

Airmaid 2300 Series

OPERATING AND SERVICING INSTRUCTIONS

Models:	2304 and 2324
Dimensions:	210 x 142 x 75 mm
Weight:	1 Kg (approx.)
Electrical:	1 ϕ , 85-264V 50/60 Hz, Power 12 W,
Fuse rating	5 A
Case:	White flame retardant ABS
Ozone Output:	2 – 40 mg/hr (+/- 20%)
Manual Control (2304 only):	Continuous output
Day/Night Control (2314 only)	Activated at 10 Lux typical
Timer Control (2324 only):	Programmable timer



INSTALLATION

- Refer to the enclosed “Location Guide for Installation of Ozonisers”, for further information.
- When wall mounted the unit **must** be secured using the stainless steel screws provided. When used as a portable unit it must be placed on a firm level surface prior to use.
- Depending on the model the Ozone generator may be supplied in a pre wired condition with a standard plug or with a cable having bare ends for connection to a 5A fused double pole switched spur. Hard wired installations should be carried out by a qualified electrician.

OUTPUT SETTINGS – To adjust, switch off power, open outer cover using key provided. Using the key rotate output control knob to the required setting for the theoretical room size as indicated in the chart below. The **Theoretical Room Volume** is obtained by multiplying the **Actual Room Volume** by the **AC Factor**.

Example:- Actual Room Volume = 28 m³, No. of Air Changes per hour = 6.

From Table 1 for 6 Air Changes per hour the AC Factor = 2

Theoretical Room Volume = 28 x 2 = 56 therefore use line 50 – 60 in table 2

Table 1

No. of room Air Changes	AC Factor
1	1
3	1.5
6	2
9	3
12	4

Table 2

Theoretical Room Vol.(m ³)	Min	Low	Medium	High
<10	✓	X	X	X
10-20	✓	X	X	X
20-30	X	✓	X	X
30-40	X	✓	X	X
40-50	X	✓	✓	X
50-60	X	✓	✓	X
60-70	X	✓	✓	✓
70-80	X	✓	✓	✓
80-90	X	✓	✓	✓
90-100	X	✓	✓	✓

X Too low or too high.

✓ Acceptable.

This table is for guidance only and is based on one air change per hour at 20°C. The actual ozone level reached in a room will depend on the room size, temperature, humidity, the number of air changes, the operating time and the output setting. Using these setting guidelines ensures that the ozone level does not exceed the EU recommended safe levels of 0.1 ppm (in other countries different levels may apply).

CAUTION: Excessive amounts of ozone may cause irritation to the mucous membranes and should be avoided. If you require a safety data sheet or more information please contact your supplier.

MAINTAINING YOUR OZONE GENERATOR.

The exterior of the unit requires an occasional wipe with a damp cloth to maintain its appearance. At daily or weekly intervals, check that the fan is running and that there is a light blue glow on the plate.

SERVICING YOUR OZONE GENERATOR.

The unit should be serviced as necessary, at 3 – 6 month intervals depending on the site and usage.

- Switch off the electrical supply and open the cover by using the key and raising the cover to the parked position.
- Check the overall condition inside the unit and remove any debris, use a cleaning wipe (Pt. No. 010-069-00) to clean highlighted surfaces (see Figs 1 & 2) ensuring that **all** deposits are removed.
- Remove the fan by pressing on the two plastic retaining clips (see Fig 3). **IT IS RECOMMENDED THAT THE FAN ASSEMBLY BE REPLACED ANNUALLY.**

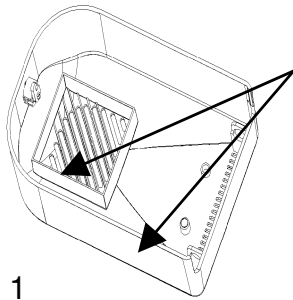


Fig 1

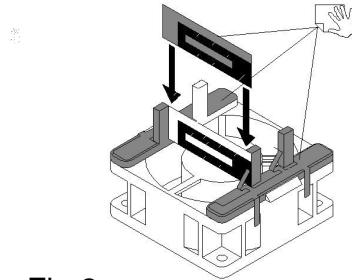


Fig 2

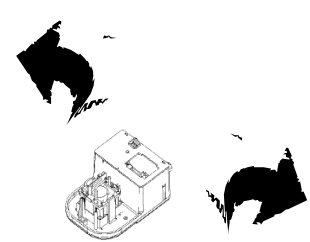


Fig 3

AVAILABLE SPARE PARTS.

