

## SM60

### Ozone Controller / Switch

#### Features

- Accurate control of ozone in air
- Ideal controller for ozone generators
- Low sensor drift via active sampling
- Large LED status indicators
- Adjustable relay set point
- Relay switch outputs
- Analog 0-5V output
- RS 232 | RS 485 outputs
- Robust and reliable



#### Specifications

Sensor type	Analytic GSS Technology @ <i>Gas Sensitive Semiconductor</i>
Sampling method	Active sampling via fan
Operational mode	Continuous control
Warm up time	10 minutes (max. accuracy)
LED status indicators	Green = sensor ON/OFF   Amber = relay energized (i.e. O <sub>3</sub> generator ON/OFF)
Relay set point	Adjustable via dipswitch (OZL default = 0.1 ppm)
Control band	10% hysteresis (avoids O <sub>3</sub> generator "hunting")
Digital outputs	RS 232   RS 485
Analog output	0-5 VDC (8 bit)
Relay outputs	Normally Open   Normally Closed   Common
Primary relay rating	24V   2A (use with secondary relay for switching high voltage loads)
Power supply	12 VDC   800 mA   Plug-in AC power adaptor supplied
Enclosure rating	IP20 & NEMA 1 equivalent
Enclosure dimensions	130 W x 94 H x 57 D (mm)   5 1/8 W x 3 3/4 H x 2 1/4 D (in)
Enclosure casing	Flame resistant thermoplastic PS
Enclosure mounting	Screw fix
Weight	225 g   8 oz (excludes AC power adaptor)
Approvals	Part 15 of FCC Rules EN 61000-6-3: 2001 EN 61000-6-1: 2001



#### Ozone Sensors (Contact Aeroqual for other gases)

Sensor	Calibrated Range	Maximum Exposure	0-5V Output Scale	Accuracy	Output Resolution	Response Time T <sub>90</sub>	Operating Conditions
OZL	0-0.5 ppm	1 ppm	0-0.500	<± 15%	0.002 ppm	< 60 s	-5°C to 40°C
OZH	0.5-20 ppm	25 ppm	0-50	<± 15%	0.2 ppm	< 60 s	5 to 95% RH *

\* Non-condensing