

# COMMERCIAL SERIES

## ENVIRONMENTAL SURFACE DISINFECTION

# INSTALLATION & MAINTENANCE

The Environmental Surface Disinfection System (ESDS) from Fresh-Aire UV® Commercial Series addresses the need for surface disinfection in spaces that are prone to biological contamination or where biohazards must be kept to an absolute minimum. ESDS uses germicidal UVC light to disinfect room surfaces **when the area is unoccupied**.

The UVGI system features overhead mounted high-output germicidal UVC light fixtures. Each unit comes with an internal electronic power supply. The Fresh-Aire UV lamps included with ESDS are of the highest quality hard quartz and are encased in a shatter-proof Teflon safety coating.

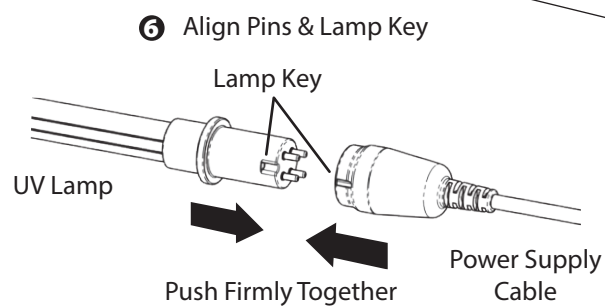
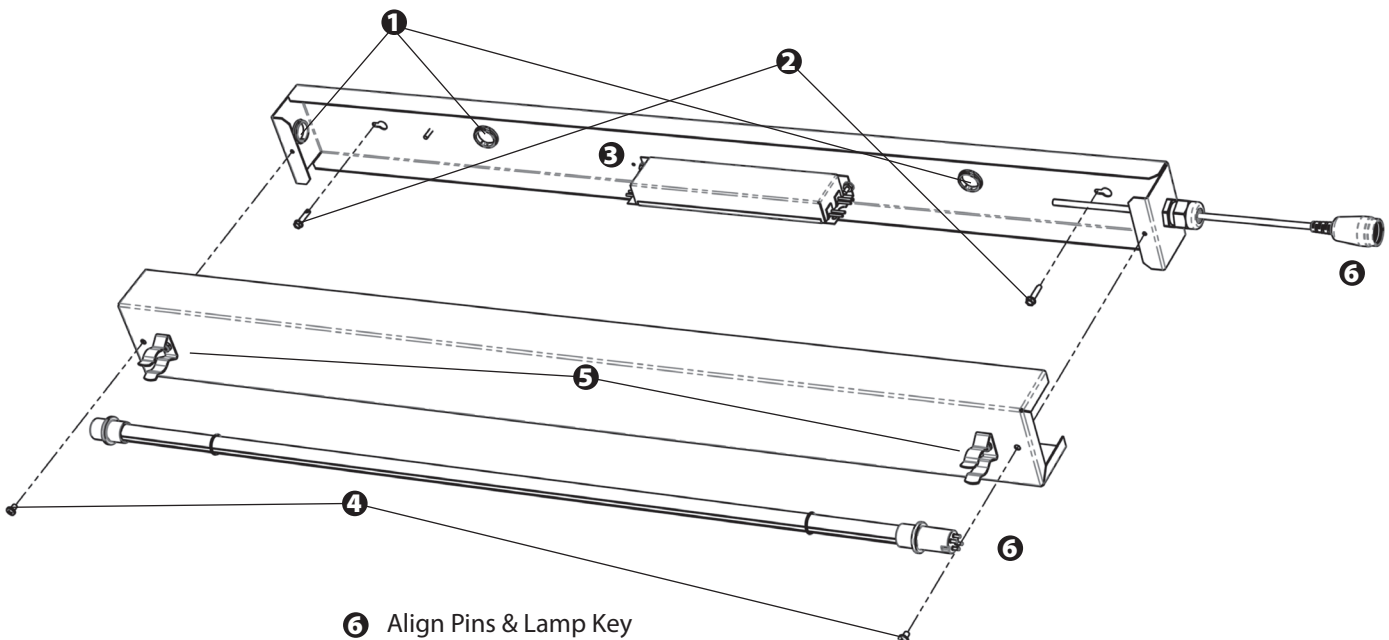
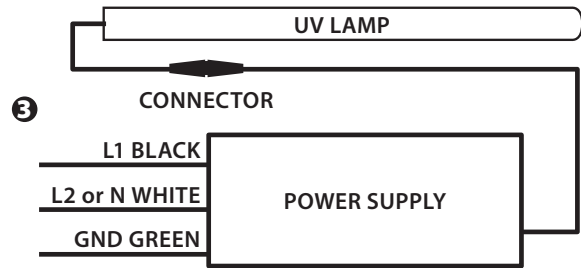
- 1 Determine mounting location and remove one of the plastic caps to bring electrical power in to the fixture
- 2 Use screws to attach fixture base to mounting surface
- 3 Connect power to ballast (supply power 120 - 277VAC, 2A)  
- see wiring diagram
- 4 Replace cover using screws
- 5 Insert UV lamp into lamp clips
- 6 Connect lamp and cable

**WARNING**  
PROTECT EYES FROM UV LIGHT  
TURN OFF UNIT OR DISCONNECT  
BEFORE SERVICING

**IMPORTANT!**

- Only qualified technicians should install this product\*
- Install in accordance with relevant building codes
- Read instructions carefully including safety warnings
- Use optional Safety Interlock Switch (TUV-INTLCK) or a Fresh-Aire UV Control Panel (TUV-CP) to prevent accidental exposure.

