOT operate outside of Air Handler. Mount lamp base to duct first.

WARNING: No openings in duct are 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.

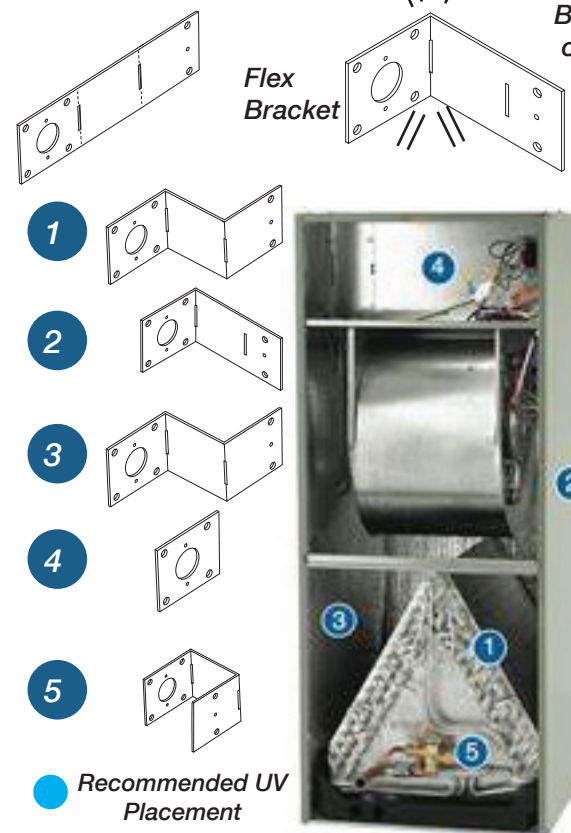
Notice: All wiring inside of the duct or air handling system in direct line of site of the UV lamp must be shielded with aluminum foil tape or equivalent non-combustible material. When installing this unit, select a mounting location that prevents ultraviolet light exposure to plastic flexible duct liner or other plastic components with unknown resistance to ultraviolet light. Ultraviolet light may cause color shift or structural degradation of plastic HVAC components.

Disclaimer: The health aspects associated with the use of this product and its ability to aid in disinfection of environmental air have not been investigated by UL

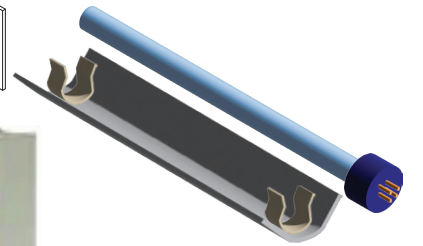
Determine mounting of lamp(s).
Note:
 Furnace: 2 lamp systems are recommended on the exit side of the coils.
 Air Handlers: 1 lamp within the A of the coil, additional lamps may be need for the blower assembly or for N or W shaped coils.

Use lamp screws to secure lamp to flex bracket

Use HEX screws to secure power supply and flex bracket mounting



Bend several times to break or once for desired shape



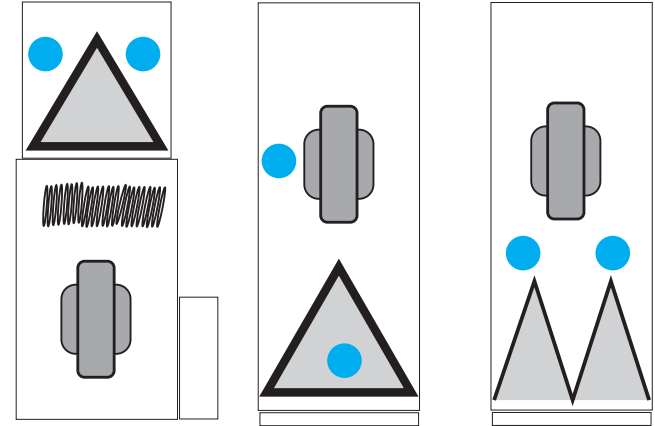
Optional light shields to block any unwanted UVC exposure.

Installation:
 Disconnect power
 Remove any necessary service panels.
 Mount all lamps, leads, electrical enclosure.

The electrical enclosure is designed to be installed on the exterior of the HVAC system.

Electrical connections for 24 VAC systems should use a separate dedicated 24VAC 40 VA. transformer (not supplied).

Line voltage should be either plugged into a 120 v socket or hardwire per local code. The UMX automatically adjusts from 120-277 VAC.
 Re-apply panels, power.
 Check LED status.



Installation for UV View port:

1. Find a location on the air handler or ductwork that will be visible and be in direct line of site of UVC light.
2. Affix View port label to air handler or ductwork.
3. Drill a 3/8" hole through label and air handler or ductwork in marked location on label.
4. Press in UV view port until it snaps into place

