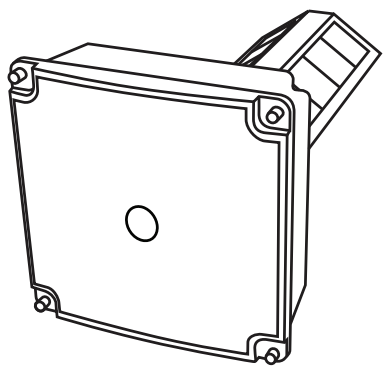




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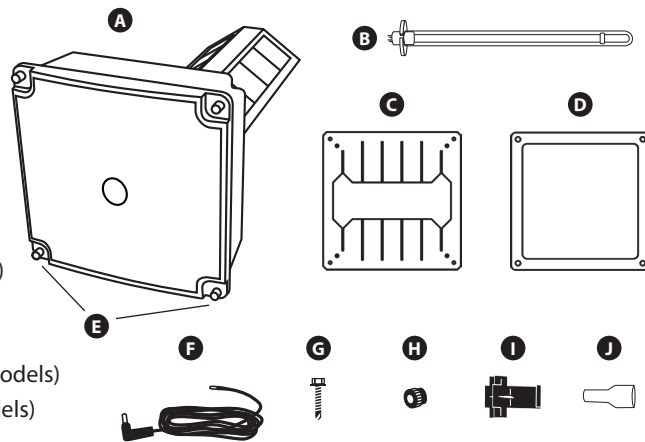


WARNING!

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

Parts List

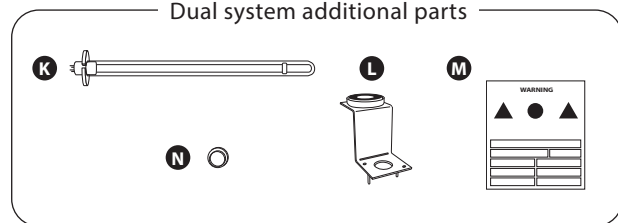
- A** Main Unit
- B** UV Lamp (3 Year)
- C** Duct Plate
- D** Gasket
- E** Thumb Screws (on cover)
- F** Power Cord (ER/DER Models)
- G** Self-tapping Screws
- H** Quick Nut (plastic)
- I** Tap-in Connector (ER/DER Models)
- J** Spade Connector (SI/DI Models)



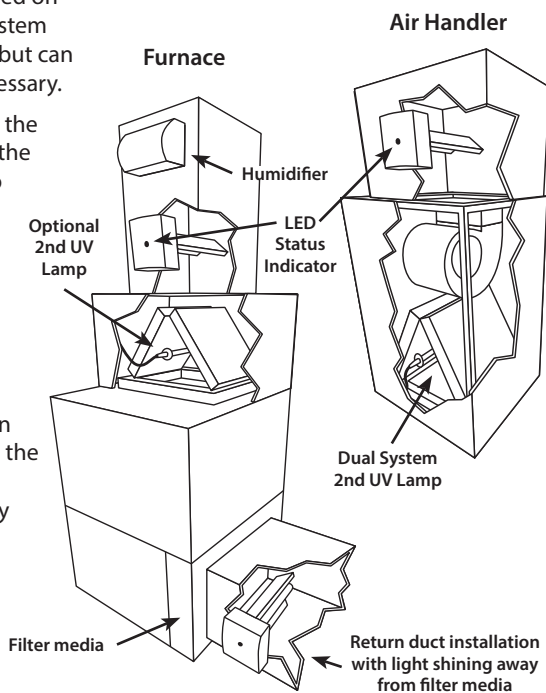
Dual system only

- K** Secondary UV Lamp (3 Year)
- L** Magnet Bracket
- M** Warning Sticker
- N** Sight Glass

