

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 CO2 detector, the new Ax60+ can also be supplied with O2 sensor modules which provides an early warning of both oxygen depletion and oxygen enrichment. The CO2 and O2 sensors are interchangeable and can be fully integrated as part of a multi-point, multi-gas detection and alarm system.

The CO2 sensor is set by default to trigger a low-level alarm at 1.5% CO2, an evacuation alarm at 3% CO2 and a time-weighted average alarm of 0.5% CO2 measured over eight hours. The O2 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

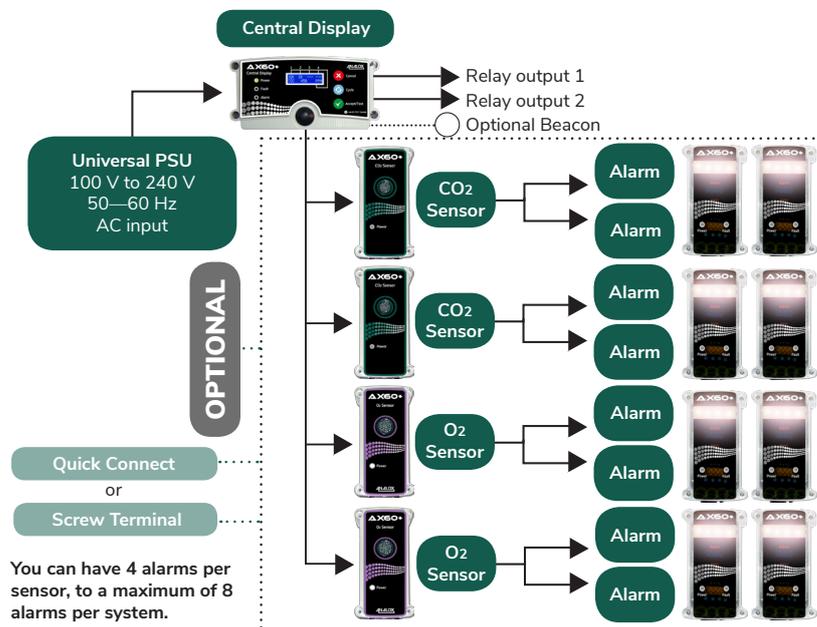
4-channel flexibility allowing any fixed sensor combination

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



Manufactured in Great Britain

PROVIDING NICHE CUSTOM GAS DETECTION SINCE 1981

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

Analog 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.

