

Ozone Generator Instructions

Introduction

The Ozone Generator is a device that produces ozone, a naturally occurring gas that kills germs, mold and fungus. The duct-mounted ozone generator operates only when the air conditioning system fan is running. It provides a means for adjusting the ozone levels to circulate throughout the air conditioning ducts and interior air.

Description of Equipment

The main unit is mounted to the air handling duct on top of the inlet air duct. It has two sections, the section inside the duct where the ozone corona elements are located and the section with the controls on the top. As air is passed over the elements inside the duct the ozone is mixed with the air flow and circulates throughout the house.

The main unit is connected to a beige timer unit located separately from the main unit. The timer unit triggers the main unit to start by detecting the air flow in the air condition unit. It energizes the main unit only after the fan is running on the air conditioner unit, thus preventing the ozone generation while the air conditioning unit is not running. The beige timer box also has a plug that connects via a cable to a conventional household 120VAC receptacle.

There is a small pressure switch with a clear tubing that senses the air flow and the switch triggers the timer box mentioned above.

Operation Description

The unit is currently unplugged from the receptacle so the unit will not operate nor generate any ozone. The main unit which is mounted on top of the air handling unit is de-energized and presents no problems for the air conditioning unit to operate normally. It can be left inoperable and is not associated with the normal air conditioning system operation.

In order for the ozone unit to operate the unit would need to be plugged into the 120VAC receptacle.

If the home occupants wish to operate the ozone generator for de-odorizing or disinfection of the dwelling it is important to do so when the dwelling has no people or pets inside the home. Ozone is considered harmful to breathe and should only be used when the home is unoccupied for at least 4-hours.

The main unit has two controls, a knob that controls the duration of the ozone generation once the air condition unit is running and a pushbutton that controls the dosage. The pushbutton can select 5 different levels of dosage as indicated by the LED lights. Pushing the button will advance the dosage from one to five levels. It is recommended that this level be set at 2 or 3 as it is sufficient to generate sufficient ozone to treat the entire interior space of the home.

Once the dosage is set with the pushbutton and indicating LED lights, then the yellow knob can set the period or duration of the dosage that the ozone generator will operate, typically only a few minutes up to 5 minutes.

During Operation

Clear the household dwelling of all people and pets. Plug the beige timer box into the outlet. Once the air condition unit cycles on the main unit indicating lights will illuminate indicating the unit has started. The settings of the dosage (button w/ LED lights) and the duration (knob) can be set. Once set, the occupants of the home should leave for several hours while the ozone is generated, the ozone reacts with odors, bacteria, viruses, molds, and fungus. The ozone will react very quickly to kill these hazards and will leave a slight smell of "fresh rain". Once re-entering the house it is recommended that the occupants open a few windows for a few minutes to allow fresh air to dissipate any residual ozone.

Recommended Operation

It is recommended to operate the ozone generator only when necessary, and only when the house is unoccupied. It can be operated at any time but typically when the household air may have lingering cooking odors, pet odors, musty or moldy smells – or then the unit is switched from heating to air conditioning.

The unit should be left unplugged from the 120VAC receptacle when not in use.