

# Air Sniper Induct 300W Standard

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## Instruction Manual





## A WORD TO AIR SNIPER OWNERS

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At Air Sniper, we design and build supplemental air sanitization systems with complete satisfaction in mind. To assure trouble-free operation of your air sanitization system, please read this manual and follow installation recommendations.

An authorized Air Sniper dealer will know the system best, and if service or maintenance is needed, the Air Sniper team is here to help. Our team is dedicated to providing you with the best possible service and assuring your satisfaction with our product.

For any questions or service requirements, please contact an Air Sniper representative at the toll-free number: 1 (888) 338-9549



# IMPORTANT SAFETY INSTRUCTIONS

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## **WARNING: NEVER EXPOSE SKIN OR EYES TO UV LAMP WHEN OPERATING**

Read and follow all instructions prior to installation. Read the directions and all safety labels prior to operation. Failure to follow any instructions or labels may result in injury of the user or damage to the unit. Save this manual for future reference.

1. The Induct 300W Unit is intended to be used for air sanitization inside of a sealed air chamber. **Do Not** attempt to operate the UV-C Lamps outside of a sealed housing.
2. Electrical Shock may cause Injury or possible death. Ensure that the unit is turned off and disconnected from the power source prior to installation or replacement.
3. Untrained personnel can perform installation and replacement of the unit as per the Instructions within this manual. **Do Not** attempt to perform maintenance on your unit. Improper maintenance can result in damage to the unit and injury of the user. If your unit requires maintenance, please contact Air Sniper.
4. **Do Not** attempt to modify your unit. Modification of this unit may result in injuries to the user or damage to the unit.
5. Inspect your unit for any abnormalities or damage prior to installation and use. Damaged units can result in harmful UV-C leaks.
6. UV-C Lamps contain small amounts of Mercury. If the lamp is broken or damaged, clean and dispose of it properly as per local safety regulations.
7. This unit is not a toy, keep out of reach of children.
8. It is recommended a minimum of 2 people present when installing the unit. Units can be heavy and require care and precision when installing.
9. Air Sniper products are not waterproof. **Do Not** attempt to use your unit in a wet environment.
10. Air Sniper Products are designed for **INDOOR USE ONLY**. Do Not attempt to install your unit outdoors.
11. The use of this device is a supplement to and not a substitute for standard infection control practices; users must continue to follow all current infection control practices related to cleaning and disinfection of environmental surfaces.
12. **FIRST AID INSTRUCTIONS:** If Injury occurs, contact your doctor or appropriate emergency services.
13. **WARNING: UV RADIATION EMITTED FROM THIS DEVICE.** Unintended use of the device, or damage to the housing, may result in exposure to Ultraviolet Radiation. Ultraviolet radiation may cause irritation to skin and eyes. Avoid exposing eyes and skin to ultraviolet radiation

For inquiries regarding the Unit, or any other Air Sniper Products Contact:

**Air Sniper Head Office**  
**Bay 11, 6565 40th Street SE,**  
**Calgary, AB Canada T2C 2J9**  
**1-888-338-9549**  
**[www.airsniper.ca](http://www.airsniper.ca)**



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## ABOUT YOUR UNIT

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Thank you for Purchasing the Air Sniper Induct 300W Air Sanitizing unit. Following Installation, you will be able to enjoy air sanitization that is proven to kill 99.99% of airborne contaminants throughout your facility while producing No Ozone. All Air Sniper products are tested and verified in Independent Laboratories and are Made in North America.

For more information on the Induct 300W unit and all other Air Sniper products and services, call **1-888-338-9549** to speak to one of our representatives.

## DESIGN

The Induct 300W is made up of several key components listed below.

The Induct 300W Standard unit is designed to be installed in either the Return or Supply plenum of HVAC equipment, allowing for continuous sanitization of airflow up to 500-7500 CFM. For greater airflow environments, multiple units may be necessary.



