

Installation Notes

APCO is usually installed on the supply side duct just above the air system but can also be installed on the return side if necessary.

The APCO unit should be oriented so that the air flows past the UV Light first then into the Matrix Element. If necessary invert the APCO unit so the UV light does not shine directly on non-uv-resistant filter media. If possible orient APCO so UV light shines on the cooling coils.

If a second optional UV lamp is used (APCO Dual) select a location inside the air system that will allow it to shine on the greatest surface area or the area with the most evident microbial growth. To install the secondary UV light use the Optional 2nd Remote UV Light Installation Instructions provided with APCO Dual.

Typical installations include

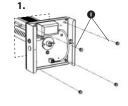
A Furnace installation

Air handler installation

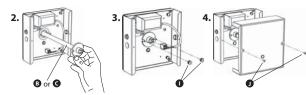
ß Air Handle 0 Furnace Optiona 2nd UV Lamp Optional 2nd UV Lamp return duct with Filter light shining away from filter media

Attach Power Unit to Duct & Mount UV Lamp

- 1. Fit the APCO[®] Main Unit through hole in duct. If attaching directly to metal duct use (4) Self-tapping Screws. If the Backing Plate is used fit the unit over the threaded posts and use (4) Quick Nuts to secure it.
- 2. Insert UV Lamp.
- 3. Mount UV Lamp using (2) Quick Nuts and attach lamp connector (be sure to align the four connector pins).
- 4. Attach the cover with machine screws



TUVL115 (1 Year)



IMPORTANT!

Systems with high 24 VAC loads may require the installation of a separate 24 VAC transformer to power the UV light.

Always use a separate 24 VAC transformer with "communicating" air systems and all APCO Dual (TUV-APCO-DER) models.

Draws 16 VA, may need to do load calculation: Volts under load X Amps under load.

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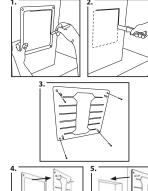
6 Lamp Replacement

The germicidal UV lamp in APCO needs to be replaced periodically. TUVL115 lamps should be replaced every year. TUVL215 should be replaced every 2 years. Note: UV lamps will continue to emit visible light but lose germicidal effectiveness over time. You can upgrade to a 2 year lamp with your existing APCO Power Unit.

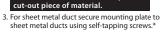
CAUTION! Hg

UV lamps contain small amounts of mercury - dispose of lamps in accordance with local environmental regulations. For more information visit www.lamprecycle.org Note: Use of replacement UV lamps other than Fresh-Aire UV® voids warranty.

TUVL215 (2 Year)



2 Duct Mounting

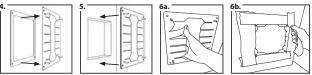


IMPORTANT! Remove and dispose of

1. Use gasket to trace cut-line onto duct.

2. Cut hole in sheet metal or duct board

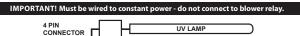
- 4. Remove paper backing from one side of gasket and fix gasket to the back of the mounting plate.
- 5. Remove paper backing from back of gasket then fix mounting plate and gasket to the duct.
- 6. Bend mounting plate flanges around the edges of the hole to secure mounting plate. For duct board use tape on edges of mounting plate for air leaks and additional hold.
- * To install APCO without backing plate mount with (4) self-tapping screws.

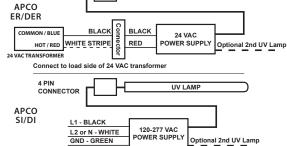


Connecting to Power

IMPORTANT

Before connecting to power confirm which APCO model is being installed. Turn off main power source before installation. Always use proper conduit fittings and terminations. Model information is printed on the Power Unit cover.





