

SL-2 Ozone Safety Light Instruction Manual



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It is the responsibility of the operator to read and fully understand the contents of this manual. Any malfunction that could have been prevented by reading the manual will not be covered under warranty should repairs be needed.

Introduction:

The SL-2 Ozone Safety Light is designed to give a quick visual reference to the ozone level present in an area. The unit has been set to indicate a visual alarm at the OSHA limit of 0.1 PPM. The SL-2 can be used to warn occupants of high levels of ozone and potentially unsafe working conditions.

Installation:

The SL-2 can be mounted on any wall or secure structure as long as the indicator lights are clearly visible and the ozone sensor is free from obstruction. Ensure at least 2 inches of open space from the ozone sensor port. The ozone sensor port is located on the left side near the bottom of the unit. The unit should be placed near any area that may be known for producing ozone, but not so close that it may warn prematurely. The SL-2 should be placed in a clean environment free of dust & moisture.

IMPORTANT- This SL-2 is designed for indoor use only

IMPORTANT- The SL-2 should not be operated in relative humidity's exceeding 80%

IMPORTANT – The SL-2 should not be exposed to water or water spray

Connect the SL-2 cord to a 110V/60Hz outlet. The sensor requires 1 hr of warm-up time to accurately detect the ozone levels. The unit can be adjusted to warn at levels between 0.03 PPM and 0.1 PPM. The factory default setting is 0.1 PPM. This can be adjusted by removing the sensor unit from the case and removing the cover from the bottom of the sensor unit. Once the cover is removed you may adjust the relay output switch located on the top left corner of the sensor board. The dial indicates numerical values which are equivalent to its corresponding ozone concentration in PPB. Example: 30 = 0.03 PPM (30 PPB) and 100 = 0.1 PPM (100 PPB).

Operation:

Once the SL-2 is supplied with power the green light should illuminate. If the ozone level rises above the setpoint (0.1 PPM in this case), the red light will illuminate and the green light will turn off. Once the ozone level decreases to 0.1 PPM, the red light will go off & the green light will illuminate.

Maintenance:

The SL-2 requires yearly recalibration of the ozone sensor. This should be performed by one of Ozone Solution's qualified technicians. The recalibration is done to ensure that the Ozone sensor has not strayed from its original calibration. Contact Ozone Solutions for returning the sensor for calibration at 712-722-0337.

Ozone Sensor Specifications:

The ozone sensor that detects the ozone is an OS-1X from Ecosensors, Inc. It is the main component that senses the ozone and initiates the relay to illuminate the light. Please read the OS-1X manual before operating the SL-2 to ensure proper implementation & environmental conditions.

Specifications:

Individual Light Diameter – 1-3/4”

Individual Light Height – 1-1/2”

Chassis Dimensions – 23”L x 5.5”W x 4”D

Weight- 3.5-lbs

Power Requirement: 115 Volts - 60Hz

Service Parts:

The SL-2 set to factory specifications (0.1 PPM) and servicing should not be completed by the customer. Please contact Ozone Solutions, Inc. if any malfunction occurs or a light does not illuminate.

Warranty:

The SL-2 is warranted for one year for components and workmanship. The warranty date is based on the date of your invoice.

The manufacturer is not responsible for any damage or injury caused by improper installation or operation of this product. Any attempt to repair the units by unqualified personnel will void the warranty. Repairs should only be done by personnel approved by Ozone Solutions.

How to contact Ozone Solutions, Inc.

By mail:

Ozone Solutions, Inc.

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Sioux Center, IA 51250 USA

By telephone: (712) 722-0337

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