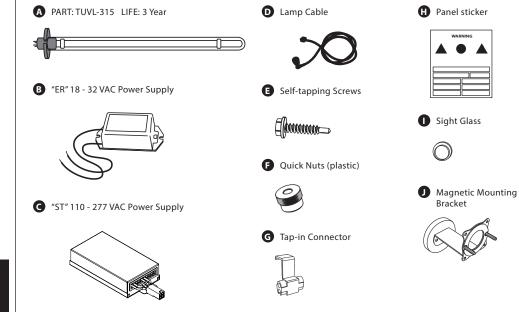


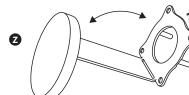
firmly together until latch catches.

Blue-Tube UV-X Parts*

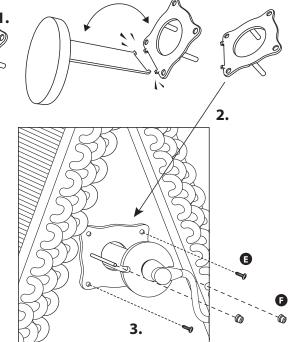


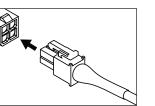
*Parts included with your kit will vary depending on model.

STEP 1B: Coil A-Plate or Duct Mounting



- 1. For A-plate and duct mounting start by snapping the magnetic mounting bracket apart by bendina.
- 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 magnetic mounting bracket as shown.

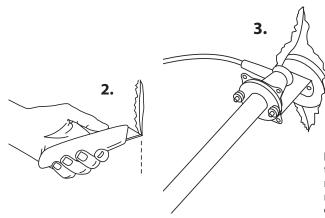




STEP 2: UV Lamp Installation

Surface Mount

- 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 mounting bracket directly on the metal surface or remove the magnet and hard-mount the bracket using the self-tapping screws provided. Use foil tape to close the cut in the insulation.





Typical UV lamp locations

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.

STEP 3: Power Supply & Electrical Cont.

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.

Draws 20 VA, may need to do load calculation: Volts under load X Amps under load.

STEP 4 : UV Warning Sticker & Safety Sight Glass

- 1. Find a suitable location on the outside of the duct-work near the UV Lamp installation and apply the Fresh-Aire UV[®] warning/lamp replacement sticker
- 2. Drill a ½" hole through the circle on the sticker. Press the Sight Glass **0** into hole.
- 3. Turn on the power and use the sight glass to confirm that the UV Lamp is operating.



STEP 3: Power Supply & Electrical

IMPORTANT! Check which power supply is included with your Blue-Tube UV-X before connecting to power. Turn off main power source before installation.

- 1. Find a suitable location for the power supply inside the control panel of the air handler. Install using the self-tapping screws.
- 2. Use the wiring diagrams to connect to power.

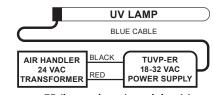
The low-voltage power supply connects to the air system's 24 VAC transformer (or add a 24 VAC transformer as needed).

Line-voltage power supplies connect directly to 120-277 VAC power.

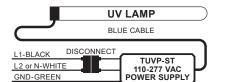
"ER" Power Supply LED functions

LEDs are visible through the translucent Power Supply housing.

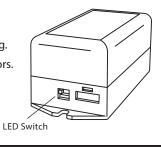
- 1. Confirm LED Switch is in left position to enable LED indicators.
- 2. Blue LED indicates normal operation.
- 3. Red LED indicates lamp fault
- 4. No LEDs indicates no power.



ER (low-voltage) models wiring



ST (line-voltage) wiring



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

Lamp Replacement

Germicidal UV lamps need to be replaced periodically. Systems will include one-year, two-year, or three-year UVC lamp(s).

Note: UV lamps will continue to emit visible light but they lose germicidal effectiveness over time.

PART: TUVL-315 LIFE: 3 Year



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: Use of replacement UV lamps other than Fresh-Aire UV® voids warranty.



WWW.FRESHAIREUV.COM

© Fresh-Aire UV* LIT-FAUV-BTX-MAN 022122