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OZ 3000 Ozone Monitor

The OZ 3000 has been designed to measure Ozone in a room or area. The unit is designed to be mounted in the area and measure the Ozone content in the air. It can be used to measure the Ozone in the area where an Ozone generator is used, or an Air Purifier is used to purify the air in the room.

The unit is designed to measure Ozone from 0-100 ppb (parts per billion). The unit has a relay output and a 4-20 ma output for control and alarming purposes. The OZ 3000 is housed in an ABS plastic case for easy mounting and installation in wide set of conditions. It is power by a 120 V power source and supplies all the power for continuous operation.



Specifications

Sensor	Semiconductor gas sensor
Detection Gas	Ozone (O ₃)
Detection Range	0-100 ppb
Response	30 Seconds
Initial Warm Up Time	10 Minutes
Relay Output	Contact Closed at 60 ppb Contact Rating – 24VDC, 2A Maximum
Current Output	4-20 ma (External Load Resistor 0-250 Ohms)
Normal Operating Temperature	0-40 C (32 to 110 F)
Storage Temperature	-10 to 60 C (14 to 140 F)
Power Supply Voltage	120 VAC (DC Supply 8-15 VDC, 300 ma Minimum)
Protective Case	ABS Plastic
Weight and Case Dimensions	8 Oz. Dimensions 6"L X 3.4" W X 1.5"H

Connector Wiring

Pin No.	Color	Function
1	Yellow	Relay Output N.O. Contact
2	Blue	Relay Output Common (Wiper)
3	Red	Relay Output N.C Contact
4	Black	Common (GND)
5	White	Output 4-20 mA (+)
6	Green	Output Common for 4-20 mA (-)
7	Purple	Output Sensor Signal
DC Power Jack		8-15 VDC (300mA Minimum) Center pin-Plus

Note:

Scale: 4 mA = 0 ppb

20 mA=200 ppb

Switch Point: 7.5 to 8.5 mA (60ppb)

Operation

The Monitor starts operation in 3 minutes after power on.

After that, the output is released every 250 ms.

NOTE: IF THE MONITOR IS STORED FOR A LONG PERIOD OF TIME WITHOUT POWER, PLEASE CONTINUOUSLY SUPPLY DC FOR MORE THAN 4 DAYS TO ENSURE MONITOR ACCURACY.