

OPERATION

IMPORTANT: When the Sanuvox SR+ is turned on by pressing the POWER button, the RED LED on the POWER button will illuminate and the status LED will flash in alternate colors signaling the SR+ is warming-up. The warm-up will last approximately 45 seconds, after which time the unit will enter 'STANDBY-MODE'. THE UNIT WILL NOT FUNCTION UNTIL THE WARM-UP IS COMPLETE.

- Once the SR+ is in 'STAND-BY' mode, the unit will be waiting for airflow in order for the UV Lamp to turn ON. The SR+ has a built-in Thermistor that controls operation. When there is airflow the Thermistor changes temperature causing the SR+ Lamp to come on. When airflow stops, the SR+ UV Lamp will turn OFF accordingly.
- When in 'STAND-BY' and there is airflow, the SR+ UV Lamp will come ON and the LED will illuminate GREEN.
- When there is no airflow, the status LED will be OFF and the RED POWER Button LED will remain ON.

UNDERSTANDING THE LED STATUS DISPLAY

-  LED Solid GREEN = SR+ is ON with UV Lamp ON sensing airflow
-  LED Flashing GREEN = Warm up sequence lasting up to 45 seconds
-  LED Flashing ORANGE = UV Lamp has functioned for 3 years and is due for replacement.
-  LED Solid RED = UV Lamp has FAILED. Must be replaced
-  LED Alternating RED+GREEN = Thermistor Issue
-  LED OFF = Unit is on Stand-by (provided RED power button LED is illuminated)

NOTE: The only time the RED Power button LED will be OFF is if power is interrupted to the unit or the Power Button is in the OFF position.

WARRANTY

The SR+ carries a three (3) Year Warranty on the unit and a three (3) Year Warranty on the UV Lamp.

Troubleshooting the UV Lamp To check to make sure the UV Lamp has in fact failed:

Disconnect the plug from the Lamp.

Placing the probe of the ohmmeter to one of the four pins on the end of the Lamp, touch the other probe of the ohmmeter to each of the other pins until you find the matching pin. The ohmmeter shows continuity (closed circuit). This indicates that the filament is good. Check the other two pins. If both sets of filaments test OK (continuity), the Lamp is functioning. If one or both sets of filaments read an open circuit (no continuity) on resistance, the Lamp must be replaced.

UV LAMP RESET BUTTON (To be used to reset "Days Left" after UV Lamp change-out)

To the bottom right of the SR+ cover right you will see a small REST hole. To RESET the UV Lamp Replacement LED Reminder back to 3 years, insert a small object similar to a paper clip into the hole holding down the button for 3 seconds.

WARNING

Before installing or performing maintenance or service on the purifier, turn off unit and disconnect from power source. Electrical shock can cause injury or death. There may be more than one disconnect switch.

WARNING

Never expose eyes or skin to ultraviolet light from any source. The Purifier MUST be DISCONNECTED from power source before performing maintenance or service. Personal injury may result.

WARNING

Do not touch Lamp glass without gloves. Reduced performance of Lamp may result. Clean Lamp after handling.

WARNING

The UV Lamp contains a small quantity of mercury. If a Lamp breaks, clean and dispose of with care.

WARNING

Use only specified replacement Lamps with you Purifier. Use of an incorrect Lamp can result in damage to the Purifier and/or Lamp.

**Follow all safety codes.
Wear safety glasses and work gloves.**

PLEASE SAVE FOR YOUR RECORDS

Serial Number# _____

Date Installed: _____

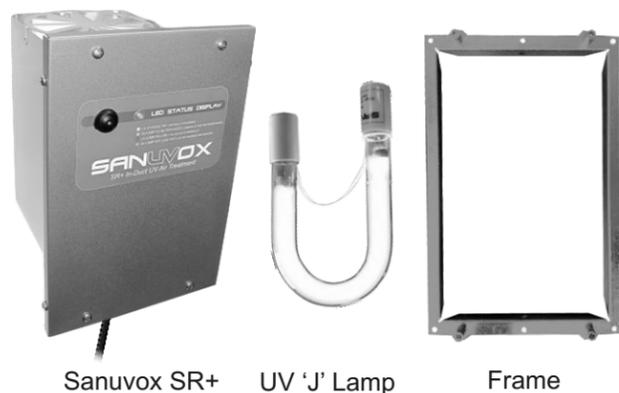
Installed By: _____

Installers Contact info.: _____

SAFETY CONSIDERATIONS

Only trained and qualified service personnel should install, repair, or service HVAC equipment. Untrained personnel can perform basic maintenance functions such as changing Lamps. Trained service personnel should perform all other operations. When working on HVAC equipment, observe precautions in the literature, tags and labels attached to the unit or accessory, and other safety precautions that may apply. Follow all safety codes.

