

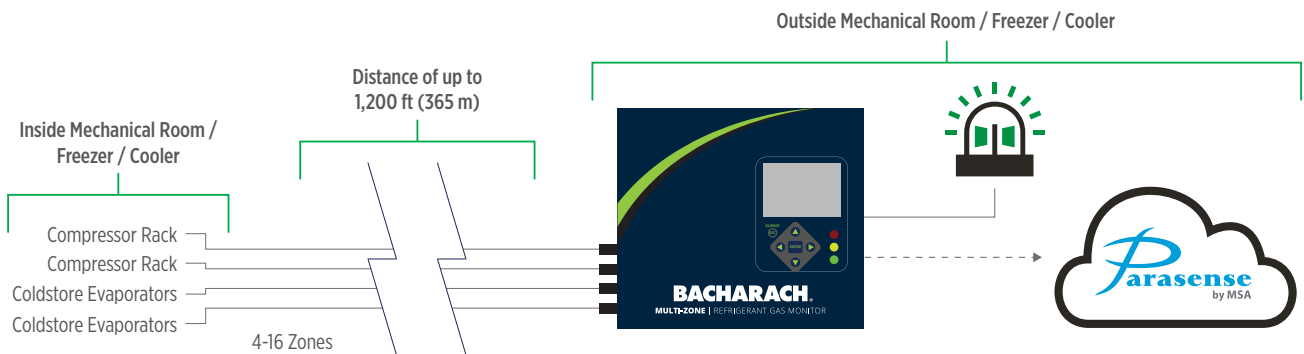
NATURAL REFRIGERANT GAS DETECTION



MSA Bacharach® Multi-Zone

High-Performance, Multi-channel System for Early Warning and Low-Level Leak Detection

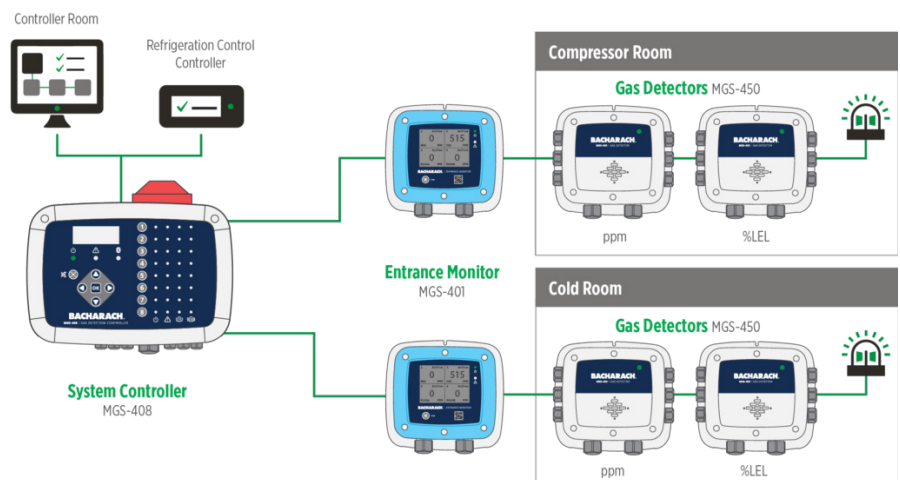
- Proprietary NDIR sensor - long life, high-accuracy, non-depleting, fast recovery from over-range conditions
- Configurable alarm settings (Fault, Low, High)
- 4 - 16 channels with 48 sample points distance up to 1200 ft.
- Sampling temperature range from -50° F to +120° F
- Modbus communications, alarm and fault relays, 4 - 20mA (optional)
- Cloud-based software for remote monitoring, emailing alerting, early detection, and hard-to-find leak resolution



MSA Bacharach® 401 Entrance Monitor

For Commercial & Industrial Applications - Entrance Monitor for Improving Safety

- Perimeter strobe for "at-a-glance" system / alarm status
- Seamless integration with all MSA Bacharach diffusion Gas Detectors



