

## SECOND WIND AIR PURIFIER LIMITED WARRANTY APPLIES IN U.S.A. AND CANADA

All Second Wind 24 volt Air Purification systems that are attached to your Heating, Ventilation and Air Conditioning System (HVAC) have the following warranty

### ONE (1) YEAR COVERAGE LAMPS

The lamps are warranted by Second Wind for a period of one (1) year from the date of the original installation, when installed and operated in accordance with Second Wind recommendations. If during this period a lamp fails, Second Wind will provide a free replacement. You must pay shipping charges and all other costs of warranty service. Second Wind will not pay labor involved in diagnostic calls or in removing, servicing, or replacing parts. Second Wind recommends replacement of the UV lamp every 9,000-11,000 hours, the intensity of the lamps will diminish over time.

### TWO (2) YEAR COVERAGE BALLAST

The ballast is warranted by Second Wind for a period of two (2) years from the date of original installation, when installed and operated in accordance with Second Wind recommendations. If during this period a covered component fails, Second Wind will repair or replace the part. You must pay shipping charges and all other costs of warranty service. Second Wind will not pay labor involved in diagnostic calls or in removing, servicing, or replacing parts.

### REPAIRS

All repairs of covered components must be made with authorized service parts. Labor charges resulting from diagnostic calls or service are not covered by this warranty.

### CARE OF EQUIPMENT

Your new Second Wind Purifier must be properly installed, operated and maintained in accordance with the unit installation, operation, and maintenance instructions provided with each unit. Failure to provide maintenance per Second Wind instructions will void warranty.

### WARRANTY LIMITATIONS

This warranty will be voided if the covered equipment (only Second Wind replacement parts or units are warranted) is removed from the original installation site. This warranty does not cover damage or defect resulting from:

- 1 Accident, or neglect or unreasonable use or operation of the equipment, including operation of electrical equipment at voltages other than the range specified on the unit name plate.
- 2 Modification, change or alteration of the equipment, except as directed by Second Wind The furnishings of replacement parts under terms of this warranty will apply to the original warranty period and will not extend the warranty.

Second Wind makes no express warranties other than the warranty specified above. All implied warranties, including the implied warranty of merchantability and fitness for a particular purpose, are limited to the duration of the warranty specified above. Liability for incidental and consequential damages is excluded and is not covered by this warranty. Some States do not allow limitations on the duration of an implied warranty or the exclusion or limitation of incidental or consequential damages, so the limitations or exclusions may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Second Wind shall not be liable for any default or delay in performance under this warranty caused by any contingency beyond their control.

## WARRANTY PROCEDURES

All Second Wind Air Purification systems that are attached to your Heating, Ventilation and Air Conditioning System (HVAC) have a limited lifetime unit warranty.

- 1 Be prepared to furnish the following information:
  - a- Complete model number and serial number
  - b- Proof of installation date if warranty claim is made by other than a qualified service dealer who maintains records of your installation date and service history.
  - c- An accurate description of the problem.
  - d- Date of failure.
- 2 Call the installing dealer that you purchased your Second Wind from.
- 3 If the installing dealer is unable to provide warranty parts, contact:  
Second Wind Air Purifiers  
255 Great Arrow Avenue, Unit 217  
Buffalo, NY 14207  
Phone: 1-800-387-4565  
Fax: 716-875-5751  
Email: service@secondwindairpurifier.com



# Second Wind Air Purifier Installation Manual 1625K 2025K

# SAFETY CONCERNS

## WARNING: FAILURE TO FOLLOW THESE RULES MAY RESULT IN SERIOUS PERSONAL INJURY

- 1 Read instruction manual before operating the units.
- 2 Eye damage may result from directly viewing the light produced by these lamps. To reduce the risk of exposure to UV radiation, take UV-radiation protective measures for personnel during servicing.
- 3 This fixture is designed with germicidal UV-C lamps and must be installed in compliance with competent technical directions so that user's eyes and bare skin will not be subjected to injurious rays.
- 4 UV Light Hazard. To prevent exposure to ultraviolet light, be sure the ultraviolet air treatment system is disconnected before servicing any part of the HVAC system or removing any access panel or the equivalent.
- 5 There shall not be any openings in the duct that would emit light.
- 6 There shall not be any duct supply or return air openings or any other openings that are in direct line-of-sight of the UV bulb.
- 7 Check damaged parts: Before further use of the unit, any damaged part should be carefully checked to ensure that the unit will operate properly. Any part that is damaged should be properly repaired or replaced.

