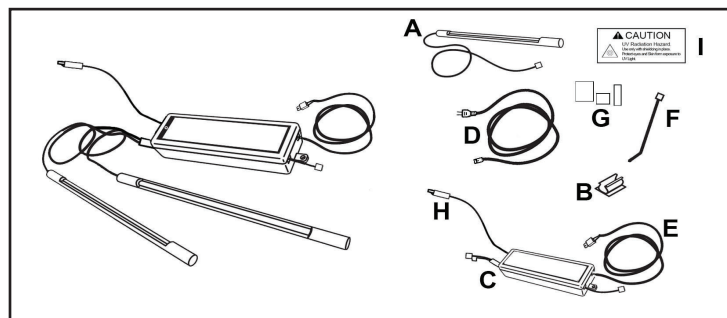


MiniSplitUV™

Installation & Operation Manual

MiniSplitUV Model UV-30DL improves air quality and fights biological contamination inside the air handling system. It extends the life of the air system and reduces maintenance costs.



Parts Included:

- A** UV Lamps
- B** Lamp Clips
- C** Ballast Assy
- D** 120V Plug
- E** Power Harness
- F** Zip Ties
- G** Adhesive Strips
- H** Air Flow Sensor
- I** UV Warning Sticker

IMPORTANT!

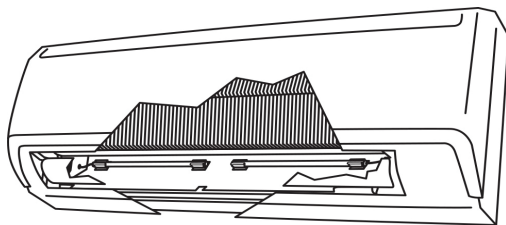
- Only qualified technicians should install this product
- Install in accordance with relevant building codes
- Read instructions carefully including safety warnings



WARNING: Never expose eyes or skin to UVC light from any source. Looking directly at the UVC light may cause permanent eye damage or blindness. Never operate the UV-30 DL MiniSplitUV in an open area and in view of any person.

Installation Notes

MiniSplitUV is used for mini split systems and other limited space applications. Because space is tight the best place for mounting the UV lights is usually inside the supply vent with the light shining onto the blower wheel (which is prone to the worst mold growth).



Cutaway view of typical MiniSplit UV® installation in mini split



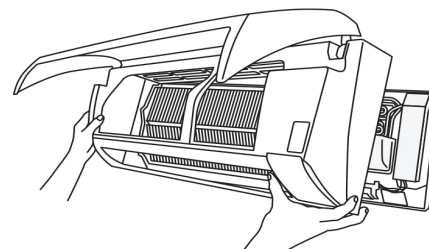
WARNING
PROTECT EYES FROM UV LIGHT
TURN OFF UNIT OR DISCONNECT BEFORE SERVICING



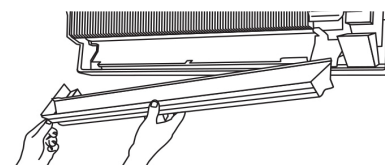
IMPORTANT!
Orient the UV lamps so that the light shines into the air system, not into the room.

Air System Preparation

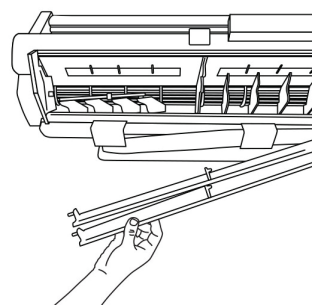
1. Remove cover.



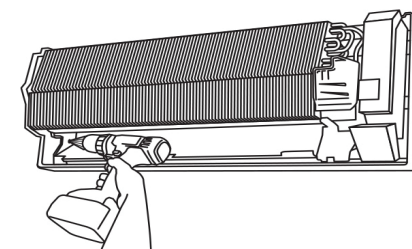
2a. Detach drain pan to access the area behind it.



