



OZONE GENERATOR

COMMERCIAL DEODORIZER & AIR PURIFIER



**INSTALLATION  
OPERATION  
MAINTENANCE**

THIS DEVICE IS FOR COMMERCIAL AND INDUSTRIAL USE ONLY

**NOT FOR USE IN OCCUPIED AREAS**

## GENERAL:

This device produces ozone and is designed for commercial applications. The ozone output must be ducted into the polluted area or exhaust duct via flexible aluminum hose or rigid PV pipe. The FG unit can be installed outside of the affected room/area, and fresh clean air may be ducted to the air intake side of the unit.

There should be no ozone exposure to humans.

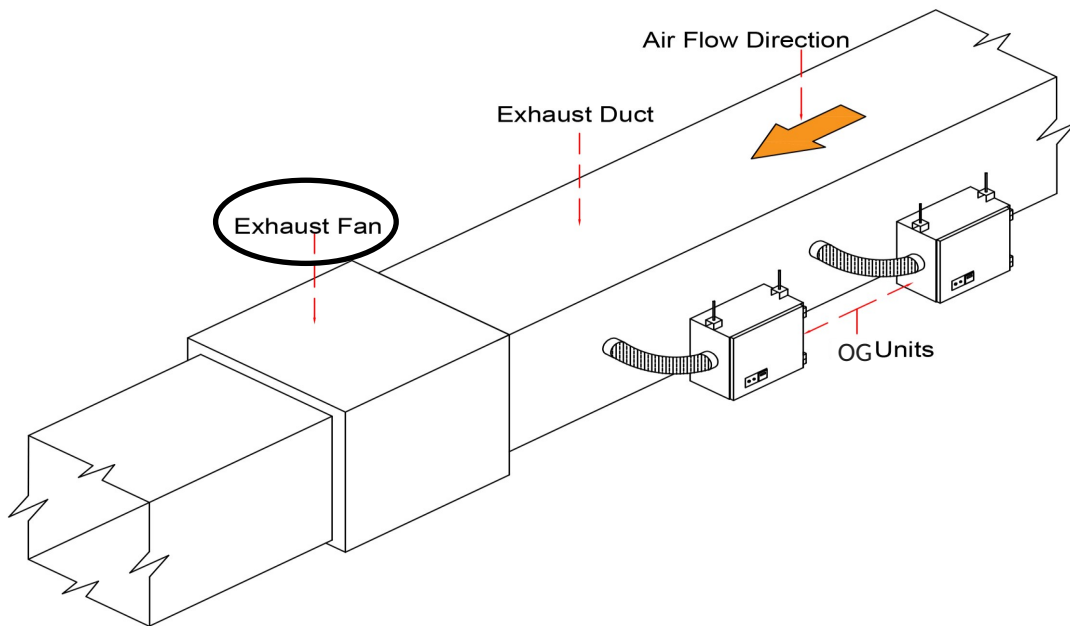
If device is used in kitchen exhaust, it must be INTERLOCKED with the exhaust fan so that device will work only when exhaust air is moving.

**Failure to do so may result in ozone buildup and backflow into the cooking area.**

## WARNING!

### POSITIONING OF OG UNITS WITHIN THE DUCT

OG units must be installed upstream of the exhaust fans for airflow to be in a “PULL” operation, as indicated in diagram below:



**INSTALLING IN THE REVERSE DIRECTION WILL RESULT IN OZONE BACKFLOW INTO THE UNIT , DAMAGING IT, AS WELL AS SENDING OZONE INTO THE OPEN AREA OUTSIDE OF THE DUCT, EXPOSING STAFF TO HARMFUL OZONE.**

