

MGS-400 GAS DETECTION SERIES

for commercial and industrial applications



INTUITIVE REFRIGERANT SAFETY COMPLIANCE

- MEETS SAFETY & COMPLIANCE REQUIREMENTS
- EASY TO USE & MAINTAIN
- SAVE TIME & MONEY



THE MEASURABLE DIFFERENCE

REFRIGERATION SAFETY COMPLIANCE

has never been more intuitive.

Bacharach offers innovative solutions designed for extreme temperature refrigeration environments, for early leak detection with minimum detectable levels from 1 ppm and a range of instruments for use in compliance and safety applications.

Machinery Rooms

Walk-in Freezers & Cold Rooms

Industrial Cold Storage

Chiller Rooms



All Gas Detectors Include:



INTEGRATED AUDIO-VISUAL ALARMS



MULTIPLE CABLE GLANDS



EASY TO WIRE



LOW TEMPERATURE PERFORMANCE



REFRIGERANT-SPECIFIC SENSORS



MGS-400 APP

The Bacharach MGS-400 App allows users to configure, maintain and interface with compatible MGS-400 gas detectors. Once a Bluetooth connection has been established, the app replaces the need for specialty training / tools and makes compliance with safety standards (ASHRAE 15, EN 378) easy and effective.

FEATURES & CAPABILITIES:

- Configuration (Rename device, define alarm thresholds, adjust Modbus settings, configure relay behavior and manage analog output settings.)
- Maintenance (Test LED / buzzer function, relays and analog output level.)



MGS-450 Gas Detector

- Integrated audio & visual alarms comply with safety regulations — no additional hardware
- Maintains performance in temperatures as cold as -40° F (-40° C)
- IP41 and IP66 rated ABS enclosures available
- Three relays, fully configurable, correspond to alarm thresholds (High / Low) and fault status
- Modbus RTU interface, analog, BMS / BAS connectivity



MGS-460 Gas Detector

- Integrated audio & visual alarms comply with safety regulations — no additional hardware
- Maintains performance in temperatures as cold as -40° F (-40° C)
- Remote sensor for monitoring for leaks in inaccessible areas
- Three relays, fully configurable, correspond to alarm thresholds (High / Low) and fault status
- Modbus RTU interface, analog, BMS / BAS connectivity



MGS-410 Gas Detector

- Integrated audio & visual alarms comply with safety regulations — no additional hardware
- Maintains performance in temperatures as cold as -40° F (-40° C)
- Modbus RTU interface, BMS / BAS connectivity



MGS-408 Controller

- Capable of powering up-to 8 gas detectors
- Displays real time data (status / gas measurement) from connected instruments
- Retains alarm & status history of connected gas detectors
- Modbus RTU interface, analog, BMS / BAS connectivity

FEATURES & CAPABILITIES:

- Calibration (View sensor type, serial number and "Calibration Due" timer and initiate zero / span calibrations with customizable field calibration certificate.)
- Intuitive Interface (View current gas measurement and acknowledge alarm / fault status.)

