



AMERICAN AIR & WATER[®], INC.

American-Lights[®] High Output UV Air Cleaner Installation Instructions Multi-Volt UL Listed for 120/240/277VAC, 50/60Hz

American-Lights[®] is the strongest High Output UV Air Cleaner available on today's air quality market. It is UL Listed for multi-volt operation at 120/240/277VAC, 50/60Hz* /UL file number E42012/.



AIR DUCT MOUNTED ACCESSORY
WITH RESPECT TO ELECTRIC SHOCK,
FIRE AND CASUALTY HAZARDS ONLY.

American-Lights[®] UV Air Cleaner must be installed by authorized and qualified technicians. Please read ALL instructions before beginning installation of this product. This fixture is designed for use with germicidal lamps and must be installed in compliance with competent technical directions so the user's eye and bare skin will not be subjected to ultraviolet rays. Follow all Warnings and Cautions contained in this document and printed on the labels attached to the American-Lights[®] UV Air Cleaner.

DO NOT LOOK AT THE UV LIGHT! EXPOSURE TO ULTRAVIOLET LIGHT CAN CAUSE SEVERE BURNS TO SKIN AND CAUSE TEMPORARY LOSS OF VISION OR BLINDNESS. DISCONNECT THE POWER SOURCE BEFORE SERVICING THE HVAC SYSTEM. DO NOT MOUNT THE AIR CLEANER IN A POSITION THAT ALLOWS THE UV LIGHT TO BE SEEN AFTER INSTALLATION.

WARNING!

NEVER expose eyes or skin to UVC light from any source.
NEVER operate this unit outside of plenum.
Before installing or servicing this unit, ALWAYS turn off the power supply and unplug the power cord.
Electrical shock can cause personal injury or death.

WARNING! Do not mount in direct line-of-sight of openings in the duct or any access panels of a product connected to the duct.

CAUTION! Do not mount in close proximity to plastic coated wiring regardless of their UV protective coating or in direct line-of-sight of plastic materials. Do not mount closer than 36" from any plastic air filter (fiberglass and metal filters are safe).

CAUTION: Equipment Damage Hazard. Ultraviolet light can cause color shift or surface degradation and sometimes - structural degradation of non-metallic components. Select mounting location that prevents exposure to plastic flexible duct components, polyurethane foam insulation material, rubber hoses, wire insulation, etc. If mounting options are limited, items above should be protected with ultraviolet resistant material such as aluminum foil, aluminum duct tape, or metallic shields or the equivalent.

Carefully unpack the shipping container with the American-Lights[®] UV Air Cleaner and inspect for damage. The package should contain:

- (1) American-Lights[®] UV Air Cleaner chassis with cover and attached 120VAC power cord set.
- (1) AAWHO/14 - 14½" UV-C emitter / lamp. (*Avoid getting finger prints on the glass portion of the UV lamp. If you do touch the glass, clean the lamp with cotton cloth. Fingerprints will reduce lamp effectiveness.*)
- (1) Warning label.
- (1) Strip of foam gasket with peel off adhesive backing for adhering to the back of the chassis.
- (1) Light indicator plug, 7/16" diameter.
- (2) Self tapping screws for metal duct.
- (1) Metal bracket for duct board installation (use the (2) 1½ inch [longer] screws for the duct board installation).
- (1) Installation Instructions and Warranty Sheet.

* The health aspects associated with the use of this product and its ability to aid in disinfection of environmental air has not been investigated by UL.

Installation Instructions

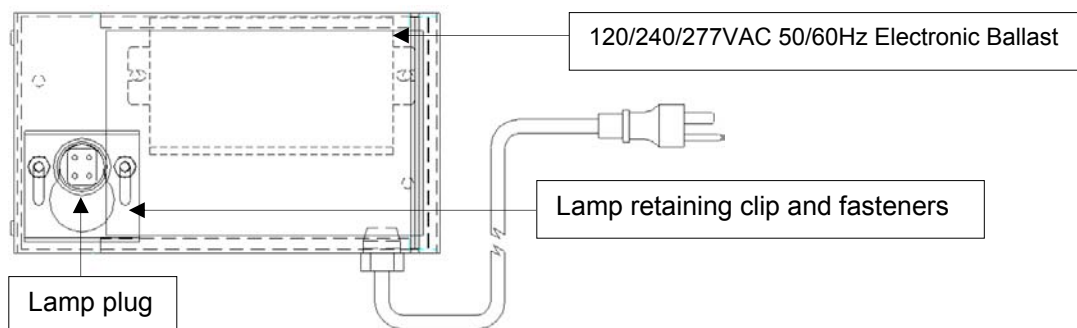
**THIS UNIT MUST BE INSTALLED BY AUTHORIZED AND QUALIFIED PERSONNEL.
FOLLOW ALL LOCAL CODES AND REGULATIONS WHEN WIRING THIS UNIT!**

NOTE! DO NOT install the UV lamp close to a grill if its “night light” effect will be objectionable to homeowner.

