

# GasGard<sup>®</sup> XL Controller

A reliable solution for hazardous gas monitoring.



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

The GasGard XL Controller from MSA Safety 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's gas and flame detectors, this controller's ergonomic design allows for efficient wiring and installation.

## Features and benefits

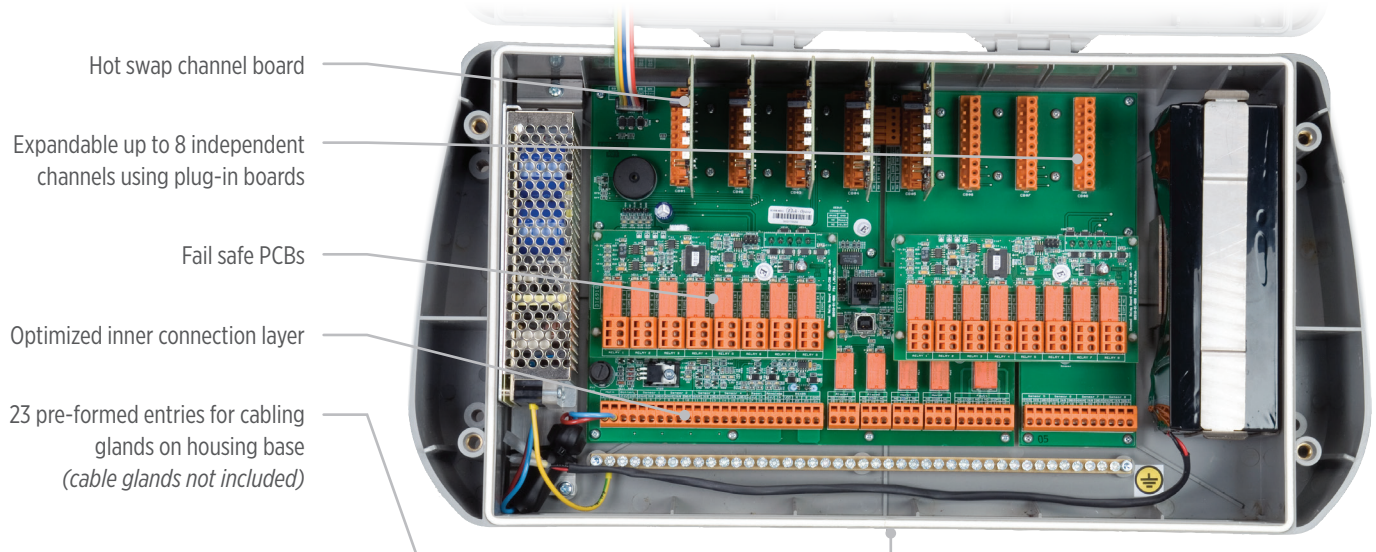
- Fully configurable via USB or RS-485 Modbus connection
- Event log upload through isolated Ethernet RS-485 or USB
- Multi-language display selectable via controller menu
- Expandable up to 8 independent channels using plug-in boards
- Dedicated keys make all functions accessible from the front panel
- 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
- 85 dB internal buzzer
- Cloud-enabled remote monitoring and notifications available using FieldServer FGFD ProtoAir Gateway

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## Easy installation

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



## Specifications

<b>POWER SUPPLY</b>	85 VAC–256 VAC 50/60 Hz 24 VDC nominal range 18–32 VDC
<b>SENSOR POWER SUPPLY</b>	18–32 VDC
<b>CONNECTION MODES</b>	2, 3 wires
<b>TERMINAL BOARD</b>	Sensor connection for wires up to 2.5 mm <sup>2</sup>
<b>INPUT SIGNALS</b>	4–20 mA
<b>ALARM THRESHOLDS</b>	ALARM 1 [Warning] adjustable from 5 to 100% f.s. ALARM 2 [Alarm] adjustable from 5 to 100% f.s.
<b>ELECTRONIC SPEED OF RESPONSIVE</b>	< 1s to reach 100% f.s.
<b>SPAN/ZERO DRIFT</b>	<±0.5% f.s. ±1 digit/month
<b>ACCURACY/REPEATABILITY</b>	<±1% f.s. ±1 digit
<b>OPERATING TEMPERATURE</b>	–10°C to +50°C (+14°F to +122°F)
<b>STORAGE TEMPERATURE</b>	–20°C to +75°C (–4°F to +167°F)
<b>AMBIENT HUMIDITY</b>	95% RH non-condensing
<b>INGRESS PROTECTION</b>	IP56, NEMA 4X
<b>DIMENSIONS [W x H x D]</b>	20" x 11" x 5"
<b>WEIGHT</b>	11 lb. to 17.6 lb. (with battery)
<b>HOUSING MATERIAL</b>	ABS plastic high resistant fire retardant grade UL-94V-0
<b>BACKUP BATTERY</b>	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

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

Note: This Bulletin contains only a general description of the products shown. While product uses and performance capabilities are generally described, the products shall not, under any circumstances, be used by untrained or unqualified individuals. The products shall not be used until the product instructions/user manual, which contains detailed information concerning the proper use and care of the products, including any warnings or cautions, have been thoroughly read and understood. Specifications are subject to change without prior notice. MSA is a registered trademark of MSA Technology, LLC in the US, Europe, and other Countries. For all other trademarks visit <https://us.msasafety.com/Trademarks>.

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