- 1. 300W UVC Lamp
- 2. 110V Power Cord Port
- 3. On/Off Switch
- 4. LED Indicators



## FEATURES

- **300 Watt UVC Induction Bulb**
- **Power Status Indicator Light**
- **Bulb Life Indicator**
- **Standard On/Off switch**
- **Airflow Differential Pressure sensor**

## SPECIFICATIONS

### **Power Supply**

110V 50/60 Hz

### **Energy Consumption**

3.2 A @ 110 V

### **Operating Temperature Range**

-20°C / 100°C

### **Power control Systems**

On/Off Switch, Airflow Differential Pressure Switch/Sensor

### **Bulb Life**

55,200 Bulb life hours of high intensity UVC

### **Electrical Safety Certification**

CETLus Certified, UL and CSA standards

### **Weight**

15 lbs

### **Dimensions**

25" (H) x 10" (W) x 5.36" (D)

### **Housing Material**

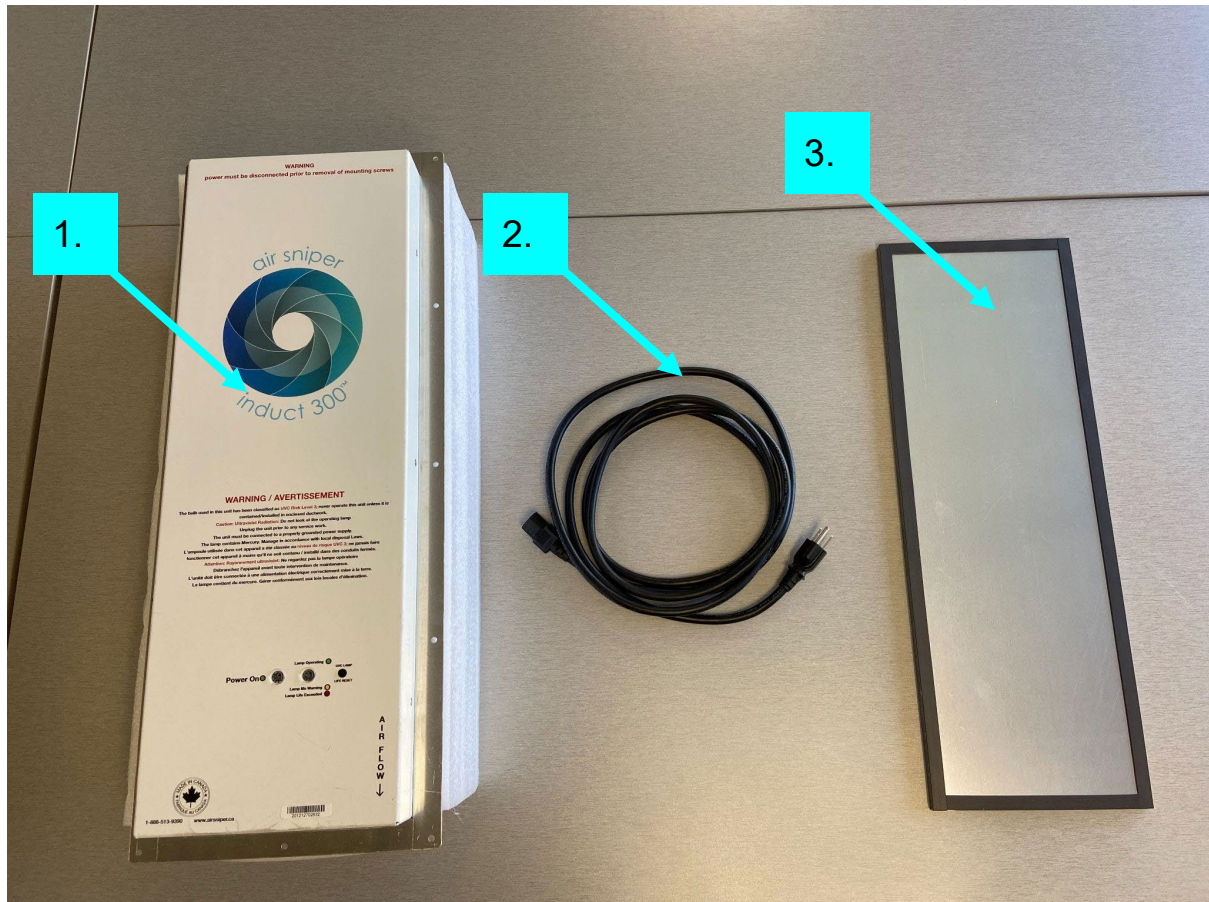
Aluminum



## INCLUDED PARTS

Included in the package you will find:

