

UVS-Series™

Ultraviolet Air Disinfection System with Remote Lamps Technical Information



UVS Series Features and Benefits—Quick Reference

- Disinfects the air that circulates through an HVAC system** — Helps people stay healthy by sterilizing microbes. Kills airborne diseases from the common cold virus to more serious bacterial threats like Legionella.
- Provides relief for allergy sufferers** — Highly effective in reducing mold and fungi in indoor air—mold is one of the five most common allergens.
- Disinfects HVAC components such as AC coils** — Improves HVAC efficiency by keeping the system free of mold and mildew. Helps optimize HVAC heat exchange, minimizing operating costs.
- Remote Lamp System** — Remote lamps allow complete installation flexibility. Electronics mount separately, allowing lamp placement almost anywhere. Twin lamp systems offer placement of one lamp at the coil and another in the return for optimized UV performance.
- UVLampMonitor™** — The industry's first and only microprocessor controlled UV air disinfection system. Audible and visual monitoring of UV system performance with a two-stage alert system. Tracks lamp life and makes sure the lamp(s) are operational.
- ESP™ Electronic-Smart Power Supply** — Auto-voltage sensing—connects directly to 120 - 277VAC without switches or transformers. Compatible with all systems and simplifies installation.
- T3™ high efficiency UV Lamps** — Thermal Transfer Technology lamps create more UV output than standard lamps, especially in colder air such as at the coil.
- Easy to service** — Remote lamps change very easily. Slide out sub-chassis for quick, easy serviceability.
- 10 Year Advance Replacement Warranty** — Replacement sub-chassis shipped when service is required.

The UVS-Series™ Remote lamp systems

Technical specifications

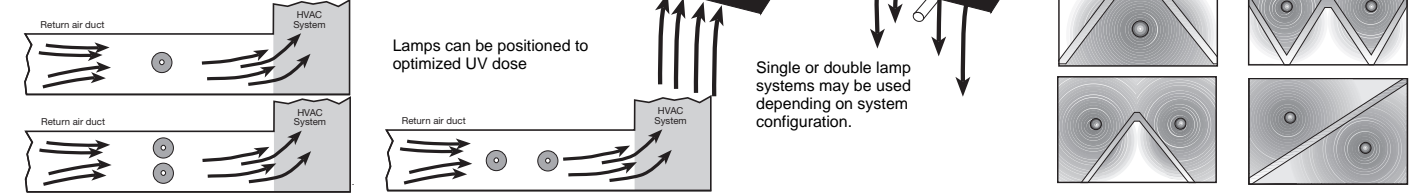
Model	Number of lamps	Lamp length	Microwatts/cm ² 6" from lamp	Use in areas up to (sq. ft.)	Power consumption	Dimensions	Shipping weight
UVS-1200T	1	12"	1500	1000	18 watts	L:13.25" W:6" H:2-1/4"	4 LBS
UVS-1900T	1	19"	2600	1500	36 watts	L:13.25" W:6" H:2-1/4"	4 LBS
UVS-1200T	2	12"	1800	2000	36 watts	L:13.25" W:6" H:2-1/4"	4 LBS
UVS-1900T	2	19"	3100	3300	72 watts	L:13.25" W:6" H:2-1/4"	4 LBS

Lamp cable length 6 feet. All units include pre-drilled holes and mounting hardware. The UVS-Series is non ozone producing.

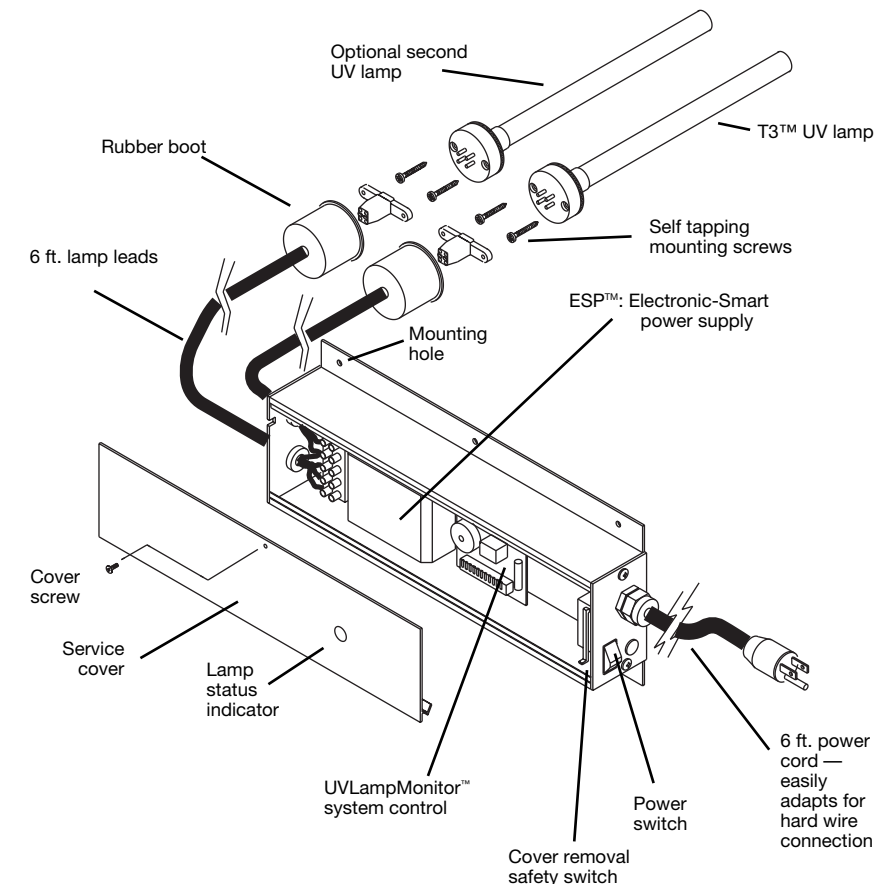
Installation options

Configurations

The UV system can be placed at the coil, or at the system return. Placement at the coil allows direct exposure for optimum mold and fungi reduction. Placement at the return optimizes UV exposure time and intensity. Care should be taken to protect HVAC component parts that may be UV sensitive.



Typical layout



Lamp measurements were obtained in accordance with the National Primary and Secondary Ambient Air Quality Standards Section 40 CFR part 50.