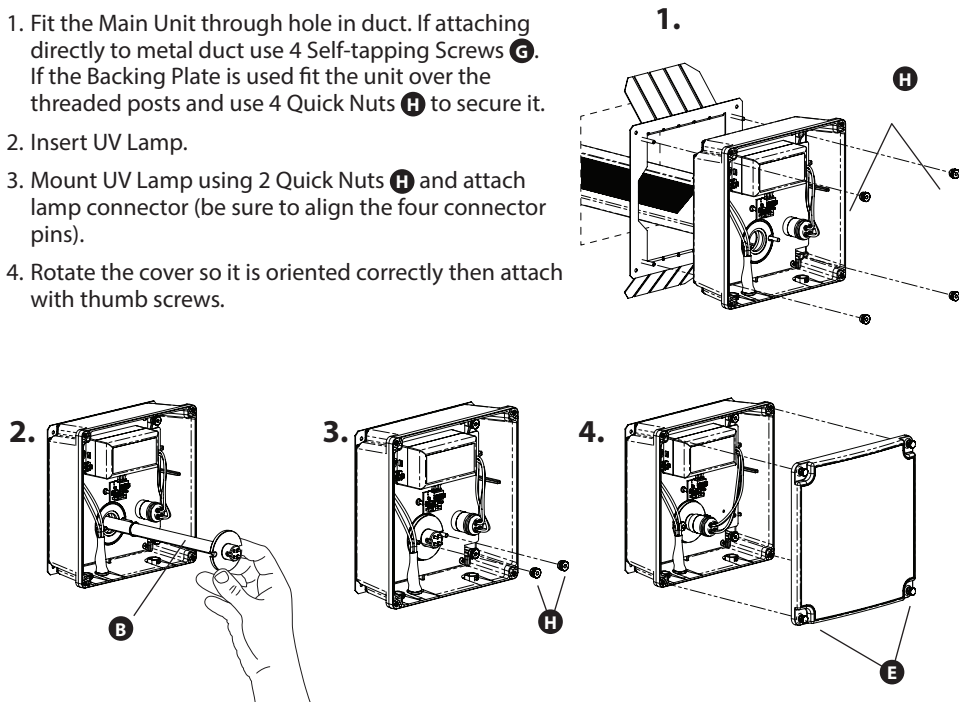
Dual system additional parts



Blue = Lamp status good
Red = Lamp status out



1. Fit the Main Unit through hole in duct. If attaching directly to metal duct use 4 Self-tapping Screws **G**. If the Backing Plate is used fit the unit over the threaded posts and use 4 Quick Nuts **H** to secure it.
2. Insert UV Lamp.
3. Mount UV Lamp using 2 Quick Nuts **H** and attach lamp connector (be sure to align the four connector pins).
4. Rotate the cover so it is oriented correctly then attach with thumb screws.



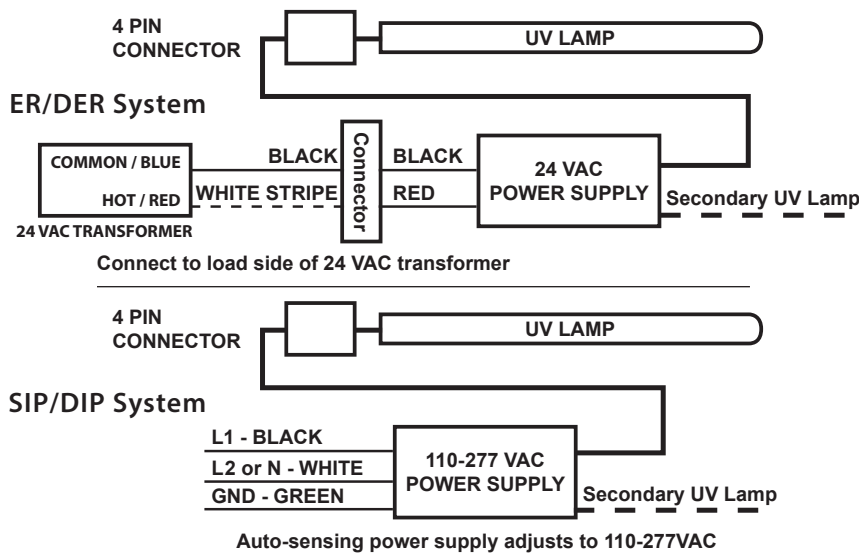
1. Use gasket to trace cut-line onto duct.
2. Cut hole in sheet metal or duct board.
IMPORTANT! Remove and dispose of cut-out piece of material.
3. For sheet metal duct secure mounting plate with Self-tapping Screws .*
4. Remove paper backing from one side of gasket and fix gasket to the back of the 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.

* If the backing plate can't be used install directly with 4 Self-tapping Screws **G**.

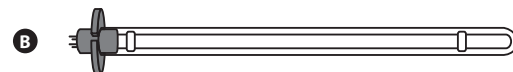
IMPORTANT

Before connecting to power confirm which 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.