## CAUTION: Disconnect power before starting installation or maintenance.

- 1 Personal Injury Hazard. Power supply can cause electrical shock. Disconnect power supply before servicing or beginning installation.
- 2 Risk of exposure to excessive ultraviolet (UV) radiation—Do not operate without complete lamp enclosure in place or if sight lens is damaged.
- 3 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 insulations, etc. If mounting options are limited, items above should be protected with ultraviolet resistant materials such as aluminum foil, aluminum duct tape, or metallic shields.
- 4 Electrical shock hazard from 24 volt or 120/277 VAC may cause serious injury or death.
- 5 Follow Proper Disposal Techniques for UV lamps (pg.3)
- 6 Wear protective gloves and safety glasses when handling lamp. To prevent injury, unplug lamp connector and allow to cool for 10 minutes before servicing.

## INSTALLATION LOCATION:

1. Products should be mounted to Second Wind Filter Box units only.
2. Mounting shall be such that all surfaces in the duct where appliance forms parts of the duct shall be made of metal.
3. All wiring within adjacent heating and air conditioning equipment, for example, shall be shaded from direct line-of-sight from the UV bulb or shall be UV-rated.

## INSTALLATION & MOUNTING LOCATIONS

1. Remove door from filter box and set aside. Remove filter from filter box
2. Install ballast outside of filter box with supplied Tek Screws. **DO NOT OVERTIGHTEN SCREWS DURING INSTALLATION.**
3. Remove closest EKO to ballast mount location for power supply wiring.
4. Install lamp connector on ballast thru EKO and connect to 4-pin end of Lamp on PCO assembly. Lamp should face supply side of system. The lamp should not face filter media area.
5. Drill Ø1/4" hole in front of filter box on same side as Lamp & PCO assembly. This is to enable owner/service tech to safely know if lamp is operating or not. Press LED lens into drilled hole
6. **BALLAST TO BE CONNECTED TO 24V SUPPLY ONLY AND UNIT IS INTENDED FOR LIGHT IS TO OPERATE WITH CONTINUOUS POWER.**
7. Connect to power supply per local codes. Test lamp following safety concerns on Page 2. Refer to trouble shooting section if lamp does not illuminate. If wiring is successful, proceed to #8
8. Install filter with AIRFLOW arrow pointing toward Lamp & PCO Assembly. Replace door

## TROUBLESHOOTING

If the unit does not work, check the following:

**Electrical Supply/Wiring**—Verify that the electrical service is operating correctly.

### Ballast (REPLACEMENT# 010090)

If lamp still is not illuminating check the wiring to the ballast. If the ballast is wired properly and the lamp still does not illuminate, replace the ballast. With a fully electronic ballast there is no resistance testing.

**Transformer**—If a transformer is employed to provide power to the unit (not provided by Second Wind), it should be tested in accordance with instructions provided with unit when installed.

**Lamp**—Verify that the lamp is not broken and is properly seated in the lamp connector. To check this, follow steps in the 'Lamp Replacement' section (try step 9 first) with one exception: you should not remove and replace the lamp. If the lamp is broken read the 'Lamp Disposal' section of this manual.

## LAMP REPLACEMENT—Lamp Model 1082X-R

The Second Wind Ultraviolet Germicidal Photo-catalytic 24 Volt Lamp is designed for 9000-11,000 hours of continuous operation. After 9000 hours intensity of the lamp inside the duct diminishes and should be replaced. Even if the lamp is still illuminated replacement of the lamp is recommended, by a qualified HVAC Service Technician.

1. Disconnect electrical service and turn unit off.
2. Remove Door and filter from filter box.
3. Remove Lamp & PCO Assembly from filter box and disconnect the lamp connector from the lamp base.
4. Remove Lamp & PCO Assembly from filter box.
5. Release the lamp from spring clips in assembly ( **Be careful old lamp may still be hot !** ).
6. Replace the old lamp with the new lamp. Ensure that lamp is being gripped by spring clips against ceramic ends, **NOT ON THE QUARTZ GLASS**. Ensure the new lamp is clean. If the new lamp is dirty or has fingerprints on it remove with an alcohol wipe.
7. Attach lamp connector to lamp base. Return Lamp & PCO Assembly to original location (close as possible)
8. Turn on electrical service and unit
9. If lamp does not immediately illuminate, turn off electrical service and unit. Then rotate bulb 180 degrees to reverse pin contacts on lamp connector.

## LAMP DISPOSAL

UV lamps contain mercury like other household lamps and must be disposed of properly. **State requirements and recycling opportunities vary, go to [www.lamprecycle.org](http://www.lamprecycle.org) for State Regulations & Contacts.** Please contact your county waste collection department for proper disposal details.

### USE GLOVES AND EYE PROTECTION

If a lamp is broken, **do not use a vacuum cleaner to pick up the waste** . Instead, sweep up the waste into a plastic bag and seal. Contact your county waste collection department for proper disposal details.