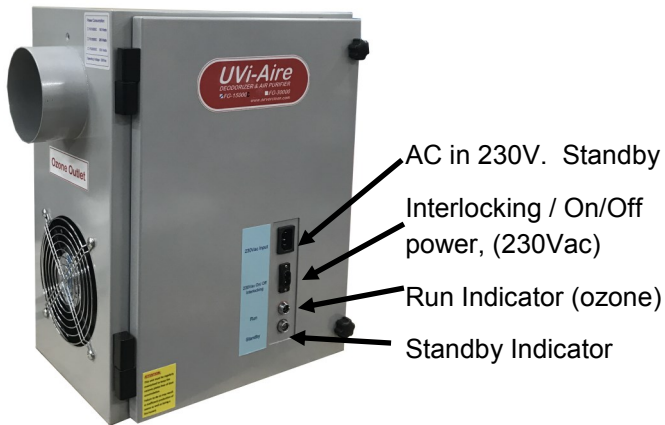
## POWER CONNECTIONS

240 Volt cable - 1PH - provided with unit.

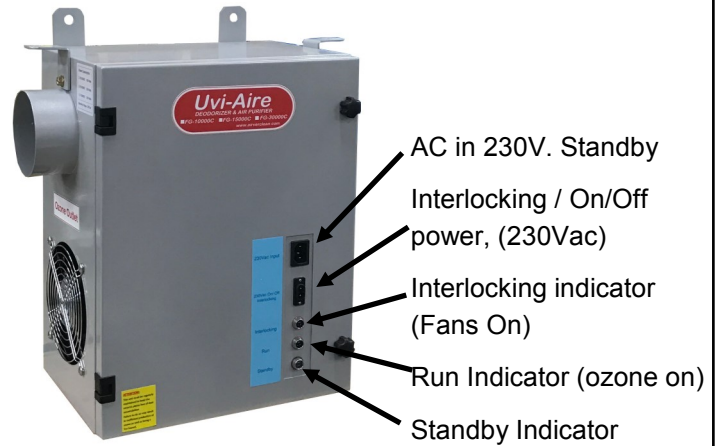
( 3 pin - Plug / Play)



