

4 or 8 Multichannel Controller

Features

- ✓ Designed to control and power 4 to 8 monitors
- ✓ Connects any 2 wire or 3 wire gas sensors
- ✓ Common Dual alarm relays
- ✓ Digital and graphic LCD gas concentration display
- ✓ RS-485 / Modbus RTU output
- ✓ Built-in power supply
- ✓ Low acquisition price
- ✓ NEMA 4X IP65 water resistant enclosure
- ✓ Ce listed



The PureAire Multichannel Controller is designed to provide simple analog control or full featured digital control of toxic, LEL and oxygen deficiency monitors. It's supplied in a 4-channel or 8-channel version and can power and operate remote gas detectors up to 100 feet away.

Capable of accepting any two or three wire gas detector, it features two user-adjustable common alarm relays that can be used for alerting personal to a gas release or to a fault from a remote gas sensor. The Multichannel Controller also incorporates various modes of operation for taking channels off line individually for performing calibration or sensor maintenance.

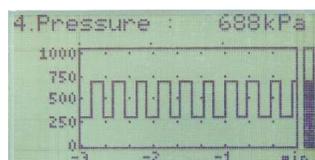
Each channel can be individually designated with, PPM, PPB or %. The LCD graphical display allows for visualization of the values from all 8 channels simultaneously. It's also capable of viewing the trends in each measuring channel in graphical form over a time period.

A graphic LCD displays monitored data as trends and engineering units. Analog 4-20mA inputs may be accepted and controlled its built-in RS-485 Modbus port allows complete data transfer.

An example of the various displays



8-channel view displayed at the same time

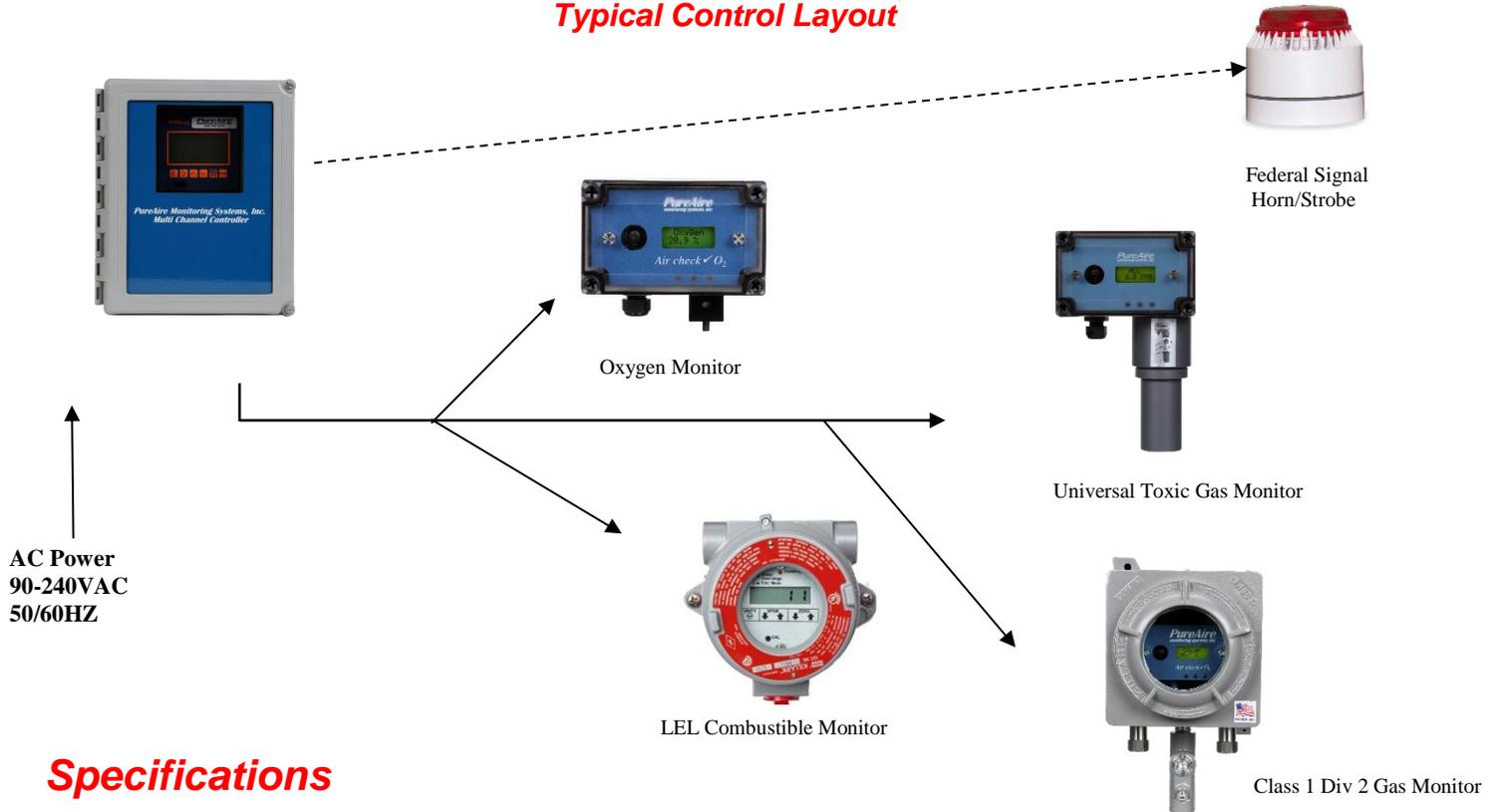


The history of the process in time



The current value of the measurement signal

Typical Control Layout



Specifications

Multifunctional	4 or 8 toxic gas and oxygen monitors. 2 wire loop or 3 wire inputs
Display	LCD graphic display, 128 x 68 points, with backlight
Operating Temperature	0 to + 50 C
Humidity	0 – 100% condensing
Signal Outputs	Dual User Selectable Relays, NO type (200mA, 24VAC / 35 VDC)
Communication interface	RS-485, 8N1 and 8N2, 1200 bit/s ÷ 115200 bit/s, Modbus RTU, galvanically separated
Baud Rate	1200 bit/s to 115200 bit/s
Power Requirements	115 / 230VAC 50/60HZ
Enclosure (wall mounted)	NEMA 4X IP 66 water resistant
Dimensions	10.5" x 9" x 6.25"

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