MSA GasGard® XL Controller

A reliable partner for hazardous gas monitoring.

Multi-channel, wall-mounted economical controller for all of your gas monitoring needs.

The GasGard XL Controller from MSA is a versatile and easy to use controller for monitoring toxic and combustible gases, and oxygen deficiency. This controller provides protection from potentially hazardous conditions in a variety of industrial, chemical, municipal, and waste water applications. The GasGard XL Controller offers reliability in a compact, durable, wall-mounted housing constructed of fire-retardant ABS plastic. The large and clear multi-language LCD display provides real-time target gas readings and events, offers full system diagnosis, and is supported by individual LEDs per channel with common relays and internal buzzer.

The GasGard XL Controller can be easily configured to accept up to eight remote gas sensors, depending upon the number of individual plug-in input cards installed. With two alarm levels per channel, the GasGard XL Controller operates in conjunction with MSA's remote gas sensors (combustible, toxic, or oxygen 4 –20 mA). Ideal for use with MSA Ultima® X Series Gas Monitors, FlameGard® Flame Detectors, and SafEye™ Open Path Gas Detection Systems, this controller's ergonomic design allows for efficient wiring and installation.

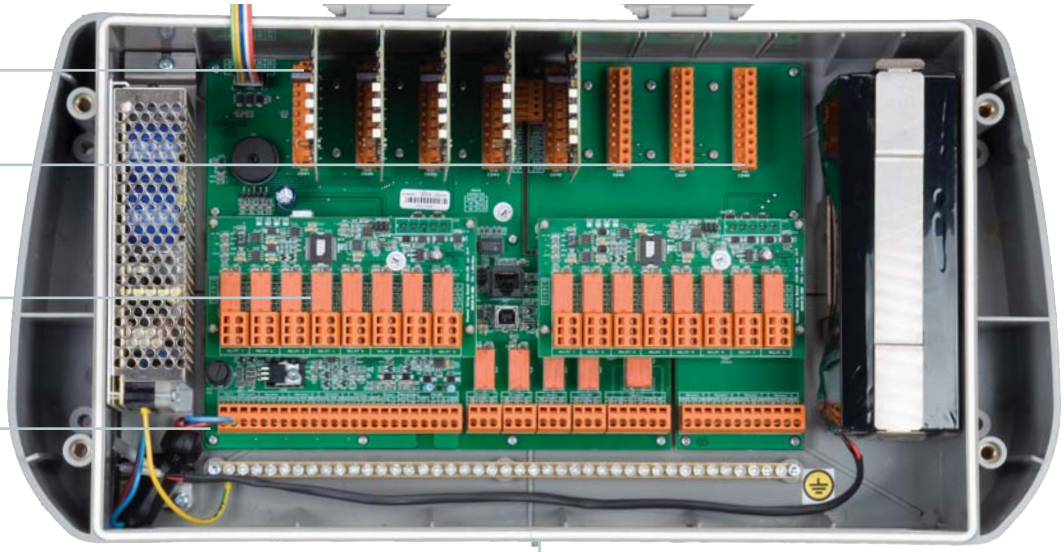
Features and benefits

- Fully configurable via USB or RS485 Modbus connection
- Event log upload through isolated Ethernet RS 485 or USB
- Multi-language display selectable via controller menu
- Expandable up to 8 independent channels using plug-in boards
- Dedicated keys make all functions accessible from the front panel
- Common relay board for Alarm Level 1 and 2, Horn 1 and 2 or Failure
- Large graphic display with intuitive icons; all channels shown at a glance
- Internal buzzer 85 dB

MSA
The Safety Company

Easy installation

The GasGard XL Controller's efficient and ergonomic design allows for fast and convenient installation.



Specifications

Power supply	85 VAC–256 VAC 50/60 Hz 24 VDC nominal range 18 – 32 VDC
Sensor power supply	18 – 32 VDC
Connection modes	2, 3 wires
Terminal board	Sensor connection for wires up to 2.5 mm^2
Input signals	4 –20 mA
Alarm thresholds	ALARM 1 [Warning] adjustable from 5 to 100% f.s. ALARM 2 [Alarm] adjustable from 5 to 100% f.s.
Electronic speed of responsive	< 1s to reach 100% f.s.
Span/zero drift	< ±0.5% f.s. ±1 digit/month
Accuracy/repeatability	< ±1% f.s. ±1 digit
Operating temperature	–10 °C to +50 °C
Storage temperature	–20 °C to +75 °C
Ambient humidity	95% RH non-condensing
Ingress protection	IP56, NEMA 4X
Dimensions [W x H x D]	20 x 11 x 5 inches
Weight	11 lbs. to 17.6 lbs. (with battery)
Housing material	ABS plastic high resistant fire retardant grade UL-94V-0
Backup battery	2.2 Ah (optional)

Approvals

cCSAus, UL/CSA 61010-1
CSA 22.2 No.152 and ISA 12.13
ATEX 94/9/EC
EN 50270 (EMC)
EN 50402
EN 61010-1 (Low Voltage Directive)
EN 61779-1
EN 61779-4

Accessories

Channel board 4 –20 mA	10081674
Channel relay board	10081677
Sensor extension board for channels 5 – 8	10081676
Back-up battery pack kit 2.2 Ah with holder and screws	10089924

Note: This Bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products.

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