MGS-408 Gas Detection Controller

For Safety Compliance in Refrigeration Applications

DESCRIPTION

MSA Bacharach's MGS-408 Gas Detection Controller centralizes the status of up to 8 gas detection channels in a single location. The digital display provides a real-time view of the gas concentration and status at each gas detection point. It also allows for the controller to be configured in minutes via the intuitive menu system. A bank of LEDs corresponds to each connected gas detector; showing power, alarm status and fault indicators. The MGS-408 can provide power for up to 8 gas detectors, which can be daisy-chained along with Modbus communication to each gas detector; simplifying and reducing the cost of installation. Integration is possible with MSA Bacharach's MGS-400 Series, MGS-250 and MGS-550 Gas Detector platforms; allowing for a gas detection system design which can utilize the benefits of multiple gas detector types as required in different locations (machinery rooms, cold storage rooms, walk-in freezers and food preparation areas).

Combining the MGS-408 with MSA Bacharach's range of gas detectors provides a single system with an easy means of achieving compliance with refrigeration safety standards such as EN 378 and ASHRAE 15.

Features	Benefits
LED Status Indication	At-a-glance visualization of whole gas detection system alarm status
Integrates with Gas Detectors	Integrates the MGS-250 MGS-410, MGS-450, MGS-460 and MGS-550; creating a system suitable for applications with different requirements at multiple monitoring points
Power Gas Detectors	Saves time and money on electrical installation
Modbus RTU Master to Gas Detectors	Gathers full set of gas detector status
Modbus RTU Slave to BMS / BAS	Integrates into BMS / BAS or refrigeration controllers
Event logging via SD Card	Retains / exports alarm and status history of the gas detection system
Display Screen	Displays real time data from all gas detectors in the system and offers simple configuration of controller
Audible and Visual Alarms	Complies with ASHRAE 15 / EN 378 - no additional hardware

Part Number	Description
6702-8000	8-Channel Gas Detection Controller

Parts & Accessories

Part Number	Description
1100-2307	External Strobe (Red Lens)
1100-2308	External Strobe (Green Lens)
1100-2309	External Strobe (Blue Lens)
1100-2310	External Strobe (Yellow Lens)

MORE INFORMATION:

Scan the QR code to learn about the MGS-408 and other MSA Bacharach products.

SAFEGUARDING
PEOPLE, PLACES, & THE PLANET

MGS-408 Gas Detection Controller

Product Attributes	Description
USER INTERFACE	Front panel push buttons
RELAYS	1 × Fault, 1 × Low Alarm, 1 × High Alarm
SERIAL PORTS	1 × RS485 Modbus RTU Slave for BMS / BAS, 1 × RS485 Modbus RTU Master for Gas Detectors
AMBIENT TEMPERATURE RANGE	32 - 113°F (0 - 45°C)
POWER	100 - 240 VAC, 50/60 Hz, 80W (max)
SIZE (W×H×D) APPROX.	11.0" × 8.5" × 3.9" (280 × 215 × 100 mm)
WEIGHT APPROX.	2lb, 12.1oz (1250 g)
CABLE ENTRIES	2 × M20 / 1/2" conduit (power), 6 × M16 cable glands (signal)
APPROVALS	EN 61010-1, CAS C22.2 61010-1, EN 50270, CE, FCC 15 Subpart B

Inputs

100 - 240 VAC

Modbus from Gas Monitors

Alarm Silence

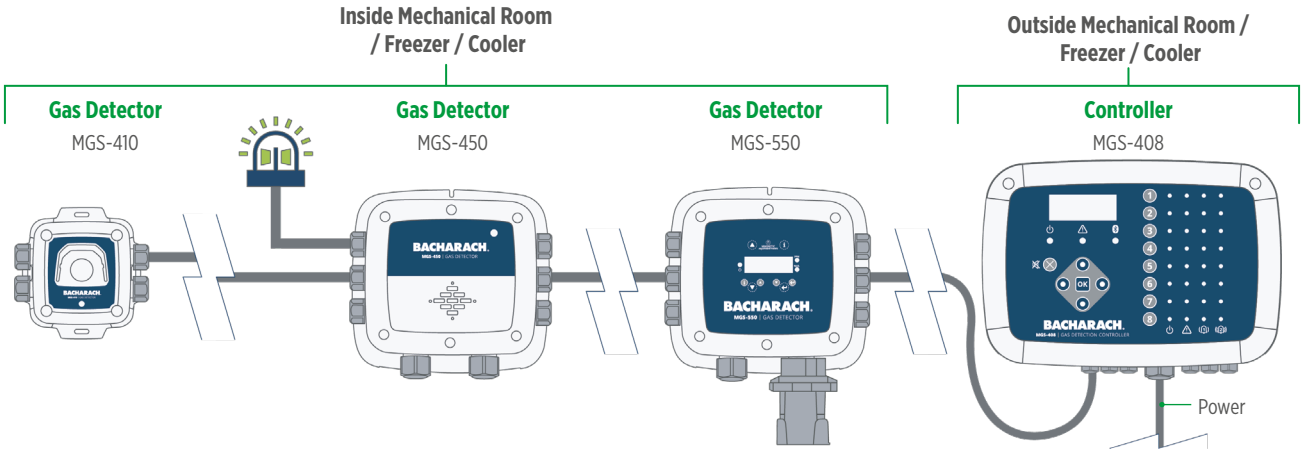
Outputs

3 × Relay (Low, High, Fault)

BMS Modbus

Analog CH 1

Analog CH 2



MSA operates in over 40 countries worldwide. To find an MSA office near you, please visit ***MSAsafety.com/offices***.

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