Specification and operation of the Oxyzone C80 Cube

C80 Cube Description

The Ozone Cube is a microprocessor controlled corona discharge ozone generator housed in a stylish cube shaped cabinet.

The 'top hat' acts as the carry handle and houses the push button switches and LED indicators that control the powerful little ozone generator below.

There are 2 modes of operation: countdown and cycle.

In countdown mode the timer is graduated in 30 minute intervals allowing up to 5 hours of set and forget operation. This is ideal for cleaning staff, allowing a room that has been cleaned but has odours to be freshened up for 30 minutes or even an hour while the staff move on to clean other rooms. For a problem room just increase the time and walk away.

While the cube runs it shows a distinctive blue light within the body as it counts down and displays the remaining time; at completion it stops and sets itself to the previously selected time, ready to go again at the press of a button.

In cycle mode it operates quite differently. The object is to constantly inject a small level of ozone into the environment sufficient to remove unwanted odour but not too much that the ozone itself becomes intrusive.

We do this in 2 ways, firstly by using an easy to read bar display to set and show the ozone output of the device and secondly we use an on/off operation to distribute the ozone in bursts with sufficient strength to be effective. It is much more effective to produce the ozone at a higher level for a shorter time than to simply run a lower continuous output. The ingenious timer runs in a 5 minute cycle and allows you to produce ozone during any period in that cycle from 30 seconds minimum to continuous operation.

This type of operation is perfect for reception areas, for physiotherapists and masseurs using aromatic oils or just to keep the washrooms fresh. The uses keep growing.

Standby operation: When connected to power but not generating ozone, the fan will continuously operate at slow speed in order to purge any ozone gas from the unit

Oxyzone C80 Cube Specifications

C80H Hospitality Cube	Standard ozone Cube for all uses in hospitality and the home
C80C Commercial Cube	Same as above but supplied with a camera type wall mount and fitting on base
C80X Industrial Cube (not yet available)	Designed to be theft and water resistant for use in public areas where vandalism may be an issue. The unit operates in cycle mode only.
Manufacturer	Oxyzone Pty Ltd
Location:	Manufactured in NSW, Australia
Size:	Length 137mm, Width 125mm, Height 149mm
Weight:	900gm, power pack 200gm
Cabinet:	Powdercoated aluminium
Colour:	Supplied as Pearl white but available in corporate colours subject to quantity
Conformal coating:	Exposed circuit board surfaces are protected with silicon based conformal coating
Power requirements:	24vdc at 450mA, supplied by 240vac power pack
Ozone output:	Maximum of 450 mg/hr continuous operation
Ctick:	Compliant N28317
Operation:	Run, Set, Time and Ozone push switches to adjust levels
Displays	10 segment bar graphs for time and ozone output, red/green LED for mode.
Air flow:	80mm Maglev fan with removable filter for cleaning

C80 Cube Operating Instructions

There are 2 modes of operation:

1. **Countdown:** the cube will run for a selected time at a selected ozone output and at the completion of that time it will stop and wait to be restarted. Time range is up to 5 hours in 30 minute increments.
2. **Cycle:** the cube will run at a selected ozone output for a selected on and off cycle repeating **every** 5 minutes; for example 2 minutes on and 3 minutes off. If power is interrupted by a timer then the cycle will automatically restart when power is again applied making it suitable for operation in a reception, office or toilet area. Range of operation is from 30 seconds on and 4.5 minutes off through in 30 second increments to on continuously. During the off period the red LED will flash slowly.

When ozone is being generated the blue LED inside the cube will be on

Select mode of operation: Press 'SET', 'TIME' and 'OZONE' together to change between CYCLE (red LED) and COUNT (green LED)

Adjust Ozone output: Press 'SET' and 'OZONE' together to adjust the level from minimum to maximum in 10 steps

Adjust Time period: Press 'SET' and 'TIME' together to adjust the time period from minimum to maximum in 10 steps

Run/Stop: Press 'RUN' to change between run and stop.