

Bacharach® MGS-401 Entrance Monitor

For Commercial & Industrial Applications



Perimeter Strobe
Alarm Status Indication

DESCRIPTION

The MSA Bacharach® MGS-401 Entrance Monitor centralizes the status of up to four (4) MSA Bacharach diffusion Gas Detectors, which in turn provides an audible and visual alarm outside a monitored space. In addition, the MGS-401 displays any gas concentration level in the space for additional information and visual monitoring. System configuration will determine whether the alarm signals are addressed in the monitored space or at a controller or BMS/BAS level.

Combining the MGS-401 Entrance Monitor with the MGS-408 Gas Controller and diffusion Gas Detectors provides a complete, single source gas detection system with an easy means of achieving compliance with refrigeration safety standards such as IIAR, ASHRAE 15, CSA B52 and EN376.

Features

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

Specifications	Description
ENCLOSURE RATING	IP54
OPERATING TEMPERATURE	-4 - 122°F (-20 - 50°C)
POWER	24VAC/DC, +20%, 7W max.
SIZE (W×H×D) APPROX.	6.5 × 6.5 × 3.4" (165 × 165 × 87mm)
WEIGHT APPROX.	1 lb, 11.07 oz (758 g)
CABLE ENTRIES	2 × M20 / 1/2" Conduit (Power)
APPROVALS	CE, UL / CSA / IEC EN 61010-1

Part Number	Description
6702-8030	MGS-401 Entrance Monitor
6600-8950	Sunshield for outdoor locations
1100-8950	Security Screws ((6) pcs. and driver bit)
6900-0010	>100dB External sounder (mounted in MGS-401 Cable Gland)

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sales@calcert.com

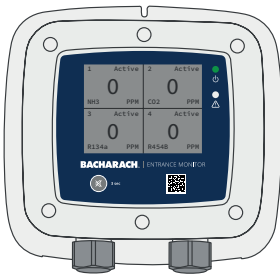
Bacharach® MGS-401 Entrance Monitor



Product Details	Description
COMMUNICATIONS	Front Panel Push Buttons; DIP switches
CONFIGURABLE RELAYS	RS485 Modbus RTU Client for Gas Detectors, RS485 Modbus RTU Server for BMS
VISUAL / AUDIBLE SIGNALS	Integrated high output visual strobe, Integrated high output audible alarm
OUTPUT	Relay - 10A, 24VAC/DC
INPUTS	Remote silence, Forced alarm

Inputs

Forced Alarm



Outputs

Relay
BMS Modbus

Controller Room

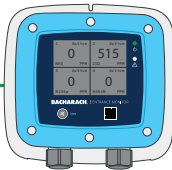


Refrigeration Control
Controller



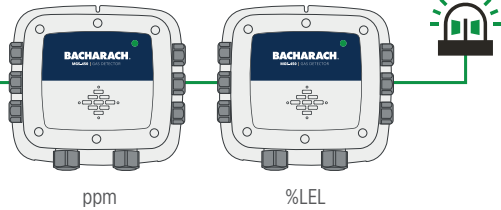
System Controller
MGS-408

Entrance Monitor
MGS-401



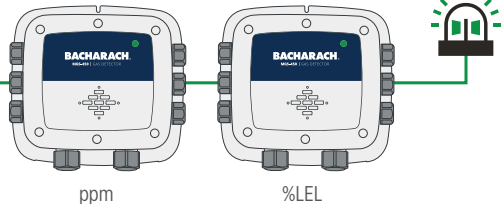
Compressor Room

Gas Detectors MGS-450



Cold Room

Gas Detectors MGS-405



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

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