

## ▶ MGS CO2

### CO2 controller with buzzer & relay outputs



### Technical specifications

#### ▶ MGS-450 single-point CO2

**Controller sensor:** Infrared 0-5000 ppm or 0-5% / vol.

**Power supply:** 24 Vac/Vdc (auto select)

**Integrated audiovisual alarm:**

- Status indicator with three-color LED
- Integrated buzzer 72 dB (A) at 10 cm

**Outputs:**

- 4-20 mA linear analog output
- Modbus RTU digital communication
- 3 configurable SPDT relays

**Setting:** Via the MGS-400 application and Bluetooth

**Dimensions:** 165 x 165 x 87 mm / Protection: IP66

#### ▶ Multipoint CO2 controller

**Controller**

**Supply voltage:** 100-240 Vac

**Capacity:** Up to 8 MGS-410 or MGS-450 detectors

**Wiring:** Modbus digital cabling (2 twisted pairs)

**Display:**

- Backlit graphic LCD
- Status control by LED (green, orange, red)

**Alarms:** 3 alarm relays for servos

**Recording:** Recording events on SD card

**Certifications:** CE, UL / CSA / IEC EN 61010-1

#### MGS-410 CO2 sensor

**Sensor:** Infrared 0-5000 ppm or 0-5% / vol.

**Power supply:** 24 Vac/Vdc (auto select)

**Outputs:** Modbus RTU digital communication

**Setting:** Via the MGS-400 application and Bluetooth

**Dimensions:** 130 x 130 x 68 mm / Protection : IP66

### Product description

The **MGS-450 CO2** control unit is an autonomous gas detector with integrated buzzer and relay outputs for local control systems. A 4-20 mA linear output of the measurement is also available for a link with a central unit or for supervision.

Thanks to the **MGS-400** application (compatible with Android and iOS), the use of this autonomous CO2 controller is simple, intuitive and particularly suitable in the winemaking sector during fermentation, devatting or tank cleaning phases.

#### ▶ MGS-450 single-point CO2 controller



With a high protection index (IP66), the waterproof and dustproof **CO2 MGS-450** controller, is particularly suitable in wine cellars, in craft or industrial breweries and in all applications requiring the control of carbon dioxide in ambient air.

#### ▶ Multipoint CO2 MGS-408 controller

For tertiary or industrial applications requiring several measurement points, the **MGS-408 CO2** central unit can control up to 8 **MGS-410 CO2** detectors connected in series on a single line, considerably reducing wiring costs.



*MGS-408 with 8 CO2 MGS410 detectors*



The digital display as well as a group of LEDs provides a real-time view of the concentration and status of each CO2 sensor. An intuitive menu allows easy configuration of the control unit which keeps the alarm history on the SD card.

Three freely assignable alarm relays are available for the controls.

#### ▶ The MGS-400 application



Thanks to the **MGS-400** application (compatible with Android and iOS), users can intuitively use, commission and maintain their gas detection system without the need for training or specialized tools.