



## ZONTEC PA2500

### OPERATING AND MAINTENANCE INSTRUCTIONS

#### OPERATING DIRECTIONS

Review the FORMULA below and then:

1. Set OZONE to desired setting
2. Set TIMER to the desired setting
3. Plug the unit into any convenient wall socket
4. Switch the power to ON
5. Monitor odor level and adjust output as required to control odors.

The following formula and chart is suggested as a general guideline only. Use of the formula and chart will enable the user to determine the approximate milligrams per hour (MG/HR) of ozone required to odor situations. Ozone output will vary substantially with changes in temperature and humidity.

$$\text{AREA} \times \text{ODOR FACTOR} = \text{MG/HR required}$$

#### PA2500

MG/HR (Milligrams per hour in dry air)

500 625 833 1042 1250 1485 1667 1875 2083 2292 2500

LO 1 2 3 4 5 6 7 8 9 HI

Ozone Setting

#### PA2500 MAINTENANCE

Components related to the cleaning and maintenance of the unit are not covered by the 2 year warranty. These components are: generator plates, high voltage fuses and air filters. We recommend changing the filters monthly. Review the following inspection procedure to determine how often your PA2500 should be cleaned:

1. Inspect the unit after 1 month of operation. If the Generator Plates and Frames require cleaning at this time, then continue the monthly inspection and cleaning procedure.
2. If the unit appears clean after 1 month, then wait 2 to 3 months until the next inspection and cleaning. If the unit is still clean, we recommend that the unit be inspected and cleaned every 6 months. Maintenance kit # CLN25 is available for the complete cleaning of the unit.

#### CUBIC METERS

1. Measure the Cubic Meters (L x W x H) of the AREA being treated
2. Estimate the ODOR FACTOR as follows:
  - Light Odor Factor = 0.18
  - Medium Odor Factor = 0.65
  - Strong Odor Factor = 1.29
3. Multiply the AREA by the ODOR FACTOR to determine the MG/HR on the chart below
4. Set OZONE on the machine to the setting nearest the required MG/HR and adjust as required.

#### CUBIC FEET

1. Measure the Cubic Footage (L x W x H) of the AREA being treated
2. Estimate the ODOR FACTOR as follows:
  - Light Odor Factor = 0.005
  - Medium Odor Factor = 0.018
  - Strong Odor Factor = 0.036
3. Multiply the AREA by the ODOR FACTOR to determine the MG/HR on the chart below
4. Set OZONE on the machine to the setting nearest the required MG/HR and adjust as required.

#### Example:

1,000 cubic meter room x 1.29 Strong Odor Factor = 1290 MG/HR. Set OZONE at 4 (1250 MG/HR) and adjust as required.

#### Example:

35,000 cubic foot room x 0.036 Strong Odor Factor = 1260 MG/HR. Set OZONE at 4 (1250 MG/HR) and adjust as required.



## ZONTEC ELECTRONIC DEODORIZERS DIGITAL TIMER PROGRAMMING INSTRUCTIONS

### Programming

The Programmable Timer used on Zontec™ Electronic Deodorizers incorporates a 24 hour and 7 day time base. Therefore each day of the week can be uniquely programmed. For convenience, Block Programming is also provided, whereby up to seven days can be grouped together if the "on" and "off" times are the same. The Digital Timer displays in AM/PM format. When setting the hour's, be sure the "A" is displayed for AM time, and the "P" is displayed for PM time.

### SETTING THE TIME

1. Depress the reset button.
2. Depress clock symbol key during entire time setting procedure.
3. Press Day key to bring the actual day of the week into display.
4. Press h+ and m+ keys to set the actual time of day. If keys are depressed for more than a second, the digits will advance rapidly.
5. Release the key when the correct time and day are shown in the display. The colon between the hour's and minutes will be flashing indicating the timer has started.

### ENTERING PROGRAMS

1. Press Timer key once (do not keep depressed). The display will show "ON" and for the time.
2. Press h+ and m+ keys to set ON time.
3. If the event is to occur every day, proceed to step 5.
4. If the event is to occur only on selected days of the week, press Day key to select the desired days of the week.  
Successive depressing of the Day key beyond Sunday will bring the following blocks of days into the display.  
Monday through Friday  
Monday through Saturday  
Saturday and Sunday  
All days shown in the respective blocks will be switched on (or off) at the selected hour and minute.
5. Press Timer key to enter program. The display will show "OFF".
6. Program OFF command using steps 1 - 5 above.
7. Repeat for up to 12 programs (6 ON and 6 OFF)
8. Press key to return to time of day display.

### CHANGING OR CHECKING PROGRAMS

By operating the Timer key, the individual commands as programmed can, at any time, be brought consecutively into the display for revision or checking. Revisions are carried out by writing over the existing programs using the steps outlined above.

### CANCELING PROGRAMS

Use procedure above to bring program to be canceled into display. Use h+ and m+ keys to set hours and minutes to null. (symbol "- :-" will be in display). This program has been made ineffective and will no longer be carded out. To cancel all programs, depress Reset key. This clears the entire memory, including time of day and program.

### MANUAL SWITCH

Press override key to turn load ON or OFF without affecting the stored programs (temporary override).

### LOAD STATUS INDICATION

The load status is shown in the display as ON or OFF

### BATTERY POWERED RESERVE

In case of power failure, the built-in nickel-cadmium battery maintains the time of day, program storage and LCD display for a minimum of 2 weeks. During power outage relay is de-energized (off).

### IMPORTANT NOTE: UNPLUGGING THE UNIT FOR MORE THAN 30 DAYS.

If the unit must be unplugged for more than 30 days, ensure that the units LCD (display) indicates the OFF position before disconnecting from the power source. If left in the ON position without power for more than 30 days the unit will turn on as soon as plugged in and you will not be able to turn it off until the programmer battery is charged.

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