1. Establish a location, not less than 36" from plastic air filters, for installation on the RETURN or SUPPLY SIDE of the air handling system. The best location is over the coil so UV can keep it clean of microbial contamination and growth, including mold growth. The proximity of an available power source should be also considered when selecting the mounting site. For direct wire installation to 240/277V use the electrical knockout per UL Standard 1995, 17.4*
2. After determining the best position, remove the 2 Philips screws on the top of the cover, remove the American-Lights® cover and place the housing assembly against the exterior wall. Use it as a template for transferring the mounting holes as well as the entry hole for the lamp. Drill one 1" hole for the UV lamp.
3. Mount the chassis to the duct by fastening the self tapping screws or the longer screws for duct board.
4. **To install the UV lamp**, slide the UV lamp through the hole in the unit and duct until the retaining ring will not allow further insertion. Slide retaining clip over retaining ring and tighten the retaining clip's fasteners so it will not move. Carefully attach the plug to the 4-pin end of the lamp.
5. Do not pinch or cut any wires. Replace the cover and tighten the screws.
6. Drill a 7/16" hole in the duct 6 inches away from the mounting position of the UV-C emitter / lamp. Insert the indicator plug in the hole. When the lamp is lit, the plug will glow as an indicator that the unit is working correctly.
7. Attach the Warning Label on the duct next to the installed UV Air Cleaner.
8. Power the unit – the UV lamp will come on instantly.
9. **For best results:** leave the UV air cleaner ON at all times with the HVAC fan running continuously for the first 2 weeks by turning the fan thermostat switch to the ON position. After that the UV air cleaner should continue to stay ON but the fan can be switched to the AUTO position.

For maximum protection, the germicidal UV lamp AAWHO/14 should be replaced every year.

FOR LAMP REPLACEMENT: USE ONLY GENUINE AMERICAN-LIGHTS® HIGH OUTPUT GERMICIDAL UV-C LAMPS, OBTAINED AND INSTALLED BY AN AUTHORIZED DEALER. Model # AAWHO/14



If you have questions or need parts or technical help please contact American Air & Water at: 888-378-4892

* A knockout shall be provided with a flat surrounding surface for seating of a conduit bushing, and shall be located so that installation of a bushing at any knockout likely to be used during installation will not result in spacings between uninsulated live parts... UL Standard 1995, 17.4



AMERICAN AIR & WATER®, INC.

American-Lights® High Output UV Air Cleaner Warranty

The following warranty applies only when the American-Lights® High Output UV Air Cleaner is installed by a qualified and authorized technician, employed by licensed contractor/dealer and in compliance with all building and construction codes.

AMERICAN AIR & WATER, INC. WARRANTS THIS PRODUCT AGAINST DEFECTS IN MATERIAL OR WORKMANSHIP AS FOLLOWS:

1. WARRANTY: 5 years on the chassis and 1 year on the UV lamp from date of installation by authorized dealer, documented by sales receipt or Dealer Warranty Card. If this unit is determined to be defective, AAW will exchange it for a new or rebuilt unit at no charge. Buyer's remedies are expressly limited under UCC 2-719(1) (a) to repair or replacement of the defective unit.
2. This warranty does not cover customer instructions, installation or set up adjustments.
3. This warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence or modification of, or to any part of the unit. This warranty does not cover damage due to improper operation or maintenance or connection to improper voltage supply.
4. This warranty is valid only in the United States.
5. Proof of purchase in the form of a bill of sales, receipt or invoice must be presented to obtain warranty service.
6. For valid warranty coverage an authorized dealer MUST perform all service and removal.



WARRANTY REGISTRATION

Date of Purchase: _____ Number of units: _____

Customer name: _____

Address: _____

City, State, Zip: _____

Phone number: _____

E-mail: _____

We will use your e-mail address ONLY to notify you when it is time to replace the UV lamp. We respect your privacy and will NOT disclose your e-mail to any third party.

Dealer name: _____

Phone number: _____

Distributor name: _____

Register on-line at: americanairandwater.com/warranty

Or fill out this Warranty Registration and fax to 843-785-2064 or mail to:

American Air & Water, Inc.
Warranty Registration
12 Gibson Drive
Hilton Head island, SC 29926

Thank you for choosing the American-Lights® UV Air Cleaner.