2 Light Indicator Unit



3 Light Indicator Unit

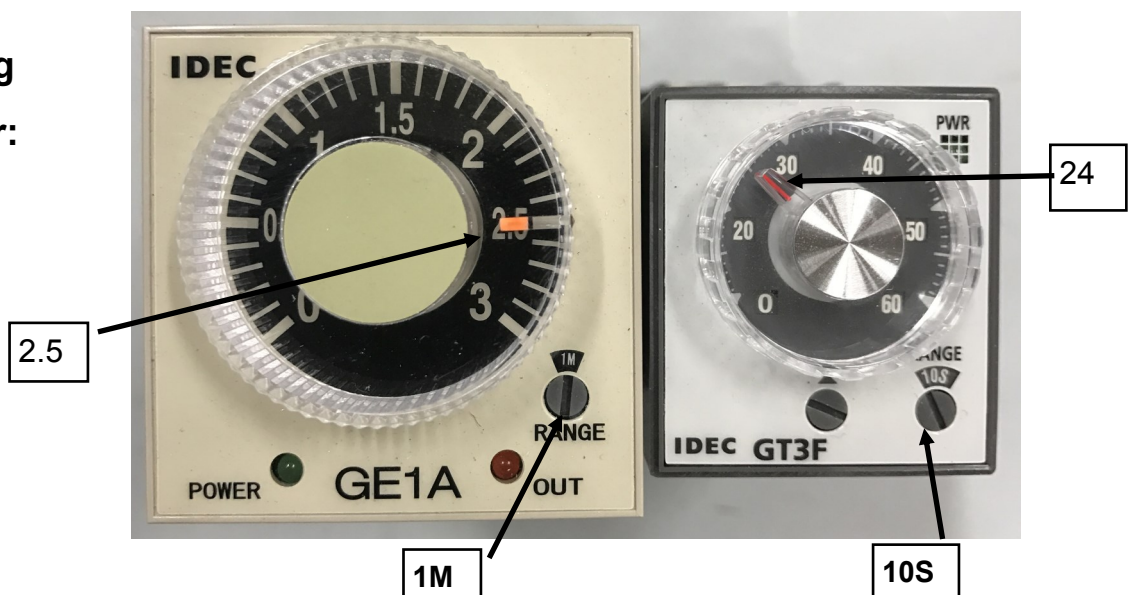


**Sequence of operations:**

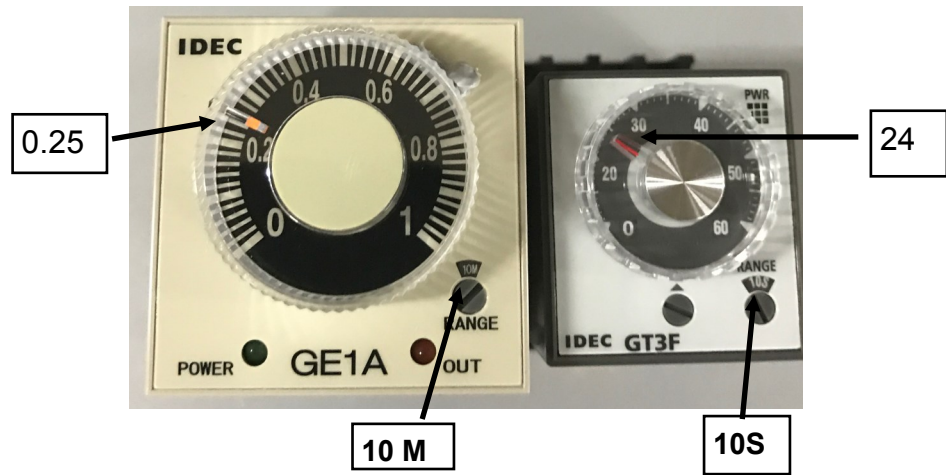
- 1) This unit requires 2 power sources to operate: an incoming 230Vac source on **constant standby** and a 230Vac Interlocking power input to **turn the unit on and off**.
- 2) The 230Vac input to turn the unit on/off may be an interlocking source from the exhaust fan, or may be a direct Ac 230 on/off power source.
- 3) When the 230Vac standby power source is turned on, the Standby LED indicator will light up.
- 4) When the 230Vzc interlocking power is turned on, the blower in the unit will start. (In some later models, an Interlocking LED will light up) **It will run for 2.5 minutes (Timer GE1A)**
- 5) After 2.5 minutes, the ozone generator will switch on, and the Green Run indicator LED will light up. Both Blowers and ozone generators are now operating.
- 6) When the interlocking / on/off power is turned off, the ozone generator will stop operating, but the blowers will continue to run **for another 4 minutes (Timer GT3F)** before the unit reverts to standby mode.

**Timer Setting:** Your unit may have either of the 2 types of Timer ( Scale 1 or Scale 3 ) . Please check and follow the settings according to the timer type below:

**Timers Setting**  
**Scale 3 Timer:**



## Timers Setting Scale 1 Timer:



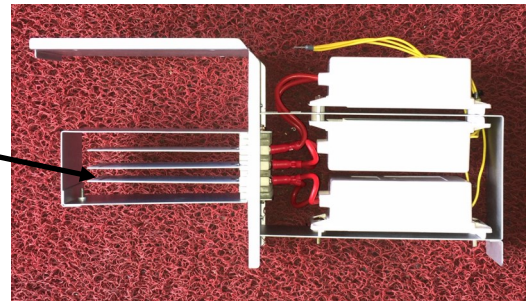
## MAINTENANCE

Ensure both power source are turned off and Ac cables detached from the unit .

Remove the ozone generating module as shown below right:

Clean the plates with cloth or cotton wool damped with mixture of water and alcohol or ammonia

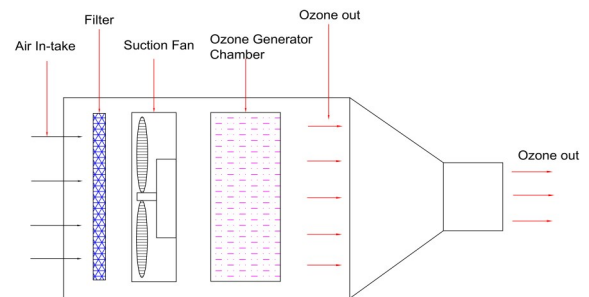
Change the air filters in the unit regularly or depending on dirt level.



### FREQUENCY OF MAINTENANCE:

If the unit is used in a clean environment , quarterly service or checking is recommended

For open areas where dust and humidity is high, monthly service and checks is recommended.



### Ozone production:

This unit uses the oxygen content in the air to produce ozone. The cleaner and dryer the air, the more efficient the unit will operate.

The FG unit is designed to allow for clean dry air to be channeled to the ozone producing plates.

Where possible and desirable, an air duct may be connected to the air intake opening at the rear of the unit.

The duct can be permanently attached to the unit as maintenance is done by removing the whole inner assembly. The filter is also removable from within.



### IMPORTANT NOTICE:

This unit must have clean air intake. Dirty or oily air will cause the unit to malfunction.

If the air going in is not clean , connect a duct to this opening and draw air from a clean source, preferably from a clean air-conditioned area