- MGS-408 Controller powers up to (8) total of combination of MGS-401(s) and MGS Diffusion Gas Detectors
- Modbus RTU Master / Slave provides seamless integration from connected gas detectors to many third-party BMS / BAS
- Audible and visual alarms enable compliance with IIAR, ASHRAE 15, CSA B52 and EN378 – no additional hardware required

MSA Bacharach® MGS-400 Series

Gas Detection for a Wide Range of Applications

- -40 °C to +120 °C operating temperature range
- Pre-calibrated replacement sensors
- Configurable alarm settings (Low / High)
- Integrated visual and audio alarms, on-board event logs
- Mobile app for easy configuration, testing, and calibration (PDF calibration certificates)

	MGS-410	MGS-450	MGS-460	MGS-550
ENCLOSURE RATING	IP66	IP41 OR IP66	IP66	IP66
CONFIGURABLE RELAYS	—	3	3	3
COMMUNICATIONS	Modbus RTU			
ANALOG OUTPUT	—	1	1	2
SENSOR CHANNELS	1	1	1	2
SENSOR	Integrated	Integrated	Remote (5m)	Integrated or Remote (5m)
USER INTERFACE	Mobile App			Local Display

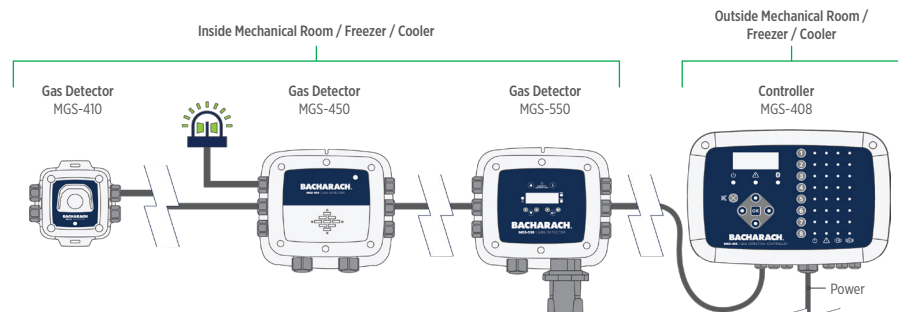
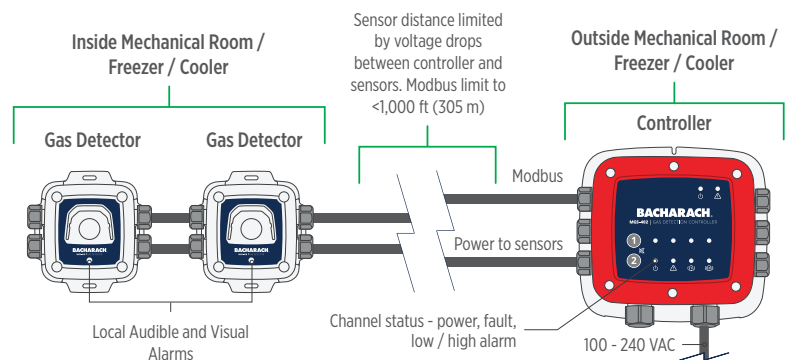
MSA Bacharach® System Controllers

2 Channel and 8 Channel Controllers



MGS-400 Series App

The MSA Bacharach MGS-400 App allows users to configure, maintain and interface with compatible MGS-400 gas detectors.



Calculation	MGS-402	MGS-408
CHANNELS	2	8
RELAYS	3	
ANALOG OUTPUTS	2	—
MODBUS RTU	Master (sensors) / Slave (BAS)	
INTEGRATED HORN	Yes	
INTEGRATED STROBE	Yes	Optional
REMOTE SILENCE INPUT	1	—
SENSOR OPTIONS	MGS-410	MGS-410, MGS-450, MGS-460, MGS-550
POWER	120 - 240 VAC / 24 VDC	24 VDC

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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