1. Air Sniper 300W Unit
2. Power Cable
3. 4 x Magnetic lined Reflective Panels (22 ¾" x 8" each)







# INSTALLING YOUR UNIT

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## REQUIRED TOOLS

- Drill bit to initiate cut-out puncture
- Sheet metal tin snips or appropriate cutting equipment
- 12 #8 Tek screws
- Drill for Tek screws

## INSTALLATION

**CAUTION:** Use care when unboxing and handling your unit. Ensure adequate space is available for unboxing, installation, and operation prior to attempting to handle your unit. Ensure that the intended placement of your unit allows access to the necessary power requirements and does not create a hazard once connected.

To Install your Induct 300W Unit:

1. **Remove from box**
  - a. Carefully remove your Induct 300W unit, 10' power cable and reflective panels from the shipping box
  - b. Inspect the Unit and all components, note any damage or defects







## 2. Prepare location for installation

- a. Determine the best location to install your unit. Both return and supply ducting locations are acceptable for installation. Return air installation can assist with coil cleaning. For more information on best locations for your unit, consult the installation parameters in this manual or contact Air Sniper.
- b. Once an installation location has been determined, take note of the direction of airflow within the duct for installation, be sure to mount the unit accordingly (airflow direction is marked at the bottom right of the unit).



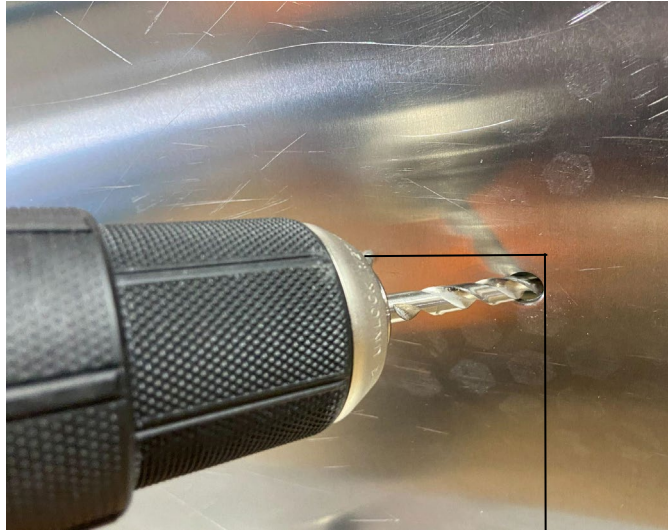
- c. Ensure that all exterior insulation of the HVAC duct is cut 2" back from the point of installation. Turn off all HVAC equipment prior to installation.
- d. Using one of the included reflective panels as a template, identify and mark the intended cut out location for mounting the Induct 300W unit and trace the panel of where the unit will be installed. Traced rectangle should have the following dimensions: 22 3/4" x 8"





### 3. Cutting into duct

- a. Drill a hole large enough on one of the corners of the outline as a starting point to cut out the opening in the duct for the unit to be installed. Ensure that the drill hole is made within the perimeter traced in step 2d as to not leave a gap once the unit is installed.



- b. Using the sheet metal snips (or appropriate cutting device), carefully follow the trace, slowly cutting out the opening where the unit is to be installed





#### 4. Placing reflective panels

- a. Remove blue protective plastic on the provided magnetic reflective panels



- a. Carefully place the unit through the cut-out of the duct work.
- b. Using your drill and the 12 #8 Tek screws and the pre-drilled mounting holes around the unit, secure the unit into the duct work where you cut into.

NOTE: When mounting, it is strongly recommended to consider a scheme that allows easy access for maintenance and unit replacement.