Connect to load side of HVAC

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 othe rochures 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

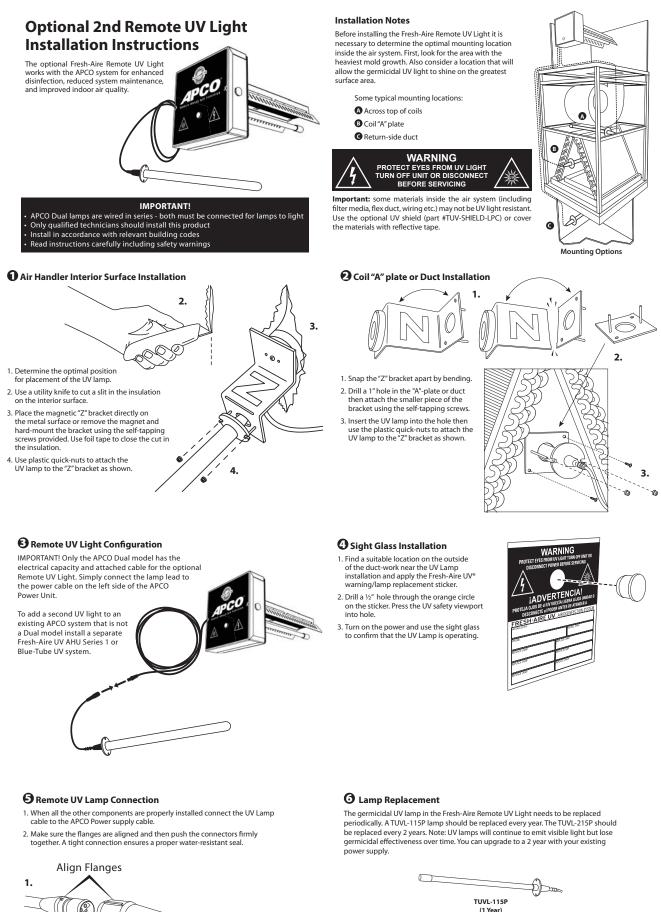
State to State. **What Does This Warranty Cover?** This lifetime limited manufacturer warranty covers any defects or malfunctions in material and workmanship under the normal use and service when operated and maintained in strict accordance with manufacturer's instructions for the Lifetime of the equipment. **How Long Does The Coverage Late 11** (Power Supply: For as long as you own the erall property where the product is installed. JUNUE 11 (Power Supple: The association of the strict and the st

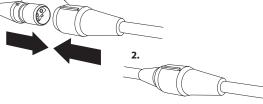
charges and shipping charges of defective product to our warranty department. What Does This Warranty Not Cover? THIS PRODUCT IS NOT INTENDED TO BE PURCHASED AND INSTALLED BY UNLICENSED HVAC OR ELECTRICAL CONTRACTORS. This warranty does not cover products or parts purchased from any source other than 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.

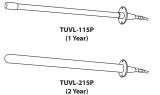
This warranty does not cover parts or equipment used with the Fresh-Aire UV system that are not manufactured by Triatomic Environmental, Inc. **This warranty shall be void if UV lamps from manufacturer's other than Triatomic Environmental, Inc. are used with this equipment.

**The warranty shall be void I/UV lamps from manufacture's other than Triatomic Environmental, ILe, are used with this equipment. Consequential and indicated Jamagas era on tercoverable under this warranty. Manufacturer assumes not allability for any hann, which may occur as a result of the use of the equipment herein and shall not be liable for consequential or any other damage whether or not caused by manufacturer's neighnere or resulting from any express or implied varranty or breach theree. Consequential damages for the purpose of this warranty. Manufacture samples on the limited to, loss of use, income or profit, or loss of or damages to property or injury or death to persons or animals occusioned by or arising out of operation, use, the operation, installation, repair or reduction may not apply to you.

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.freshaireux. com. If something is wrong with your product, call your installing contactor to receive a Return Merchandise Authorization (MAA) and instructions for returning the product to a licensed distribution iyou are of the manufacturer. Once the product is corrected under this warranty, we will ship to you at no additional costs a eplacement part. Replacement parts may be refurbished. If we determine that the product is corrected under this warranty, we will ship to you at no additional costs a eplacement part. Replacement parts may be refurbished. If we determine that the product is corrected under this warranty, we will ship to you at no additional costs a teplacement parts may be refurbished. If we determine that the product is corrected under this warranty, we will ship to you at no additional costs are placement parts may be refurbished. If we determine that the product is corrected under this warranty is will be to you at no additional costs are placement parts may be refurbished. If we determine that the product is corrected under this warranty is will be product will be truement by you. Divers in on 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.







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