## MGS-402 Gas Detection Controller



2-Channel Controller for Refrigerant, Toxic and Combustible Gas Detection



## **DESCRIPTION**

MSA Bacharach's MGS-402 Gas Detection Controller centralizes the status of up to two MSA Bacharach MGS-410 Gas Detectors, providing a complete package for your safety compliance application. On the front panel of the MGS-402 a bank of LEDs corresponds to each connected gas detector; showing power, alarm status and fault indicators. The MGS-402 can provide the power requirements for to up to two gas detectors, which can be daisy-chained with Modbus communication to each gas detector; simplifying and reducing the cost of installation.

Combining the MGS-402 Gas Detection Controller with MSA Bacharach's MGS-410 Gas Detector provides a complete, single source gas detection system with an easy means of achieving compliance with refrigeration safety standards such as EN 378 and ASHRAE 15.

## **Features**

LED status indication for "at-a-glance" system / alarm status

Seamless integration with MGS-410 Gas Detector

Controller power up to two MGS-410 Gas Detectors

 ${\it Modbus\,RTU\,Master\,/\,Slave\,provides\,seamless\,integration\,from\,connected\,gas\,detectors\,to\,many\,third-party\,BMS\,/\,BAS}$ 

Audible and visual alarms enable compliance with ASHRAE 15 / EN 378 - no additional hardware required

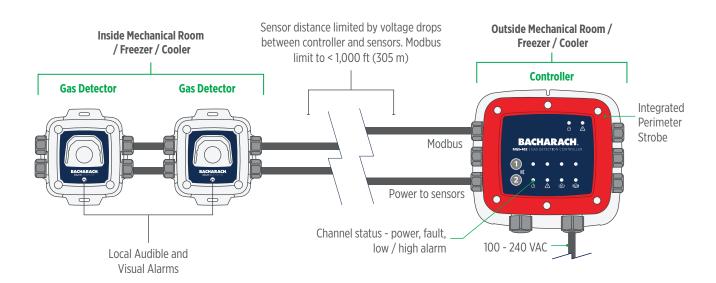
Specifications	Description
ENCLOSURE RATING	IP66
OPERATING TEMPERATURE	-40 - 113°F (-40 - 50°C)
POWER	100 - 240 VAC, 50/60 Hz, 20W (max); 24 VDC
SIZE (W×H×D) APPROX.	6.5 × 6.5 × 3.4" (165 × 165 × 87mm)
WEIGHT APPROX.	1 lb, 11.07 oz (758 g)
CABLE ENTRIES	2 × M20 / 1/2" Conduit (Power), 6 × M16 Cable Glands (Communications)
APPROVALS	CE, UL / CSA / IEC EN 61010-1

Part Number	Description
6702-8020	MGS-402 Controller



Product Details	Description
USER INTERFACE	Front Panel Push Buttons; DIP switches
CONFIGURABLE RELAYS	1 × Low Alarm, 1 × High Alarm, 1 × Fault (240 VAC @ 10A)
ANALOG OUTPUT	2 × Configurable 4-20mA, 1-5, 2-10VDC
ALARM SILENCE	2 × Front Panel Push Bottons, 1 × Auxiliary Input
SERIAL PORTS	1 × RS485 Modbus RTU Slave for BMS / BAS, 1 × RS485 Modbus RTU Master for Gas Detectors





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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