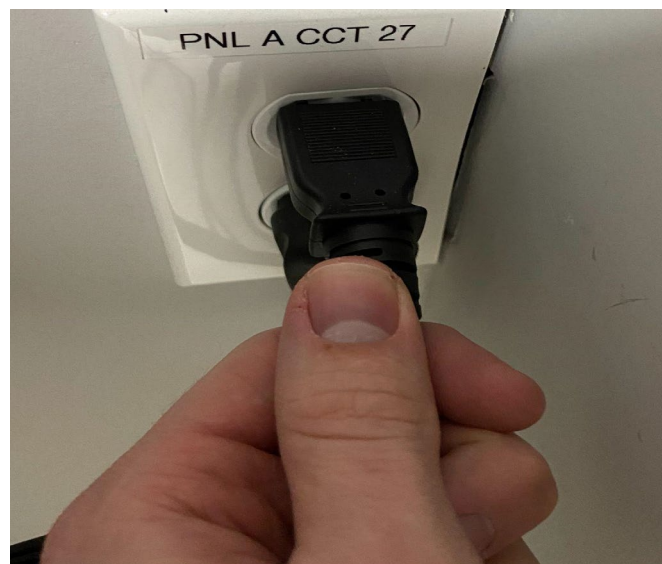


## DIRECTIONS FOR USE

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To Operate your Induct 300 unit,

1. Connect the Power Cable to the unit



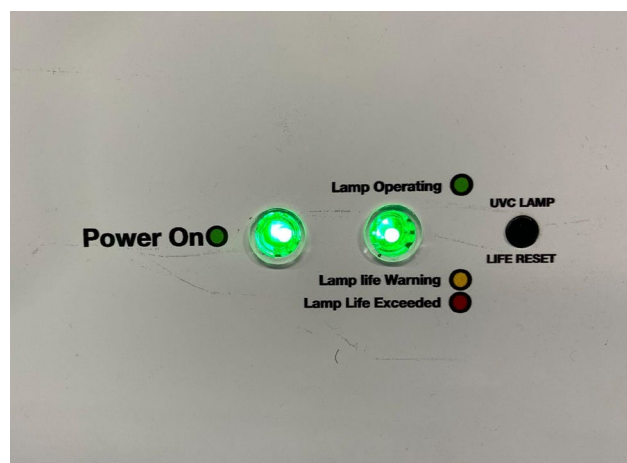




3. Turn the unit on using the On/Off switch located on the right side of the white front panel.



6. Once an airflow is detected, the UV Lamp will illuminate, and the “Lamp Operating” LED will turn on.








## BULB STATUS

NOTE: The “Lamp Operating” LED will glow 3 different colours, indicating different bulb status.

The variations are as follows:

-  Green: Lamp Operating, the lamp is operating as intended
-  Yellow: Lamp Life Warning, the lamp is nearing the end of its lifespan, requires replacement in near future
-  Red: Lamp Life exceeded, lamp has reached the end of its lifespan, requires immediate replacement

When the yellow “Lamp Life Warning” colour is shown, please contact your local distributor or Air Sniper directly for a replacement. The Induct 300W is designed as a complete unit, therefore when the bulb expires, the entire unit must be replaced.

## TROUBLESHOOTING

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If your unit is not operating as expected, there are several steps you can take to attempt to correct the problem.

**WARNING:** DO NOT attempt to operate the UV-C lamp outside of the duct. UV-C radiation is extremely harmful to unprotected skin and eyes.

If the Bulb is not operating:

- Inspect the unit and the power cable to verify nothing appears damaged.
- Check that the selected power source is in fact providing power for the unit.
- Check that both ends of the 10' Power cable are securely connected to either the unit or the Power source.
- Check that the On/Off switch is flipped to the On position.
- Once airflow is established, the lamp indicator light will be lit.

If the “Lamp Operating (Bulb Life) LED is Red, the bulb has expired. Contact your local distributor or Air Sniper to replace the unit.