INCLUDED IN THE BOX:



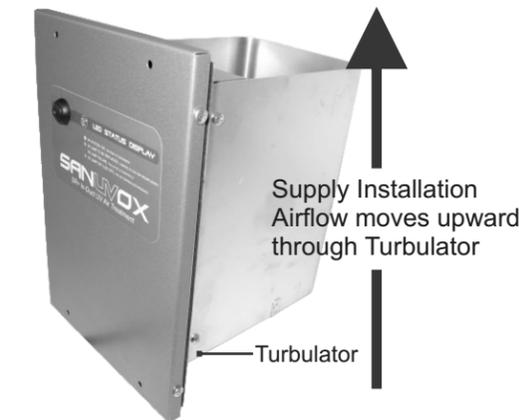
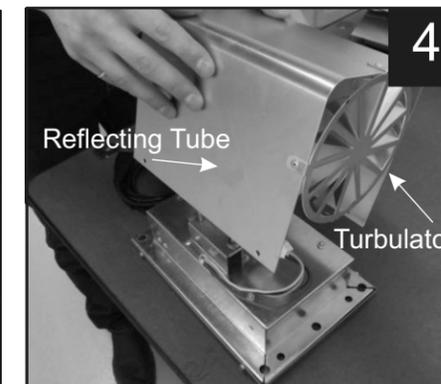
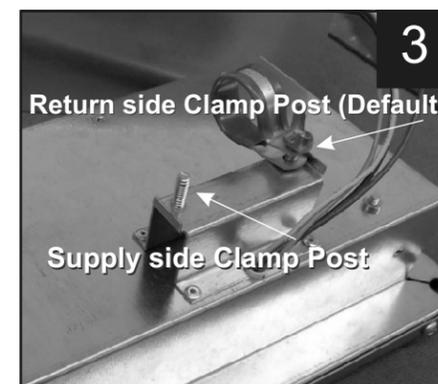
Installation Kit

- Gloves
- Installation Instructions
- 6 x Self-Tapping Hexagon 1/4 Sheet Metal Screws (#8)
- 4 x Stainless Steel Phillips Screw 8-32 1/2"

SUPPLY SIDE INSTALLATION

NOTE: If installing over a heating source : The SR+ uses a built-in thermistor to sense airflow. The thermistor is set at 80°celcius (176° Fahrenheit) when airflow passes over the thermistor, the thermistor cools slightly to switch the SR+ on. This is an effective method in controlling the SR+ especially with new high efficiency variable-speed fans. Because the thermistor is sensitive to temperature change, *if installing the SR+ on the supply side, install the SR+ far enough away from the heating source that the air will be less than 80°celcius (176° Fahrenheit).*

Follow Steps 1-2 for Return side Installation



For supply side or up-flow systems, the SR+ ships as a default RETURN installation unit. If the SR+ is to be installed in another orientation (i.e. supply side, up-flow, etc.) the UV Lamp clamp must be installed on the opposite threaded post with the Reflecting Tube re-installed with the Turbulator facing into the airflow.

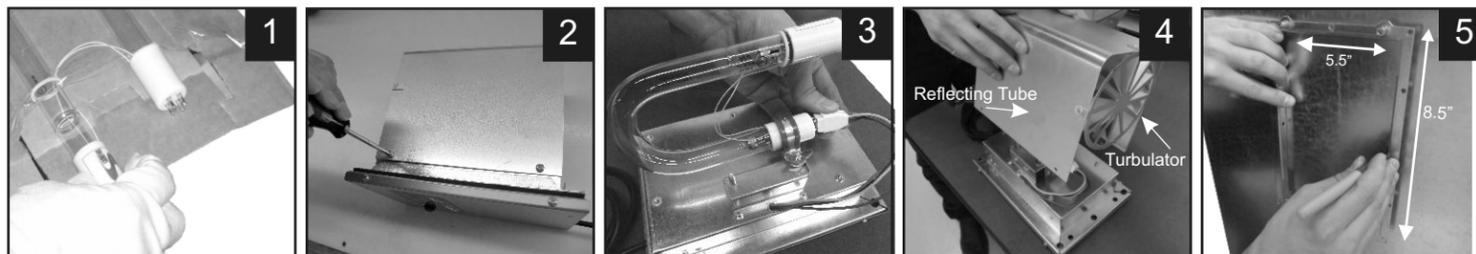
Reinstall Reflecting Tube with Turbulator facing into the airflow.

Follow the remaining steps 5-7 on the RETURN SIDE INSTALLATION.