2b. For systems with non-removable drain pan, remove louvers and baffles to access the area behind

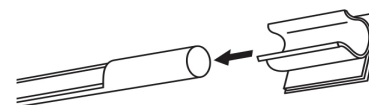
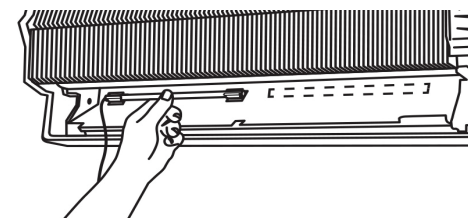


3. Drill holes to pass lamp cables through to back of unit as needed.



UV Lamp Mounting

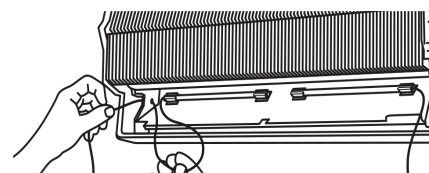
1. Determine the best location for the UV lamp clips and clean that area with an alcohol wipe. Slide the mounting brackets onto the ends of the UV lamps.



2. Peel off paper from the adhesive backing on the mounting brackets. Press the lamp with lamp clips firmly in place about 2" from blower wheel.

IMPORTANT!

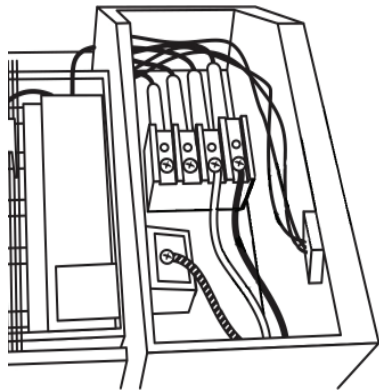
Rotate the lamp so the warning sticker is visible and the UV light shines on blower wheel and mold prone areas, ***NOT INTO THE ROOM.***



3. Pass the UV lamp cables through to the back of the AC system.

Power Supply Installation

1. Remove the control box cover and connect the wiring harness as shown.



Model: UV-30DL ballast wiring

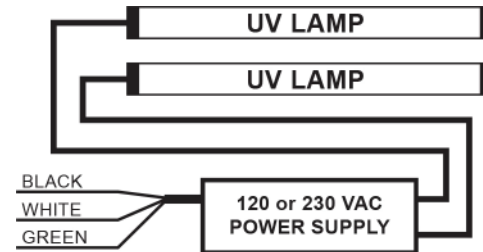
- Black to hot terminal
- White to neutral
- Green to ground

Model: UV-30DL ballast wiring

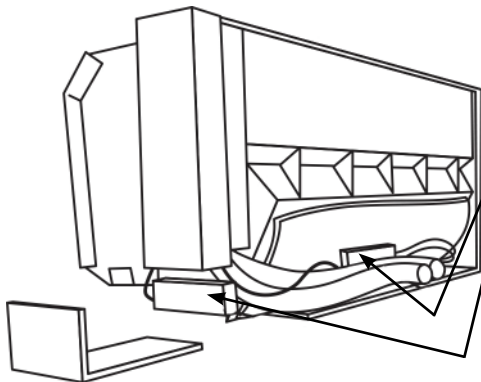
- Black to line 1
- White to line 2
- Green to ground

NOTE: Some indoor systems may require additional wiring to provide line voltage to the MiniSplit UV™ power supply.

2. Wiring Diagram



3. Insert the UV lamp cable connectors and wiring harness connector into the power supply.



4. Tuck the power supply into the line chase on the back of the AC unit or place it in or under the control box or other secure location.

5. Return power to the system and confirm that UV-30DL is working.

6. Apply the UV warning sticker in an appropriate location.

NOTE: It can take up to 10 minutes for the UV lamp to warm up and fully illuminate.

Lamp Replacement

The UV-30DL UVC lamp is to be replaced annually for optimum performance. Germicidal effectiveness falls off over time so uvc lamp replacement is necessary even if the lamps continue to emit visible light after one year.



Replacement lamp only with Part No. 602610100 Model DL-30LAMP

NOTE: Use of replacement UVC lamps other than Field Controls Healthy Home System specified replacement part number will void warranty.

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

Visit www.earth911.com and www.lamprecycle.org for more information.

This Instruction Manual may be downloaded and printed from the Field Controls website (www.fieldcontrols.com)

WARRANTY

For complete warranty details about this product or any Field Controls product, visit: www.fieldcontrols.com/warranty

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