

AquiTron

AT-MGS-402

Gas Detection
Controller



DATA SHEET



aquilar
leak detection solutions



AT-MGS-402

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

The AT-MGS-402 provides audio-visual alerts and information pertaining to the status of a centralised gas detector network. This information allows concise, at-a-glance notification of any alarm or fault status regarding a connected gas detector located outside the monitored space, as required by industry safety standards (EN 378 and ASHRAE 15).

DESCRIPTION

The AT-MGS-402 Gas Detection Controller centralises the status of up to two MGS-410 Gas Detectors, provides a complete package for your safety compliance application. On the front panel of the AT-MGS-402 a bank of LEDs corresponds to each connected gas detector; showing power, alarm status and fault indicators. The AT-MGS-402 can provide the power requirements for 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 AT-MGS-402 Gas Detection Controller with AT-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 & BENEFITS

- LED status indication for “at-a-glance” system / alarm status
- Seamless integration with AT-MGS-410 Gas Detector
- Controller power up to two AT-MGS-410 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 ASHRAE 15 / EN 378 - no additional hardware required

APPLICATIONS

The AT-MGS-402 Gas Detection Controller is designed for use in a small gas detection network that could be in mechanical rooms, warehouses, cold storage or freezers to help comply with international safety standards (EN 378, ASHRAE 15, CSA-B52).

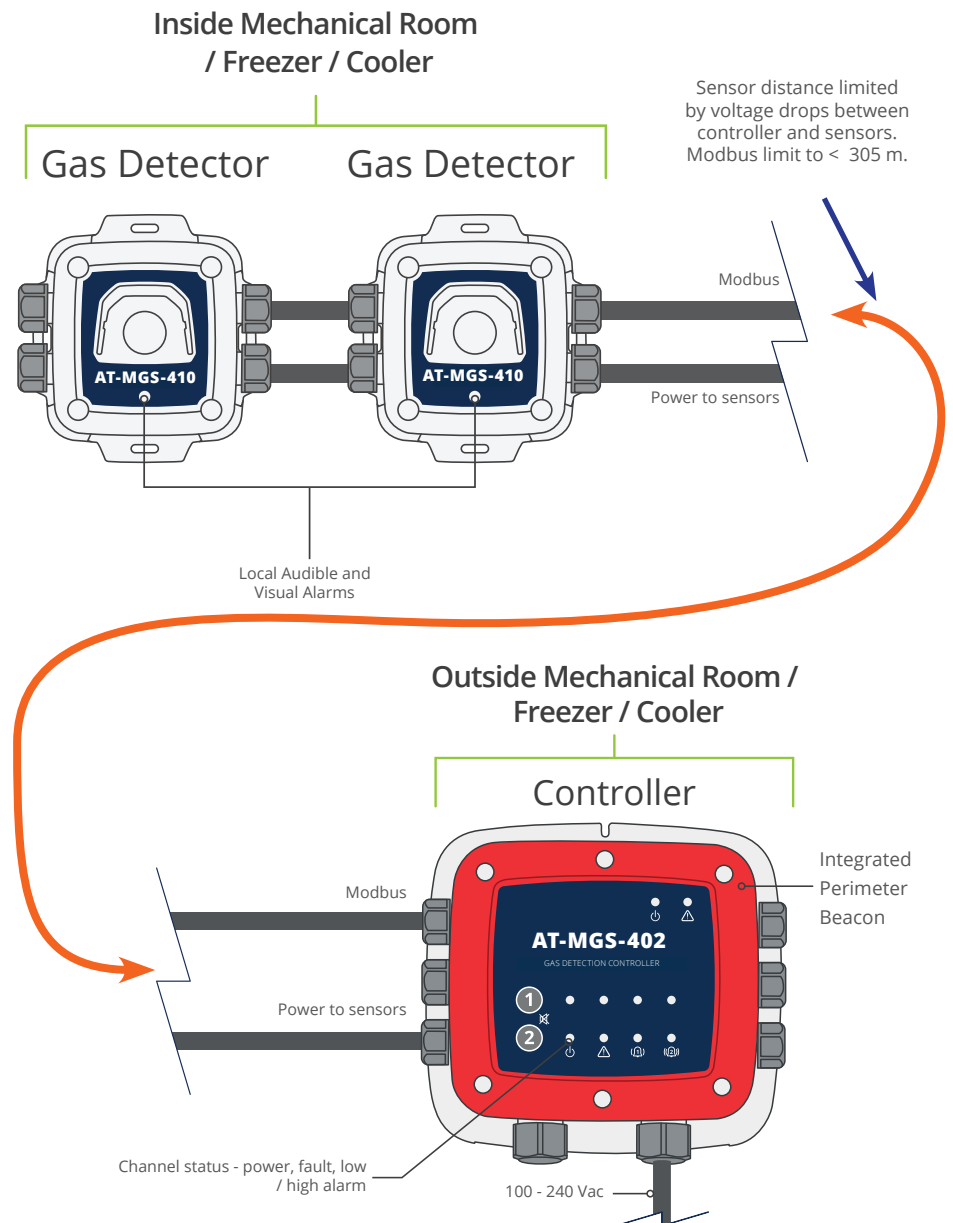
The AT-MGS-402 is a NEMA 4X (polycarbonate) or IP66 rated enclosure and can be placed in environments from -40°C to +50°C ambient temperatures. Typical installations would be either inside or outside the door of an enclosed space to have local audible and visual alarms as required by safety standards.

The AT-MGS-402 is not intended for installation in classified locations.

TECHNICAL INFORMATION

Enclosure Rating	IP66
Operating Temperature	(-40 - 50°C)
Power	100 - 240 Vac, 50/60 Hz, 20W (max); 24 Vdc
Size (W×H×D) Approx.	165 × 165 × 87mm
Weight Approx	758g
Cable Entries	2 × M20 / 1/2" Conduit (Power), 6 × M16 Cable Glands (Communications)
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 Buttons, 1 × Auxiliary Input
Serial Ports	1 × RS485 Modbus RTU Slave for BMS / BAS, 1 × RS485 Modbus RTU Master for Gas Detectors





APPROVALS

CE UL / CSA / IEC EN 61010-1

ORDERING INFORMATION

Catalogue number 40801 - AT-MGS-402

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