RETURN SIDE INSTALLATION: STEPS 1-7

NOTE: If the SR+ is to be installed on the SUPPLY side please refer to "Supply Side Installation" on opposite page

Location: The preferred location for installation of the Sanuvox SR+ UV System is in the return duct as the air will be treated before the filter and coil. Make sure site can be supplied with the necessary power requirements. The SR+ should preferably be plugged into a conditioned dedicated 110V outlet. If one is not available, an extension cord may be used. If the SR+ is to be installed on 220V, undo the four side screws to gain access to the ballast and switch the ballast from 110V to 220V (there is a small switch on the ballast itself) & cut the plug to hard wire to 220V supply. *Direct UV exposure is dangerous to plastics. Wrap exposed plastic and wiring to shield from direct UV exposure* (The Sanuvox wire-set is Teflon coated which makes them resistant to UV exposure). The purifier can be mounted in a horizontal or vertical position (in the same direction of airflow). More than one unit can be used in homes equipped with more than one air handler.



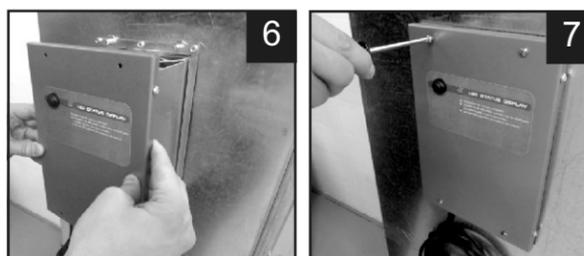
Carefully remove UV Lamp from packaging. Use incl. cotton gloves to guarantee a clean Lamp after handling.

To install UV Lamp, remove Reflecting Tube by removing the four (4) screws on both sides of the Reflecting Tube.

Insert UV Lamp with the 4 pin end into the clamp assembly. Do not over tighten wing nut. Plug the Lamp into the white plug.

Re-install the Reflecting Tube. Make sure the Turbulator will be facing into the airflow.

To mount the frame, take the frame support and draw an outline on the inside of the frame onto the duct. Allow for a 1/8" space around the marking. Cut the hole which should measure 5.5" x 8.5".



Mount the Support Frame to the duct using the six (6) Sheet Metal Screws. Once the frame has been mounted, insert the SR+ guided by the four (4) mounting posts. See Figure A.

Secure the SR+ to the frame with the four (4) Stainless Steel Phillips Screws

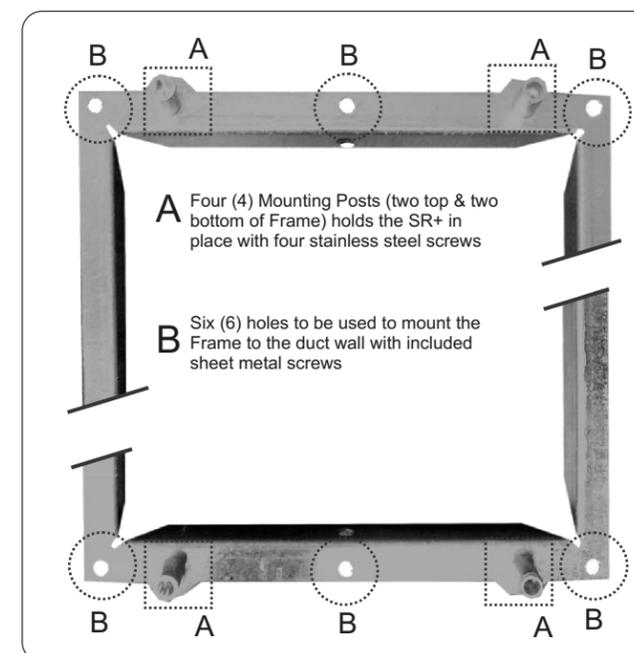
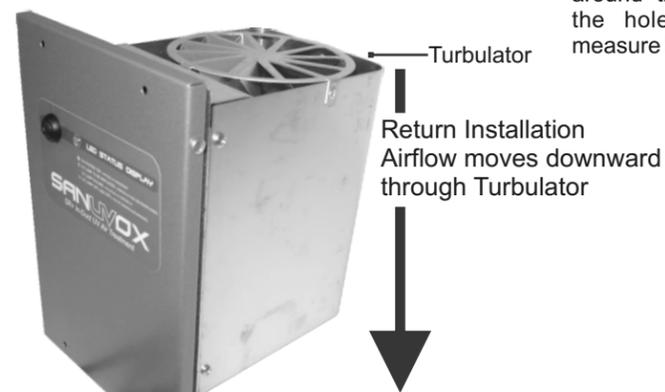


Figure A.
SR+ Support Frame