

CONTROLLED OZONE MONITOR

SELF CONTAINED OZONE MONITOR WITH CONTROLLED OZONE OUTPUT
 IDEAL FOR COMMERCIAL KITCHEN APPLICATIONS

INFORMATION

The Co Monitor can be installed to control the amount of ozone being discharged either at the point of termination of the extraction ducts or in areas that are sensitive to exposure to ozone levels that exceed permitted levels. Once the monitor detects high levels of ozone it will communicate with the Controlled Ozone Injector and stop generating ozone until safe levels are reached.

Using a Co Monitor will give long term safeguards from excess ozone with the minimum of servicing as opposed to using ozone destruct filters or masking agents neither of which do not control the discharge levels of ozone.



Features

- Adjustable PPM level detection
- Plug and play monitoring
- Replaceable GSS sensors
- External control outputs
- Compatible with existing BMS interface

SPECIFICATION

- Sensor type - Analytic Gas Sensitive Semiconductor
- Sensor specifications – Gaseous Ozone
- Sampling method - Active sampling
- Operational mode - Continuous Control
- Visual monitoring indicators -
 - Green: power on
 - Amber: monitoring ozone level
 - Red: ozone limit exceeded – ozone production suspended
- Operational temperature - 0°C to 40°C
- Operational relative humidity - 10% to 90% non-condensing
- Warm up time - 10 minutes
- Relay set point - User configurable
- Digital output - RS 232 and RS 485
- Analog output - 0-5 VDC (8 bit)
- Relay output - 24 V; 5A (max.)
- Power supply - 12 VDC; Powered from Ozone unit
- Operating environment - -5 to 50°C | 5 to 95% RH (non condensing)
- Enclosure rating – Weatherproof
- Enclosure dimensions - 155W x 200H x 95Dmm
- Enclosure casing - Flame resistant thermoplastic
- Enclosure mounting - Screw fix
- Weight – 1.5 KG
- Approvals - Part 15 of FCC Rules
- EN 61000-6-3: 200
- EN 61000-6-1: 2001

APPLICATIONS

- Ozone emission level detection
- Control of ozone
- Health and safety monitoring
- External and Internal air quality monitoring benefits
- Real-time ozone gas concentrations continuously monitored
- Alarm and data logging options available
- Active sampling for improved accuracy

INSTALLATION

The connection for the air pressure pipe on the Co515 monitor needs to be connected via a pitot tube to the ductwork (as close to the final discharge point as possible) to monitor the amount of ozone being discharged. There will be two pitot tubes in the CMS400 kit - one for the controller to turn the ozone units on when the extraction is on, one for the ozone monitor.

The LEDs are a visual indication for the following:

Green	Power to the unit
Amber	Monitor is active and monitoring the amount of ozone being produced
Red	Ozone level above threshold and signal sent to controller to turn ozone generators off) <i>This will restore to the amber/green monitoring mode when the ozone level drops back down to below 0.3ppm.</i>

TO ACTIVATE THE WARRANTY ON THIS PRODUCT PLEASE REGISTER AT

www.ecoverinnovations.com/warranty-registration