## REPLACING YOUR UNIT

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The Air Sniper Induct 300W Unit uses a built in 300W UV-C Lamp with a lifetime of 6+ years (55,200 hours, based on 24/7 operation). To track the life of the Lamp on your unit, check the “Lamp Operating” LED Colour when the unit is activated to determine the state of your unit. It is strongly recommended that the unit be replaced when the Lamp Life Warning LED is illuminated (LED glows Yellow). When the Lamp life has been exceeded (LED glows Red), the entire unit will need to be replaced. Contact your local distributor or Air Sniper to order replacement units.

## REQUIRED TOOLS

- New Air Sniper Induct 300W Unit
- Flat Head Screwdriver or Drill

## REPLACEMENT

1. Disconnect the expired unit from the power source. The 10' power cable can also be disconnected from the unit (The “Power On” LED will not be illuminated as the unit has been unplugged). **WARNING: UV-C Bulbs will heat during operation, allow 20-30 minutes after unplugging the unit for the bulb to cool off.**
2. Locate and remove the 12 #8 Tek screws (located around the Powder Aluminium Cover) and carefully remove the unit from the duct.
3. Insert a new unit into the duct.
4. Place and tighten the 12 #8 Tek screws back in place, securing the unit into the duct.
5. Connect the power cable to the unit.
6. Using the On/Off switch, turn the unit On, the “Power On” unit will illuminate Green.
7. Ensure that airflow is provided in the duct to activate the unit. When Airflow is detected, the lamp will illuminate, and the “Lamp Operating” LED will be activated.
8. Once the new unit is installed, carefully package the old unit and all old equipment to ship to your local distributor or direct to Air Sniper for core credit.





## WARRANTY

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We take pride in the quality of our products. In the case of a defective piece of equipment, AIR Alpine Innovative Research Inc. offers a limited three-year warranty on all our products (excluding bulbs). In case of a discovered defect, we will replace or repair the unit. Extended Warranty available

### **Limited Warranty Three Year Warranty**

Alpine Innovative Research Inc. (AIR) warrants the Air Sniper™ to be free from defects in the workmanship or materials under normal use and service (the “Warranty”) for a period of three (3) years (the “Warranty Period”) from the date of purchase through an AIR-authorized dealer/distributor. During the Warranty Period, should an Air Sniper™ be determined to be defective, AIR shall repair or replace the defective Air Sniper™ unit(s) (at AIR or dealer’s option) within a reasonable period.

### **Remedy Procedures**

If the Air Sniper™ proves defective within the Warranty Period, the purchaser may choose one of the following remedies, after contacting AIR for a Return Authorization Number: 1. Return the defective Air Sniper™ unit to the dealer/distributor from whom it was purchased together with a copy of the bill of sale, or dated proof of purchase thereof and the Return Authorization Number; or 2. Ship the defective Air Sniper™ unit directly to Air Alpine Innovative Research Customer Warranty Department along with the Return Authorization Number.

### **Limitations**

This Warranty is the only representation regarding the Air Sniper™, by Alpine Innovative Research Inc. of merchantability and fitness for use and shall extend to three (5) years from the date of purchase. The warranty excludes replaceable UVC bulbs. If it is determined by either Alpine Innovative Research Inc or an authorized dealer/distributor that the defect is the result of damage caused by the purchaser, the Warranty is null and void.

Contact Us Any questions or concerns pertaining to this Warranty may be directed to Air Sniper by E-mail, telephone, or facsimile: AIR, Alpine Innovative Research.

Customer Warranty Department  
Bay 11, 6565 40th Street SE Calgary, Alberta, Canada, T2C 2J9  
Toll Free: 1 (888) 338-9549  
Fax: 1 (279-7738



## RETURN POLICY

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In the event you are not completely satisfied with your Air Sniper product within 30 days from the proof of purchase date AIR will provide a full refund for the purchase price of the equipment. The unit must be returned to AIR in the original packaging and display no visible wear or damage. The unit will be inspected upon return to ensure working order. After the inspection has been completed, AIR will provide a full refund for the purchase price of the equipment.