

# Warnings & Installation Instructions for UV Air Purifier for HVAC COIL 24V 14" with magnetic Z bracket

Congratulations on your purchase! Your UV air purifier with magnet can be easily installed with powerful UV results to control microbes, reduce allergens and irritants such as viruses, bacteria, mold, etc. in any HVAC system (up to 5 tons).

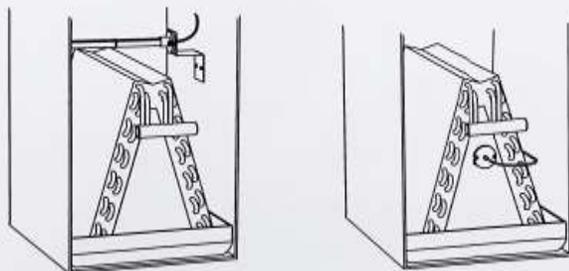
## PLEASE READ THESE WARNINGS CAREFULLY PRIOR TO INSTALLATION:

- (1) Never expose eyes or skin to the UVC light from any source. Looking directly at UVC light may cause eye damage, or even blindness never operate the UV air purifier outside of the ventilation ducts. Only install in a closed duct system, not at any vented openings.
- (2) UV lamps contain mercury vapor. Never touch broken lamp glass when you open the tubes which contain the UV lamps inspect carefully. If a lamp is damaged, cracked, or broken, do not touch bulb or any other contents. Do not touch the bulb without globes.
- (3) In case of accidental exposure to broken glass from a UV lamp, wash hands and any other skin area that came in contact with soap & water. Remove affected clothing immediately. If skin is cut or scraped seek medical attention immediately.
- (4) Before installing or servicing your UV lamp, turn off the main power switch or the main breaker on your unit. Electrical shock can cause injury or death.

## BEFORE INSTALLING

Read all warnings above. Failure to do so could damage the equipment or cause harm to yourself or others. Only qualified technicians should perform the installation.

### 1 Choose Installation Type



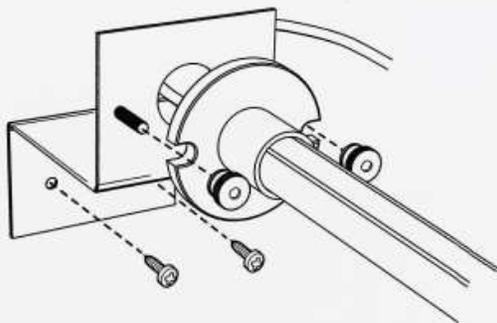
Above A-Coil/Slab Coil

A-Coil Delta Plate

Choose desired installation type/ location. Use the custom bracket to install the UV lamp anywhere inside the air handler. Or use the exclusive mounting flange to install the UV lamp directly in the coil delta plate.

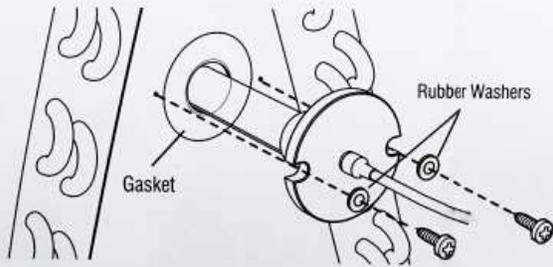
**IMPORTANT:** Clean the lamp prior to installation. Use a cotton cloth to remove dirt and fingerprints. Failure to clean the lamp could shorten the lamp's lifespan.

### 2 A-Coil/Slab Coil Lamp Installation



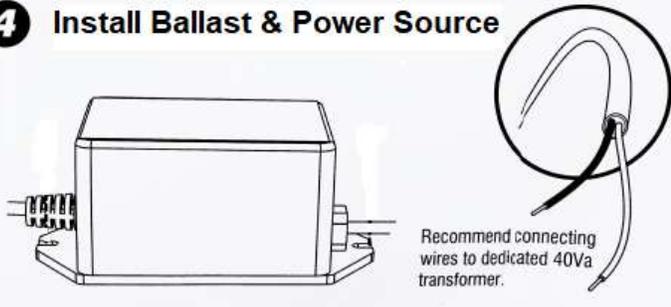
Disconnect power to the air handler and open access panels. "MAG" Bracket Installation -Slit insulation on the back or side wall of air handler and attach A-magnetic bracket to the wall. Note: If not using magnet, remove the magnet and use any self-tapping sheet metal screws to mount the bracket in the desired location. Secure the lamp to the lamp bracket with the provided screws.

### 3 A-Coil Delta Plate Lamp Installation



Drill a 7/8 " hole into the delta plate. (Use bracket as reference). Insert lamp directly into hole and secure the lamp to the delta plate with two any self-drifting screws (size may vary).

### 4 Install Ballast & Power Source

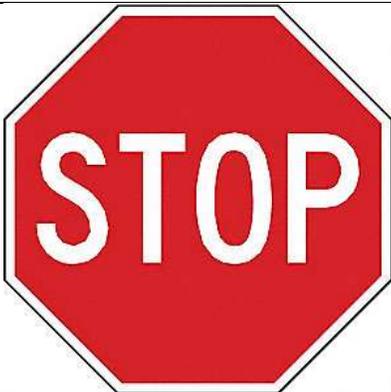


Install the ballast in a suitable location inside the control panel of the air handler using tie-wraps or similar to secure it (some model have screw holes). Connect the power to **continuous** 24V power source.

**IMPORTANT:** Please use a voltmeter to make sure you connect it to a 24VAC source to avoid damaging the ballast.

#### Installation Notes:

- Make sure there is air flow thru the UV bulb. If the UV lamp is installed on the in-let side (return air side) of a coil, make sure that the HVAC system is configured such that the blower is located between the return air filter and the in-let of the coil, such as would be found in a traditional up-flow, or horizontal furnace with the coil placed after the heat exchanger.
- If the UV lamp is installed near an air filter, check with filter manufacturer for UV-C resistance properties.
- If the desired UV installation location is intended to irradiate an air filter, to neutralize the microbiological matter on the air filter surface, take the necessary precautions make sure the UV bulb is placed on the return side of the filter. **DO NOT INSTALL THE UV BULB ON EITHER SIDE OF THE AIR FILTER IN HALL OR CLOSET A/R APPLICATIONS.**
- UV bulbs should be replaced yearly (assuming continuous power source is provided). Please make a calendar note to check the bulb is working properly very 3 or 6 months. Note: Applying non-continuous power will shorten the bulb's lifespan e.g. connecting it to a fan or blower that turns on and off.



#### Having trouble?

If you need help during the installation or to replace the bulb, visit <https://www.hqtelecom.com> or call 1-786-221-5997.

IF YOU PURCHASED IT WITHIN THE LAST 30 DAYS, AND NEED ANY HELP, CONTACT US. PLEASE DO NOT RETURN THIS ITEM BEFORE CONTACTING US FIRST!

#### Happy with your UV Lamp?

Please take a moment to post a feedback or review on the website you purchased it. We value your feedback, and many others can benefit from your comments.