GASES DETECTED

CO_2 | O_2

Ax60+

Multi-gas Safety Monitor with Data Output Module

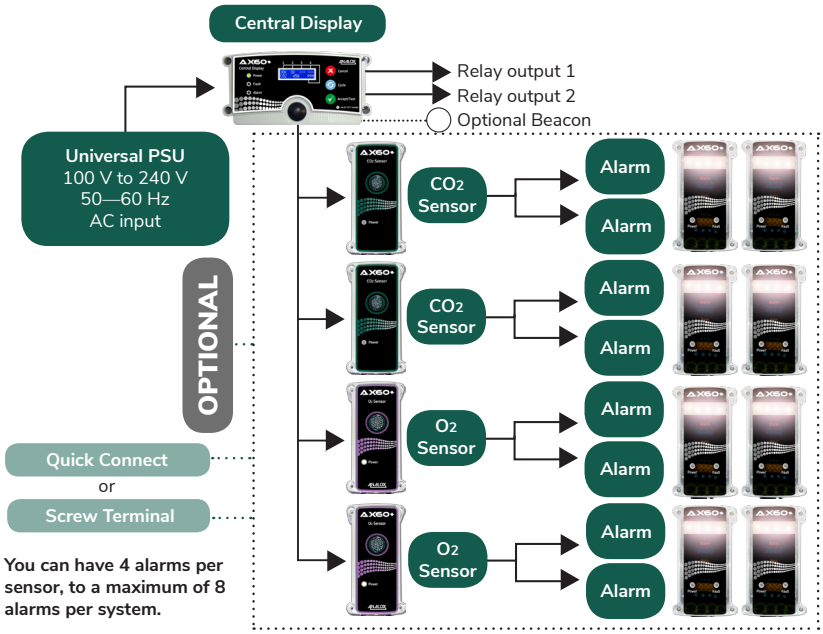
The Ax60+ is a wall-mountable gas safety device for monitoring oxygen and carbon dioxide. Based on the popular Ax60 CO_2 detector, the new Ax60+ can also be supplied with O_2 sensor modules which provides an early warning of both oxygen depletion and oxygen enrichment. The CO_2 and O_2 sensors are interchangeable and can be fully integrated as part of a multi-point, multi-gas detection and alarm system.

The CO_2 sensor is set by default to trigger a low-level alarm at 1.5% CO_2, an evacuation alarm at 3% CO_2 and a time-weighted average alarm of 0.5% CO_2 measured over eight hours. The O_2 sensor is set by default to trigger low-going alarms at both 19.5% and at 18% and a high-going alarm at 23%. The alarm setpoints can be changed by the user. Warnings are announced by high-visibility strobe lights and high-volume sounders.

A Data Output Module can now be purchased as an accessory for the Ax60+. The module uses 4-20mA and MODBUS RTU communications to transmit real time updates of sensor activity and status to a Building Management System (BMS) or central control panel.

KEY FEATURES

- Multi-point, multi-gas, distributed monitoring system
- 4-channel flexibility allowing any fixed sensor combination
- Central display unit for remote operation and control
- User-configurable alarms, setpoints and relay outputs
- Built-in software for operation and maintenance tasks
- Ability to connect to a BMS or central control panel



You can have 4 alarms per sensor, to a maximum of 8 alarms per system.

Manufactured in Great Britain

PROVIDING NICHE CUSTOM GAS DETECTION SINCE 1981

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SPECIFICATIONS

Alarm set points can be changed by the user.

System Specification	
Variable	**System**
Warm-up time	40 seconds
Operating temperature range	–5 °C to +50 °C, +23 °F to +122 °F
Approvals	CE, EN50270, IEC 61010 (UL), DIN 6653 (TUV)
Warranty	5 years electronics

Central Display Specification	
Variable	**Central Display**
Display	LCD dot matrix (backlit)
Relays	2 x high powered configurable relays, rated for 250V AC/ 30V DC, 3A max
IP rating	IP54
Maximum power consumption	<24 W
Power supply accepts inputs from	100 - 240V ~ 1.5A
Dimensions	2.6”/67mm x 4”/106mm x 6.9”/175mm (w x h x d)

Alarm Specification	
Variable	**Alarm**
Strobe	white LED strobe > 100 cd (optional blue, red and amber filters)
Sounder	min 80 dBA @3 m (9.8 feet)
IP rating	IP55
Warranty	5 years electronics
Dimensions	1.7”/45mm x 5.1”/132mm x 3”/72mm (w x h x d)

Sensor Specification		
Variable	**CO_2 Sensor**	**O_2 Sensor**
Gas detected	Carbon Dioxide	Oxygen
Measurement technique	Infrared	Electrochemical cell
Range	0.1% to 5%	0.1% to 25%
Default alarm set-points	0.5% (8 hr TWA), 1.5%, 3%	18% (low), 19.5% (low), 23% (high)
IP rating	IP55	IP55
Warranty	5 years	5 years graded
Response time	(T90) <30 seconds	(T90) <30 seconds
Dimensions	2”/52mm x 5.1”/132mm x 3”/72mm (w x h x d)	2”/52mm x 5.1”/132mm x 3”/72mm (w x h x d)

Data Output Module Specification - Communication Technology: 4-20mA & MODBUS RTU		
Variable	**4-20mA**	**MODBUS**
Channels of communication	4 (1 per sensor)	1 over RS 485
Dimensions are as per alarm	Sensor measured variable CO_2 or O_2	All variables, alarm status and faults

Analox has a policy of continuous improvement and we reserve the right to upgrade or change specifications without prior notice.
Full technical specifications are available upon request and can be found in the User Manual.
If you require a datasheet in another language please contact us.

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Use the above details to contact us if this literature doesn't answer all your questions.

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.