

Warning Alarm and Gas Detector



The warning alarm and gas detector is designed to measure and control ozone concentrations ozone in the range 0-200 ppm using a single beam UV photometer, and to communicate to a variety of hardware systems. It also measures temperature and relative humidity and transmits this on the RS485 output. The monitor contains a pump to provide sample flow. Sample tubing is attached via the inlet compression fitting. An ozone scrubber is fitted to the exhaust line inside the unit. It can be used as a simple relay controller using the alarm or control outputs which are open collector current sinks

Specifications

Calibrated Range: 0-200 ppm Ozone

Precision: $<\pm 5\%$ of reading above 0.2 ppm, ± 0.01 ppm below 0.2 ppm

Environmental operating conditions: Temperature: 0-40°C

RH: 0-95% RH (non-condensating)

Analog outputs: 4-20mA (opto-isolated) 12-24V DC (30V DCmax)
maximum loop resistance 500Ω at 24V, 16 bit resolution

Transistor outputs: 4 x transistor outputs (Control, Diagnostics, High Alarm, Low Alarm)

User configurable set points: Low alarm, High alarm

Control Inputs: Standby toggle (turns off pump)

