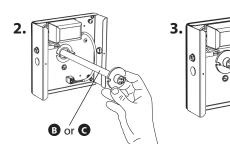
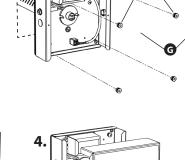
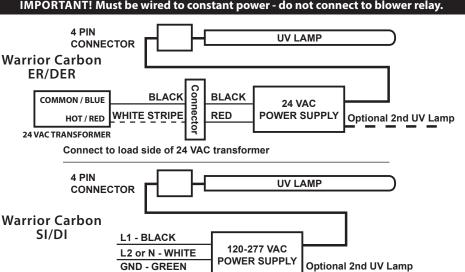


- 2. Insert UV Lamp.
- 3. Mount UV Lamp using (2) Quick Nuts and attach lamp connector (be sure to align the four connector pins).
- 4. Attach the cover with machine screws.







Connect to load side of HVAC

#### **IMPORTANT!**

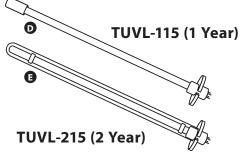
Systems with high 24 VAC loads may require the installation of a separate 24 VAC transformer to power the UV light.

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

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

## **G** Lamp Replacement

The germicidal UV lamp in Warrior Carbon needs to be replaced periodically. TUVL-115 lamps should be replaced every year. TUVL-215 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 Warrior Carbon 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 those above voids warranty.



# Register your product at: **www.iaqwarranty.com**

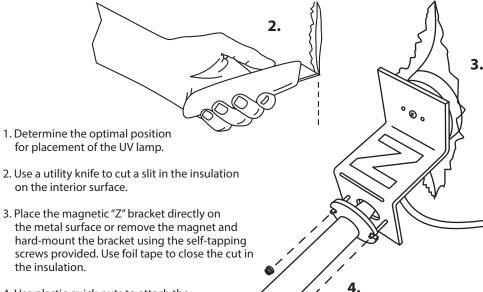
## **Optional 2nd Remote UV Light Installation Instructions**

The optional Remote UV Light works with the Warrior Carbon system for enhanced disinfection, reduced system maintenance, and improved indoor air quality.  $\bigcirc$ 0

#### **IMPORTANT!**

- Dual lamps are wired in series both must be connected for lamps to light
- Only qualified technicians should install this product
- Install in accordance with relevant building codes
- Read instructions carefully including safety warnings

### • Air Handler Interior Surface Installation



4. Use plastic quick-nuts to attach the UV lamp to the "Z" bracket as shown.

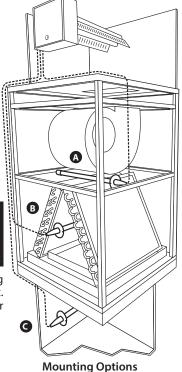


Before installing the Remote UV Light it is necessary to determine the optimal mounting location inside the air system. First, look for the area with the heaviest mold growth. Also consider a location that will allow the germicidal UV light to shine on the greatest surface area.

- Some typical mounting locations:
- Across top of coils
- B Coil "A" plate
- C Return-side duct

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

Important: some materials inside the air system (including filter media, flex duct, wiring etc.) may not be UV light resistant. Use the optional UV shield (part #TUV-SHIELD-LPC) or cover the materials with reflective tape.



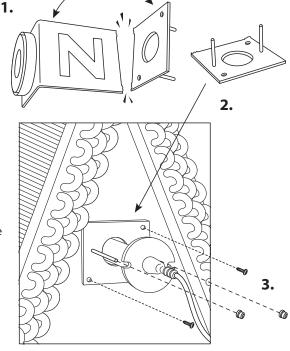
#### **Mounting Options**

## Ocil "A" plate or Duct Installation

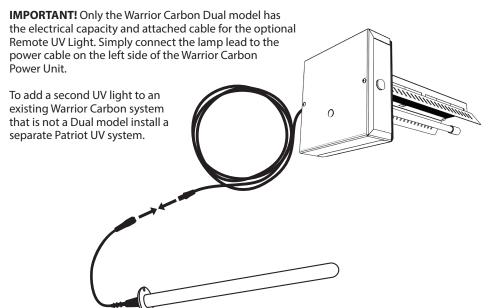


1. Snap the "Z" bracket apart by bending.

- 2. Drill a 1" hole in the "A"-plate or duct then attach the smaller piece of the bracket using the self-tapping screws.
- 3. Insert the UV lamp into the hole then use the plastic quick-nuts to attach the UV lamp to the "Z" bracket as shown.

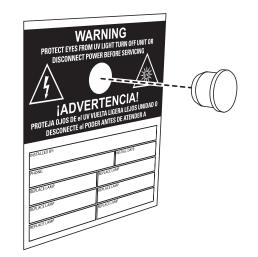


## **O** Remote UV Light Configuration



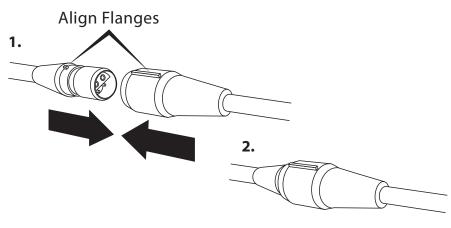
## O Sight Glass Installation

- 1. Find a suitable location on the outside of the duct-work near the UV Lamp installation and apply the warning/lamp replacement sticker.
- 2. Drill a 1/2" hole through the orange circle on the sticker. Press the UV safety viewport into hole.
- 3. Turn on the power and use the sight glass to confirm that the UV Lamp is operating.



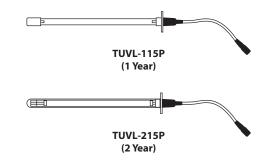
## **G** Remote UV Lamp Connection

- 1. When all the other components are properly installed connect the UV Lamp cable to the Warrior Carbon Power supply cable.
- 2. Make sure the flanges are aligned and then push the connectors firmly together. A tight connection ensures a proper water-resistant seal.



## **O** Lamp Replacement

The germicidal UV lamp in the Remote UV Light needs to be replaced periodically. A TUVL-115P lamp should be replaced every year. The TUVL-215P 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 with your existing power supply.





**CAUTION!** 

UV lamps contain small amounts of mercury - dispose of lamps in accordance with local environmental regulations. For more information visit www.lamprecycle.org