IMPORTANT! Must be wired to constant power - do not connect to blower relay.



The UV lamp in the Air Treatment System (model TUVL- 315) should be replaced every 3 years. Note: UV lamps will continue to emit visible light but lose germicidal effectiveness over time.

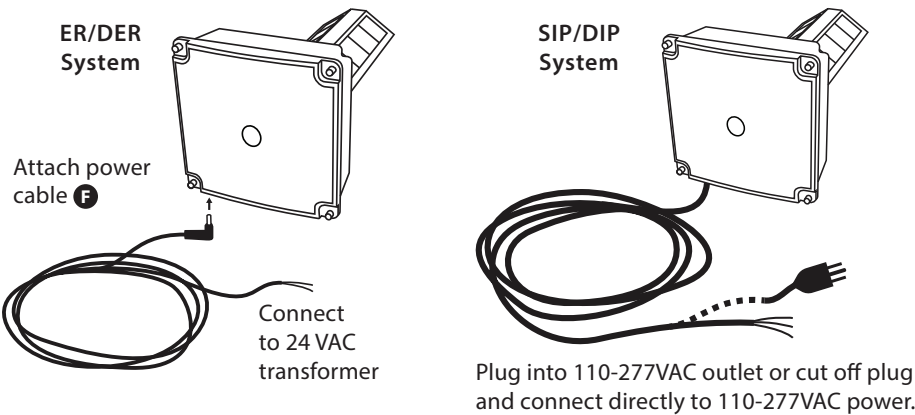


TUVL-315



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

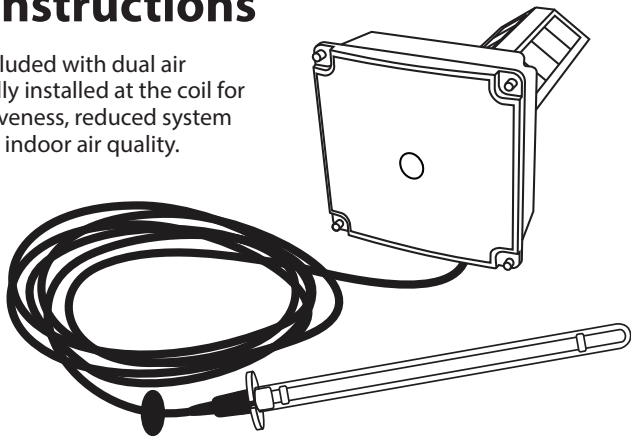
Note: Note: Use of replacement UV lamps other than TUVL- 315, TUVL- 215, or TUVL- 115 voids warranty.



Power cord plug can be removed to expose lead wires for hard wire applications and will retain Intertek ETL Certification.

Dual System Secondary UV Light Installation Instructions

The Secondary UV Light (included with dual air treatment systems) is typically installed at the coil for enhanced germicidal effectiveness, reduced system maintenance, and improved indoor air quality.



IMPORTANT!

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

Installation Notes

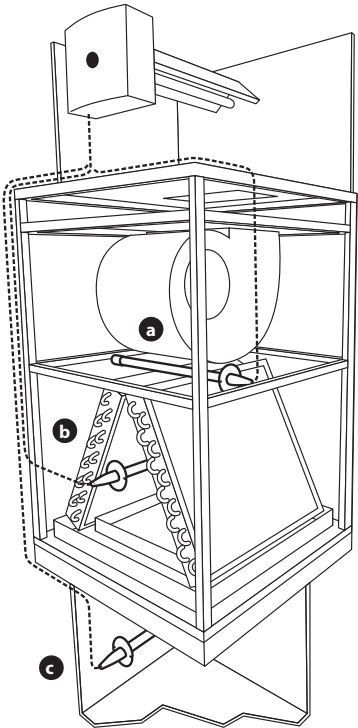
Before installing the Secondary UV Light it is necessary to determine the optimal mounting location inside the air system. First, look for the area with the heaviest mold growth. Also consider a location that will allow the germicidal UV Light to shine on the greatest surface area.

