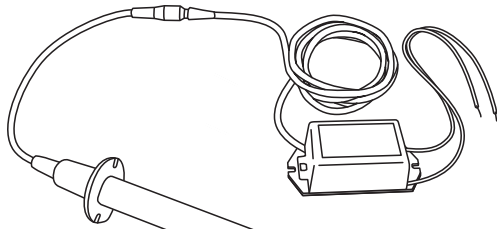


### Germicidal UVC Light Installation Instructions



The germicidal UVC light is installed inside the air handling system to reduce biological contamination for reduced system maintenance and improved indoor air quality.



#### IMPORTANT!

- Only qualified technicians should install this product\*
- Install in accordance with relevant building codes
- Read instructions carefully including safety warnings

#### WARNING!

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

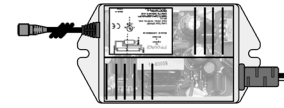
\*Installation of this product by anyone other than licensed HVAC or electrical contractors voids warranty.  
© ProIAQ

#### PARTS\*

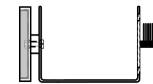
##### 1 UVC LAMP



##### 2 Electronic ballast, 24 Vac



##### 3 Magnet Mount U-bracket



##### 4 Harness, Sureseal plug with lamp plug, 90 degrees



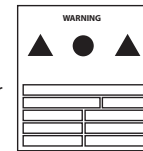
##### 5 (2) Thumb Nuts



##### 6 (2) Screws



##### X Panel Sticker



##### Y Sight Glass



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

#### STEP 1: UVC Lamp Installation

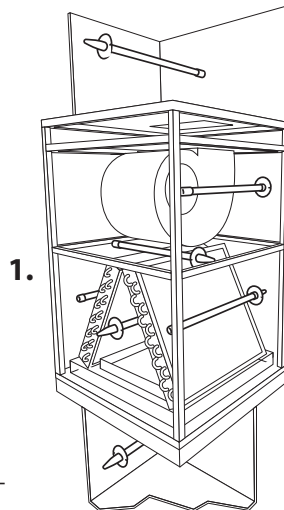
##### Surface Mount

1. Determine the optimal position for placement of the UVC lamp.
2. Use a utility knife to cut a slit in the insulation on the interior surface.
3. Place the magnetic "U" bracket directly on the metal surface or remove the magnet and hard-mount the bracket using the screws provided. Use foil tape to close the cut in the insulation.
4. Use thumb nuts to attach the UVC lamp to the "U" bracket.

##### A-Plate Mount

1. Use a Unibit or 3/4" hole saw to mount the lamp in the A Plate. With 2 self-tapping screws. Use only a handheld screwdriver to secure the base. Pressure from a drill could damage the lamp base.

**Note:** Do not mount within 18" of a non-UV rated filter.



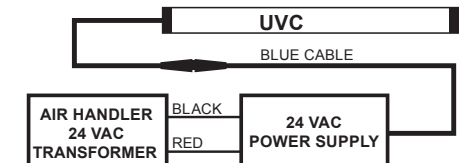
Typical UVC lamp locations

**Important:** some materials inside the air system (including filter media, flex duct, wiring etc.) may not be UVC light resistant. Use the optional UVC shield or cover the materials with reflective tape.

#### STEP 2: Power Supply Installation

**IMPORTANT!** Check which power supply is included with your germicidal UVC light 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.



"ER" low-voltage single lamp wiring

#### IMPORTANT!

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

## STEP 2: Power Supply Installation Cont.

### IMPORTANT!

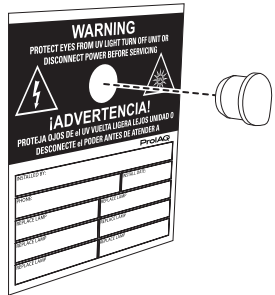
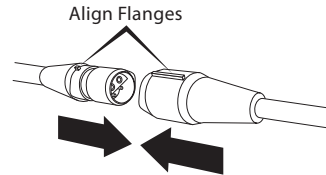
Systems with high 24 VAC loads may require the installation of a separate 24 VAC transformer to power the UVC light.

Always use a separate 24 VAC transformer with “communicating” air systems.

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

## STEP 3 : Lamp Connection

Connect lamp: make sure the flanges are aligned and then push the connectors firmly together. A tight connection ensures a proper water-resistant seal.



## STEP 4 : UVC Warning Sticker & Safety Sight

1. Find a suitable location on the outside of the duct-work near the UVC Lamp installation and apply the ProIAQ® warning/ lamp replacement sticker

## Lamp Replacement

Germicidal UVC lamps need to be replaced annually. Systems will include one-year UVC lamp.



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

**Indicator light for ballast operation:** Blue light on ballast indicates power-lamp on. Red light indicates power lamp off and that lamp replacement is necessary.

### CAUTION!

**UVC lamps contain small amounts of mercury. Dispose of lamps in accordance with local environmental regulations.**

**For more information visit [www.lamprecycle.org](http://www.lamprecycle.org)**

Note: Use of replacement UVC lamps other than ProIAQ® voids warranty.

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