aeroQUAL

LENNTECH
info@lenntech.com   Tel. +31-152-610-900
www.lenntech.com   Fax. +31-152-616-289

Series 130s

Ozone Controller

Features

- Active sampling for accuracy
- LED ozone level indicator
- Low service maintenance
- Replaceable sensor head
- Tamperproof enclosure
- Water & dust resistant
- Alarm & control outputs
- Simple plug & play

Applications

- Ozone generator control
- Industrial monitoring
- Health & safety
- Alarm systems

Tri-colour LED level indicator
Replaceable sensor head
Relay switching contacts
Power supply included
Adjustable set points
Dual-alarm mode
Control mode

Specifications

Power supply	12VDC (switching power adaptor 100-240VAC supplied)
I/O connectors (power, control signal)	Screw terminals and cable gland
Setting control and alarms	Dip switches (Alarm/Control Mode and relay/alarm set point)
External signal for control and switching	Relays x 2 | 28V max | 150mA max
External signal functions	Low Alarm | High Alarm | Control
Removable / replaceable sensor head	Yes (sensor head can also be refurbished)
Audible alarm	Piezoelectric (active in Alarm Mode)
LED status indicator (tri-colour)	Alarm levels | Control band | Diagnostics
LED colour key	Yellow = Ozone concentration is below low alarm limit
	Green = Ozone concentration is between low and high limits
	Red = Ozone concentration is above high alarm limit
Enclosure casing and rating	Fibre reinforced plastic; IP41 & NEMA 2 equivalent
Enclosure size	180W x 110H x 90D (mm); 7⅛W x 4¾H x 3½D (in)
Weight	< 850 g; < 30 oz
Approvals	Part 15 of FCC Rules
	EN 50082-1: 1997
	EN 50081-1: 1992

Ozone Sensor Head	Calibrated Range	Maximum Exposure	Lowest Detection Limit	Accuracy of Calibration	Response Time (T90)	Operating Conditions
Low	0-0.5 ppm	1 ppm	0.001 ppm	$<\pm0.008$ 0-0.1 ppm; $<\pm10\%$ 0.1-0.5 ppm	< 60 s	Temperature -5 to 40°C; Humidity 5 to 95% RH non-condensing
High	0-10 ppm	15 ppm	0.01 ppm	$<\pm0.1$ppm 0-1 ppm; $<\pm15\%$ 1-10 ppm	< 60 s	

Aeroqual Limited