Some typical mounting locations:

- a** Across top of coils
- b** Coil “A” plate
- c** Return-side duct

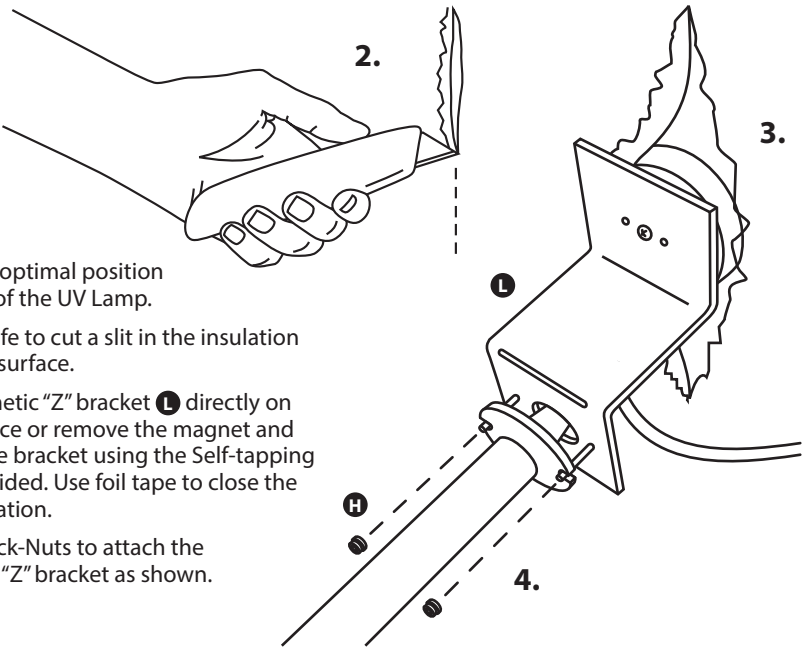
WARNING
PROTECT EYES FROM UV LIGHT
TURN OFF UNIT OR DISCONNECT
BEFORE SERVICING

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.



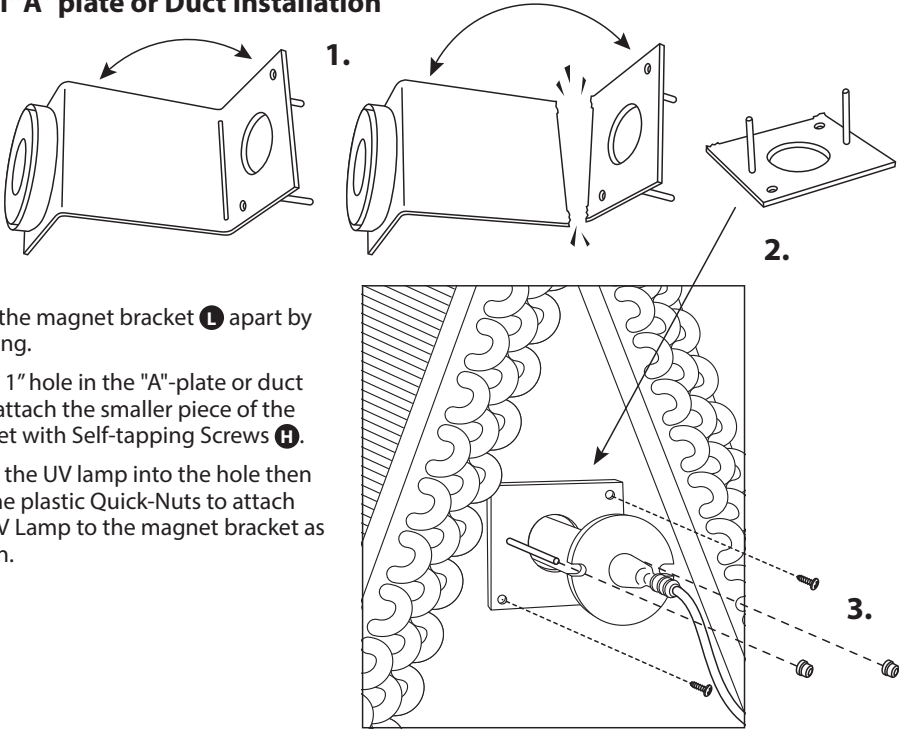
Mounting Options

1 Air Handler Interior Surface Installation



1. Determine the optimal position for placement of the UV Lamp.
2. Use a utility knife to cut a slit in the insulation on the interior surface.
3. Place the magnetic “Z” bracket **L** directly on the metal surface or remove the magnet and hard-mount the bracket using the Self-tapping Screws **H** provided. Use foil tape to close the cut in the insulation.
4. Use plastic Quick-Nuts to attach the UV lamp to the “Z” bracket as shown.