\*Installation of this product by anyone other than licensed HVAC or electrical contractors voids warranty.



# FRESH-AIRE UV® COMMERCIAL SERIES

Fresh-Aire UV® lights save energy by reducing microbial growth inside HVAC systems, lower maintenance costs and reduce maintenance workers exposure to chemicals while improving indoor air quality. Our commercial systems are renowned for their quality materials, innovative features, ease of installation, and flexible mounting options. Most feature our advanced multi-voltage water-resistant power supply. All come with the Fresh-Aire UV® Lifetime Warranty on all parts except lamps.

## Standard Commercial UV Light System

Standard 32" lamps with L-brackets for easy installation. Choose 32", 46", 60" normal-output or 32" high-output lamps. Combine single, dual, triple, quad lamp configurations to suit any size HVAC installation.

## Tubular Rack System

The Fresh-Aire UV® Tubular Rack System offers easy, flexible installation of multi-lamp configurations. The Tubular Rack System is installed using supports made with standard ½" EMT tubing (not included). You can also choose to have custom steel tubing prepared for you by Fresh-Aire UV®. The system includes all the hardware necessary for mounting.

## APCO® Rack System

Same as our Modular Rack System with the addition of activated carbon cells for photocatalytic VOC reduction.

## Airborne Duct System

Features High-Output lamps for air-steam disinfection. Ideal for hospitals, clean-rooms, and other IAQ priority situations.

## Panel Mount System

Installs in hard to reach areas by allowing access to the coil from the outside of the air system.

## Tight-Fit Kit™

### Manufacturer's Warranty:

This warranty supersedes and replaces any warranty statements orally made by the Sales Person, Distributor or Dealer or contained in the written instructions or other Brochures or informational documents in relation to this product. This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

**What Does This Warranty Cover?** This lifetime limited manufacturer warranty covers any defects or malfunctions in material and workmanship under the normal use and service when operated and maintained in strict accordance with manufacturer's instructions for the Lifetime of the equipment.

**How Long Does The Coverage Last?** 1) Fresh-Aire UV Power Supply: For as long as you own the real property where the product is installed. 2) TUVCL-1XX Series Ultraviolet Lamp is warranted for germicidal output for one-year from the date of installation. 3) TUVCL-2XX Series Ultraviolet Lamp is warranted for germicidal output for two (2) years from the date of installation. This warranty is not transferable.

**What Will Triatomic Environmental, Inc. Do?** Triatomic Environmental, Inc. will replace any defective or malfunctioning part at no charge. You must pay any labor charges and shipping charges of defective product to our warranty department.

**What Does This Warranty Not Cover?** THIS PRODUCT IS NOT INTENDED TO BE PURCHASED AND INSTALLED BY UNLICENSED HVAC OR ELECTRICAL CONTRACTORS. This warranty does not cover products or parts purchased from any source other than licensed HVAC or electrical contractors. This warranty does not cover parts installed by unlicensed HVAC or electrical contractors. This warranty does not cover parts damaged as a result of misuse, abuse, or any use other than its intended use, accident, acts of god, neglect, or from improper operation, maintenance, installation, modification or adjustments. Triatomic Environmental, Inc. shall have no responsibility for charges incurred by the customer for installation or removal of warranted items.

This warranty does not cover parts or equipment used with the Fresh-Aire system that are not manufactured by Triatomic Environmental, Inc.

\*\*This warranty shall be void if UV lamps from manufacturer's other than Triatomic Environmental, Inc. are used with this equipment.

Consequential and incidental damages are not recoverable under this warranty. Manufacturer assumes no liability for any harm, which may occur as a result of the use of the equipment herein and shall not be liable for consequential or any other damages whether or not caused by manufacturer's negligence or resulting from any express or implied warranty or breach thereof. Consequential damages for the purpose of this warranty shall include, but not be limited to, loss of use, income or profit, or loss of or damages to property or injury or death to persons or animals occasioned by or arising out of operation, use, the operation, installation, repair or replacement of the equipment or otherwise. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

There are no Warranties which extend beyond the description of the face hereof.

**How Do You Get Service?** In order to be eligible for service under this warranty you MUST return the warranty registration card or register online at [www.freshaireuv.com](http://www.freshaireuv.com). If something is wrong with your product, call your installing contractor to receive a Return Merchandise Authorization (RMA) and instructions for returning the product to a licensed distributor in your area or the manufacturer.

Once the product is returned, we will inspect your product and contact you within 10 business days of our receipt of the product to give the results of our inspection. If we determine that the product is covered under this warranty, we will ship to you at no additional cost a replacement part. Replacement parts may be refurbished. If we determine that the product is not covered under this warranty, or that this warranty is void, the product will be returned to you COD. There is no charge for inspection.

**How Does State Law Apply?** This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

# WWW.FRESHAIREUV.COM

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DESIGNED &  
ASSEMBLED  
IN THE U.S.A.