GasGard® 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.
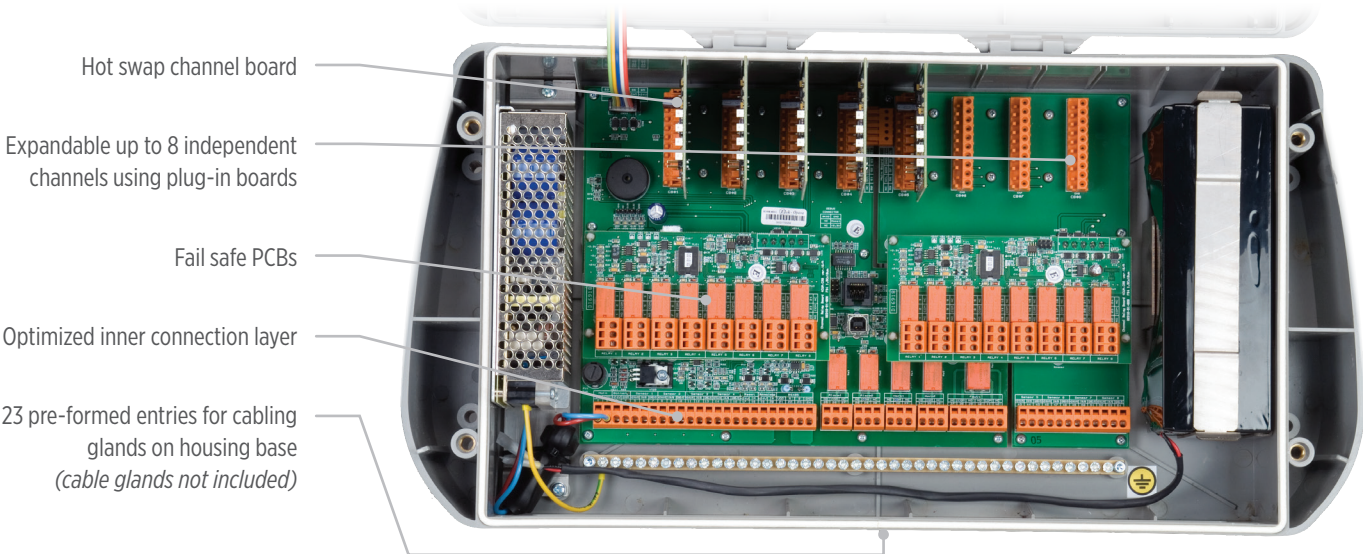
Features and benefits

- 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

Learn More:

WE KNOW WHAT'S AT STAKE.

Easy installation

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

Hot swap channel board

Expandable up to 8 independent channels using plug-in boards

Fail safe PCBs

Optimized inner connection layer

23 pre-formed entries for cabling glands on housing base
(cable glands not included)

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 mm²
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 (+14°F to +122°F)
STORAGE TEMPERATURE	–20°C to +75°C (-4°F to +167°F)
AMBIENT HUMIDITY	95% RH non-condensing
INGRESS PROTECTION	IP56, NEMA 4X
DIMENSIONS [W x H x D]	20" x 11" x 5"
WEIGHT	11 lb. to 17.6 lb. (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

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

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