

Owners Manual

**PT109**

**OZONE**

**GENERATOR**

Residential Model

**Jenesco Inc.**

Northwood Square  
31 Old Nashua Road, Bldg. #12  
Amherst, NH 03031  
Tel: (603) 673 4830  
Fax: (603) 673 449

**[www.Jenesco.com](http://www.Jenesco.com)**

## ◆ WHAT IT DOES

The PT109 machine will eliminate odors, reduce levels of airborne bacteria, mold, fungi, spores and viruses. It also removes smoke, pollen, and dust particles from the air.

The PT109 generates ozone, O<sub>3</sub>, tri-atomic oxygen, which readily gives up a single oxygen atom, O<sub>1</sub>. This single oxygen is free to combine with other airborne molecules ( odors, toxic gases, bacteria, spores, etc., ) rendering them inactive by oxidation. Nature does the same thing. Sunlight and thunderstorms both create natural ozone. Indoor environments can be cleaned and enhanced by periodic fogging with ozone to reduce levels of airborne contaminants.

## ◆ BENEFITS

- **Cleaner smelling air**
- **Reduced levels of many allergens**
- **Reduced levels of microscopic organisms**
- **Lower cost compared to other odor control methods**
- **Permanent odor removal**

## ◆ FEATURES

- **Sturdy powder-coated aluminum construction**
- **Variable fan speed**
- **Continuous or timed operation**
- **Infrequent periodic maintenance is simple**
- **No expensive filters to replace**
- **Portable, light weight**
- **Variable ozone output**

## ◆ INSTALLATION

The EDENAIR PT-109 is portable and ready to plug in as it comes from the box. Its effectiveness depends on the amount of ozone that is dispersed and allowed to contact the ambient air.

- Place the PT-109 as close to the offending agent as possible. The ozone concentration is highest as it exits the unit.

- Place the PT-109 as high in the room as possible. Ozone is heavier than air and will drift down, neutralizing offending agents in its path.
- Use existing air currents or larger circulating fans to help disperse the ozone. The ozone will cover large areas as it travel on drafts or moving air, neutralizing odors along its path.

## ◆ OPERATION

Turn the knob to CONT. Depress the ON button. Turn the dial to select the run time. The unit will run the selected time and then stop. To restart the machine, first turn the knob back to CONT., then to the desired run time. Do this as often as you like. The red light will stay on until the button is switched off.

A separate optional mechanical timer can also be used to cycle the unit on and off while it is in the continuous mode. The ozone level and fan speed can be adjusted before or anytime during the operation. A bleach like odor is normal.

## ◆ MAINTENANCE

The EDENAIR PT109 is relatively maintenance free.

Periodically clean the foam filter located on the left side of the unit, by removing and washing it in warm soapy water. Air dry and reinstall. Clean the generator plate at the beginning of each new season, or when you notice that the ozone production has decreased.

- Unplug the PT-109 ( **IMPORTANT- High Voltage Inside**)
- Remove one screw on the right side of the output grill that attaches it to the cover. Or if you have the PT109W remove the wooden cover.
- Rotate the output grill counter clockwise, out of the way.
- Carefully grasp the edge of the ceramic generator plate and slide it out toward you.
- Wash in warm soapy water using a stiff non-metallic brush to scrub the wire mesh clean. Air-dry or use a hair dryer. Do not install wet plates as this will cause arcing and damage the unit.
- Reinstall by carefully sliding the ceramic plate back into the slot, making sure that one of the two springs are making solid contact with each side of the plate.
- Replace the grill and screws, and re-attach the power cord.

## TROUBLESHOOTING

Doesn't come on	Check for blown fuse, check cord, electrical outlet.
Can't smell ozone or not as strong as it used to be	Clean the generator plate or replace it if more than two years old.
Not pushing enough air	Clean foam filter on left side

The ceramic generator plates will need to be replaced every year or two, depending on use. A noticeable decrease in ozone output will occur that is not cured by cleaning.) These can be ordered from Jenesco Inc. [www.Jenesco.com](http://www.Jenesco.com). Phone 1-800 639 9471

### **CAUTION: HIGH VOLTAGE POWER SUPPLY.**

**NEVER REMOVE COVER WITHOUT FIRST UNPLUGGING THE UNIT  
DO NOT OPERATE CONTINUOUSLY IN INHABITED SPACES.**

Although ozone is a healthful constituent of clean fresh air, high concentrations for prolonged periods can produce respiratory irritation and distress. This unit is capable of producing ozone concentrations that are unsafe when used in confined spaces. Do not direct the output at your face for prolonged periods of time.

### **WARNING**

Use normal precautions, as with any electrical appliance, to avoid possible shock. Avoid exposure to sources of moisture. Use properly grounded electrical outlets.

Specifications: Electrical 125 VA., 60 HZ, 0.5A  
Fuse Type 313, 250 Volt, 2 Amp  
Fan 38 CFM  
Ozone output 30-1300 mg/hr  
Replacement plates 4.75" x 5.5 "

Compliant with UL ( 867, 2nd Edition) - CSA ( 187 1st Editio