

# RAINBOWAIR®

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## ACTIVATOR 500 (Models 52XX SERIES II) - OZONE GENERATORS

110 VOLT AND 220 VOLT Models

### Application Guide

#### IMPORTANT SAFETY INSTRUCTIONS

#### SAVE THESE INSTRUCTIONS

***These instructions contain important safety and operating information for your electronic deodorizer. This equipment is to be used in unoccupied areas only. Not for household use. For commercial use only.***

The **RAINBOWAIR** Activator 500 was designed with the housekeeper in mind. The lightweight and easy to use design is the result of years of use within the hospitality industry. This model is designed to deodorize areas in a short period of time using controlled levels of activated oxygen (ozone). **For this reason it is required that the RAINBOWAIR Activator 500 be used in unoccupied areas.** Using this technology will eliminate the need for scented sprays and chemical agents. No sprays of any kind should be used in conjunction with this unit.

#### ***Operating the unit***

On the front of the unit there are three controls. The power switch turns the unit on and off. The output dial controls the production of ozone from low (about 50 mg/hr) to medium (about 275mg/hr) to high (about 500mg/hr). The bottom dial controls how long the unit runs after being turned on. The minimum amount of time is about one (1) minute; the maximum time is 1 hour (60 minutes). To operate, plug the unit in, set the output and timer controls, place the unit on a dresser or desk (the higher the better), turn the HVAC system in the room on, turn the **RAINBOWAIR** Activator 500 on and leave the area. The unit will turn itself off after running for the time period set. **Note that the timer control knob does not move as the unit is running.**

Area/Odor	Timer Setting	Output Setting
Guest room/ stale air, light tobacco odor	15 minutes	Medium
Meeting room/ stale air, moderate tobacco odor	30 minutes	Medium
Convert smoking to non smoking*	60 minutes	High

\*Severe odor contamination may require additional steps. Contact **RainbowAir**.

**DANGER:** Elevated ozone levels exist during operation of the unit. If improperly used by unqualified personnel, exposure to ozone can be harmful to health. It may cause eye, nose, throat and lung irritation or dysfunction. The following guidelines must be followed:

Set timer, turn unit on, exit room and do not return until processing time is complete - see application guide. Do not reset timer in same room. Use in a room having a minimum volume of 3600 cubic feet (15' x 30' with 8' ceilings - about the size of a normal guest room). Close doorways and openings to other occupied areas from the room being treated. Operate only one unit per room. Do not use units in adjacent rooms or rooms across from each other at the same time.

**CAUTION:** in the unlikely event the unit continues to operate beyond the maximum one-hour operational period (due to timer failure) the following guidelines should be used.

1. Enter the area being treated by device.
2. Immediately turn power switch off.
3. Disconnect the power supply cord.
4. Evacuate the treated area and do not reoccupy the area for 5 hours.
5. Have the device repaired by a qualified service person.

To reduce the risk of electrical shock, this equipment has a grounding type plug that has a third (grounding) pin. This plug will only fit into a grounding type power outlet. If the plug does not fit into the outlet, contact qualified personnel to install the proper outlet. Do not alter the plug in any way.

### ***The Housekeeping Plan***

After cleaning a room, close the drapes, turn on the heating/cooling unit, and place the **RAINBOWAIR** Activator 500 on the tallest piece of furniture in the room with the front facing the middle of the room. Set the output and the timer, turn the unit on, and move to the next room to be cleaned.

Housekeeping cleans the next room while the Activator 500 is operating in the previous room. After cleaning the second room retrieves the Activator 500 from the previous room and set it up in the guest room just completed. Continue the process until all rooms are cleaned.

Assuming the cleaning schedule allots each housekeeper 15 rooms per day, the **RAINBOWAIR** Activator 500 will service 75 rooms per 5 day schedule. It is recommended that a property have at least one **RAINBOWAIR** Activator per 75 rooms.

**HINT:** Because ozone is heavier than air it is suggested that the unit be placed as high in the room as possible. Turn the HVAC fan on which will help circulate the deodorizing properties of the **RAINBOWAIR** Activator.

### ***Converting a smoking room to non-smoking\****

Clean or replace linens, bedspreads, pillows, draperies, and carpeting. Remove ashtrays and other signs of it being a smoking room. Set up the **RAINBOWAIR** Activator as previously outlined and set the output to high and the timer to 60 minutes. Open any doors in the room i.e. closet and bathroom. Remove any plants from the room and turn the unit on. **Make sure no people or pets have access to the area.** Do not enter the room for at least 2 hours. After the waiting period, enter the room and allow it to air out for 2 hours by opening any windows and doors. Replace draperies and linens. The room should be ready for your non-smoking guests.

**CAUTION:** the carpeting must be dry before beginning the deodorizing process.

**\*Municipal and or corporate policies over-ride this suggested procedure.**

You are encouraged to maintain your ozone generator thoroughly. You will receive years of trouble free service by doing so. Failing to do so can cost you time and money, and may void your warranty. Here are some tips:

1. Clean or replace the generator plates often. Use an ultrasonic cleaner or a stiff bristle brush with soap and water to clean. Dirty plates produce little ozone and can cause transformer or generator frame failure.
2. Wipe the white material of the generator frames with a clean lint free rag and rubbing alcohol. Avoid having contamination build up on the components.
3. If the sporax filter on the rear of the unit appears dirty or contaminated remove and replace with a new one.

Contact **RAINBOWAIR** for replacement parts or repair work if necessary.

### ***Trouble shooting***

**NOTE:** Always disconnect the power cord before attempting maintenance or repairs.

If the unit does not come on make sure the power source is hot and the power cord is seated in the unit properly. Check the 1 amp fuse on the back of the machine. If the 1 amp fuse is blown, call **RAINBOWAIR** to help diagnose the problem.

If the unit comes on but does not appear to be creating ozone remove the top and make sure the ceramic plates are seated properly in the generator frames. Also check to see that none of the plates are broken or cracked. Broken or cracked plates will prevent ozone from being produced. Check the 3/8 amp fuse as above. If the fuse is blown, call **RAINBOWAIR** for assistance or repair.