



MGS-408 Gas Detection Controller

for Safety Compliance in Refrigeration Applications

FEATURES

LED Status Indication

Integrates with Gas Detectors

Power Gas Detectors

Modbus RTU Master to Gas Detectors

Modbus RTU Slave to BMS / BAS

Event logging via SD Card

Display Screen

Audible and Visual Alarms

BENEFITS

At-a-glance visualization of whole gas detection system alarm status

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

Saves time and money on electrical installation

Gathers full set of gas detector status

Integrates into BMS / BAS or refrigeration controllers

Retains / exports alarm and status history of the gas detection system

Displays real time data from all gas detectors in the system and offers simple configuration of controller

Complies with ASHRAE 15 / EN 378 - no additional hardware

Refrigerant Gas Detection Controller for up to 8 Channels

DESCRIPTION

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 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 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.

TECHNICAL DATA

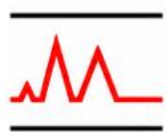
PRODUCT ATTRIBUTES	DESCRIPTION
User Interface	Front panel push buttons
Common Alarm Relays	1 × Low Alarm, 1 × High Alarm
Fault Alarm Relays	1 × Fault
Serial Ports	1 × RS485 Modbus RTU Slave for BMS / BAS, 1 × RS485 Modbus RTU Master for Gas Detectors
Ambient Temperature Range	32 - 113°F (0 - 45°C)
Power	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

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
6702-8000	MGS-408 Controller

ACCESSORIES / OPTIONS

PART NUMBER	DESCRIPTION
1100-2307	External Horn / Strobe (Red)
1100-2308	External Horn / Strobe (Green)
1100-2309	External Horn / Strobe (Blue)
1100-2310	External Horn / Strobe (Yellow)



Equipamientos Analíticos S.A

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