The following spare parts are available from your supplier:

Ceramic Plate	Part Number: 110-015-00
Fan Assembly	Part Number: 400-069-03
Alcohol Wipe	Part Number: 010-069-00

FAULT FINDING

If the unit is suspected of not working the following checks should be carried out:

- Check the fuse in the plug and replace with 5 Amp fuse if necessary.
- Switch off the electrical supply, remove the cover and:-
 - Check the fan assembly is properly located.
 - Check the in line plug is correctly connected.
 - Check the ceramic plate is properly fitted in the fan assembly. Check the plate orientation and ensure electrical contact is made, see Fig 2.
 - Close cover and switch on the electrical supply. Check that the fan is working and that the ceramic plate is operating, ie, that a light blue corona discharge can be seen on the plate.

If the fault cannot be located return the Ozone generator to your supplier for repair. If this is not possible, enlist the services of a qualified electrician.

OPERATING INSTRUCTIONS FOR INTEGRAL TIMER (When fitted)

Prior to setting the timer the unit must be connected and powered (with the cover closed) for a period of up to 15 mins to charge the back-up battery.

The timer module fitted into the Ozone generator is fitted with a rechargeable back up battery that will maintain the time and any programmes for up to 30 days without external power. If the unit is left disconnected from the electrical supply for more than 30 days the time and any programmes will be lost. Should this occur simply reconnect the power supply for the battery to recover its charge, reset the time and reprogram. The timer has the facility for 8 programmes a day or group of days. A programme is a pair of on/off settings that will dictate when the Ozone generator will switch on and off.

1. SETTING THE TIME:

Before use the present time must be set as follows.

- 1.1 Press 'CLOCK' and 'HOUR' at the same time for setting the hour.
- 1.2 Press 'CLOCK' and 'MIN' at the same time for setting the minute.
- 1.3 Press 'CLOCK' and 'WEEK' at the same time for setting the day.

2. SETTING A PROGRAM:

You can set up to eight timer settings (on and off) in one day or group of days.

This will give you the same on and off times every day in that group.

Alternatively you can have one different on and off time for every day of the week.

COMBINATION WEEKLY SETTINGS:

Set groups of days can be selected and given a timer setting so that each

day within the group has the same timer setting.

The set groups are as follows:

Mo Tu We Th Fr Sa Su

Mo Tu We Th Fr

Sa Su

Mo Tu We Th Fr Sa

Mo We Fr

Tu Th Sa

Mo Tu We

Th Fr Sa



Setting a timer program:

- 2.1 Press 'PROG' to enter into the setting mode. The display will show '1 on'.
- 2.2 Press 'WEEK' to scroll through the individual days and combination groups of days. Then press 'HOUR' and 'MIN' to set the hour and minute for the timer to switch on.
- 2.3 Press 'PROG' again for setting the off time. The display will show '1 off'.
- 2.4 Repeat 2.2 to set the off time. (Select the same 'WEEK' setting as in 2.2).
- 2.5 Press 'PROG' again to enter into the second on/off mode.
- 2.6 Repeat 2.1 to 2.4 for setting all eight programs if required.

During the program setting mode pressing 'R' will cancel the setting. Pressing 'R' again will recall the previous setting.

3. TIMER ON/OFF MODE:

By pressing 'ON/AUTO/OFF' will show either 'on', 'auto' or 'off' in the display.

Selecting 'on' will permanently switch the timer on.

Selecting 'off' will permanently switch the timer off.

Selecting auto will switch on the timer modes.

4. Notes:

- 4.1 The tolerance of the timer is 2 minutes per month.
- 4.2 The timer has a 24 hour display.

NOTE: If you have any difficulty or queries regarding the timer please contact your supplier.