2 Coil “A” plate or Duct Installation



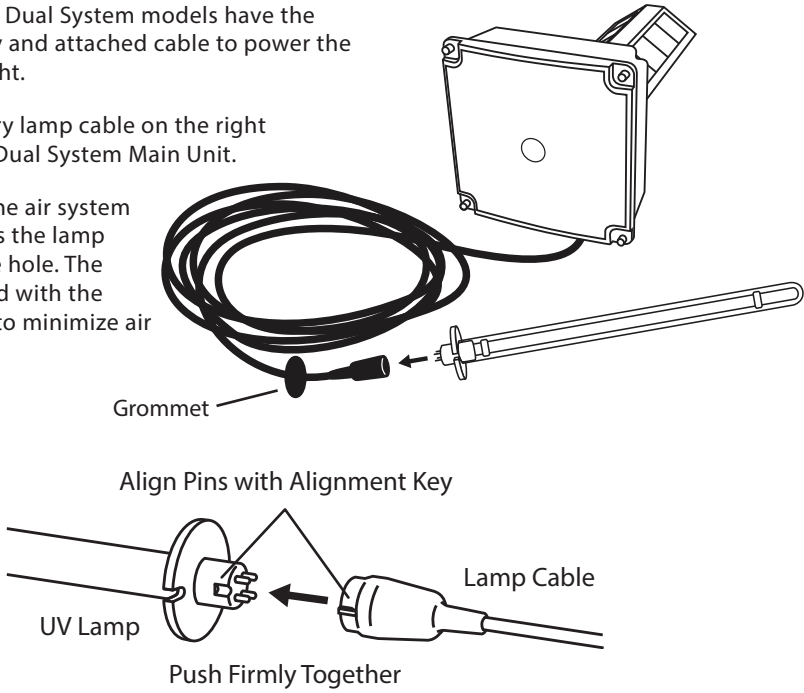
1. Snap the magnet bracket **L** apart by bending.
2. Drill a 1” hole in the "A"-plate or duct then attach the smaller piece of the bracket with Self-tapping Screws **H**.
3. Insert the UV lamp into the hole then use the plastic Quick-Nuts to attach the UV Lamp to the magnet bracket as shown.

3 Remote UV Light Configuration

IMPORTANT! Only Dual System models have the electrical capacity and attached cable to power the Secondary UV Light.

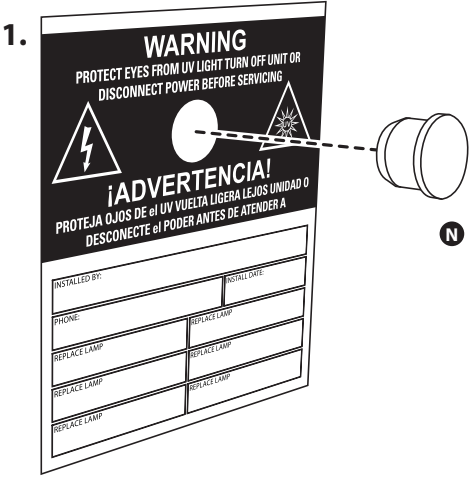
Find the secondary lamp cable on the right underside of the Dual System Main Unit.

Drill a 1” hole in the air system housing then pass the lamp cable through the hole. The hole is then sealed with the rubber grommet to minimize air leakage.



4 Sight Glass Installation

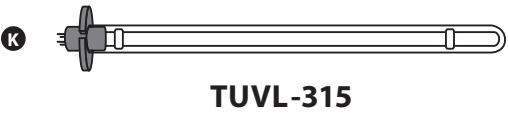
1. Find a suitable location on the outside of the duct-work near the UV Lamp installation and apply the warning/lamp replacement sticker **M**.
2. Drill a ½” hole through the circle on the sticker. Press the sight glass **N** into hole.
3. Turn on the power and use the sight glass to confirm that the UV Lamp is operating.



5 Lamp Replacement

The second germicidal UV Lamp **K** should be replaced every three years along with the primary lamp.

Note: UV lamps may continue to emit visible light after three years, however, germicidal effectiveness falls off over time and will quickly drop to near zero after three years.



TUVL-315



CAUTION!

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

Note: Note: Use of replacement UV lamps other than TUVL- 315, TUVL- 215, or TUVL- 115 voids warranty.