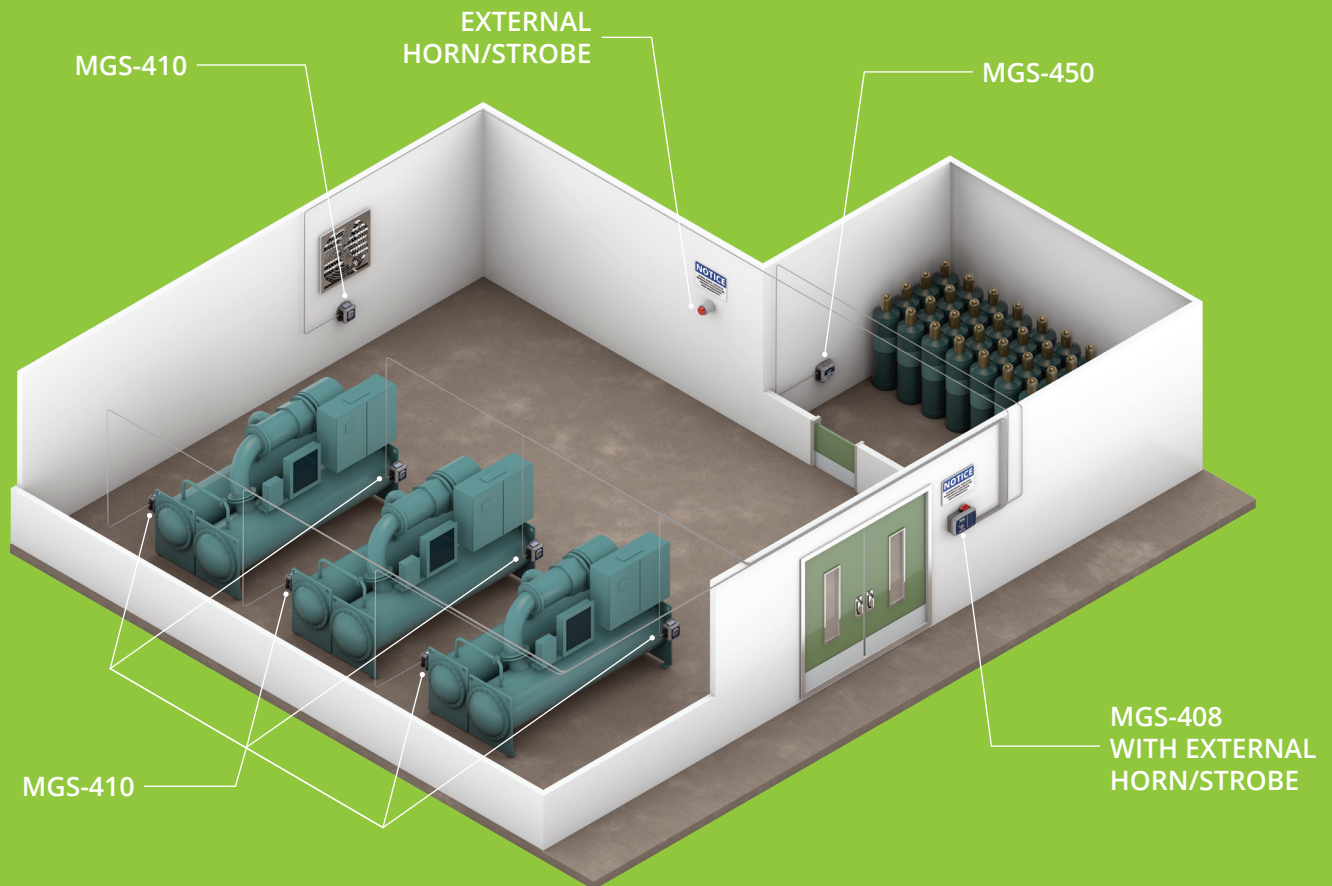
Available on the App Store and Google Play

FOR MORE INFORMATION
VISIT MYBACHARACH.COM OR
CALL 800-736-4666 TO SCHEDULE
A FREE CONSULTATION

PRODUCT SELECTION GUIDE

	MGS-410	MGS-450	MGS-460
IP41-RATED ENCLOSURE (PROTECTED AGAINST SOLID OBJECTS & SPLASHED WATER)		✓	
IP66-RATED ENCLOSURE (PROTECTED FROM DUST AND HIGH PRESSURE WATER JETS)	✓	✓	✓
DIGITAL COMMUNICATIONS (MODBUS COMMUNICATIONS TO BMS / BAS)	✓	✓	✓
ANALOG COMMUNICATIONS		✓	✓
3×RELAYS (CORRESPONDING TO LOW ALARM, HIGH ALARM AND FAULT)		✓	✓
REMOTE SENSOR			✓

EXAMPLE: MACHINERY ROOM CONFIGURATION



MKTG00135 | Rev0 | Marketing Communications | Subject to Modifications | © Bacharach Inc



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