MGS-400 Product Bulletin

Issued By:	Tony Powell – EU Product Manager	**To:**	All Bacharach Customers, Fixed Instruments
Issue Date:	30th September 2021		
Market:	Europe-wide, Fixed Instruments		

Bulletin Purpose

- **MGS-400 Functionality Changes Required by Revised EU Standards**

Bulletin:

This is to inform you that the Bacharach MGS-400 family of refrigerant gas leakage detectors has been updated in order to ensure compliance with the following standards:

- EN14624:2020- EU standard that defines the performance of portable locating leak detectors and of fixed gas detectors for all refrigerants.
- EN50271:2019 – EU standard that applies to electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen and supplements the standards for the detection and measurement of gases (EN60079-29-1, EN50104, EN 45544).

As a result, some features related to functionality of the unit have been changed in order to comply with these standards. Below is a summary of the changes that might effect some customers:

- Default offline timeout of the unit has been reduced from 30 to 15 minutes
- Default duration of alarm deactivation of the unit has been reduced from 30 to 15 minutes
- Alarm latching is now enabled by default (when a device enters an alarm, manual reset is now required)
- Failsafe operation of the relays is now enabled by default (relay coil is energized when powered up and de-energized when alarm is active, this is to ensure a signal if power failure occurs)
- Default setting of the analogue output has been changed to 4-20mA. A jumper has been placed on the analogue output terminal to prevent the sensor from going into a fault condition
- Default alias (displayed when connecting via Bluetooth to a mobile device) will also be correct after factory reset.
- Tactile buttons on the unit PCB have been changed to reduce the risk of accidental activation by interconnect ribbon cable.

The alarm latching, relay operation and analogue output configuration can be modified by the user through the App to restore the same operation as on the previous version.

The updates described above are important product enhancements and can be identified on devices with a serial number greater than 21060228 and a production date starting June 2021.

Sincerely,

Tony Powell
EU Product Manager
MSA Bacharach