

- Versatile System Configuration
- Flammable, Oxygen and Toxic Gases
- 1 to 4 sensors
- Plug in sensor channel cards
- Two alarm stages
- Selectable alarm relays
- Analogue 4-20mA output
- Delay to alarm option



Application

The GDS 404 has been designed with features that provide an effective response to the detection of gas hazards in a wide range of environments, from commercial premises through to heavy industrial applications requiring hazardous area sensing.

Typical monitor locations are public buildings, boiler plant rooms, swimming pools, water treatment works, H&V control systems, manufacturing and processing plants.

Technical Data

Sensor points Measurements

- 1 ~ 4
- Combustible Gas - L.E.L., % vol, ppm
- Toxic Gas - ppm, % vol
- Oxygen - % vol Depletion/Enrichment
- Any 4~20mA input signal

Power supply

- 230/115v AC or 24v DC and specials

Power Consumption

- 12 watts - full alarm

Indicators

- Power - Green L.E.D
- Mains Fail - power indicator change green to amber
- Alarms - Red L.E.D.s
- Fault - Amber L.E.D
- Digital Display - 3½ Digit - gas readout
- Sensor channel selection indicator - Amber L.E.D
- System test - Alarm L.E.D.s flashing
- Alarm Relay Inhibit - Fault L.E.D on

Outputs

- High Alarm Relay - Common D.P.C.O
Normally energised or de-energised, latched or unlatched
- Low Alarm Relay - Common D.P.C.O
Normally energised or de-energised, latched or unlatched

- ## Audible Alarm

- Permanent mute option.
Lo, Hi, Fault alarms

Alarm Settings

- Digital Setting (fully adjustable between zero and fullscale)
- Delay to alarm T1 - 10 seconds, T2 - 30 seconds, T1 + T2 - 10 minutes

Sensor inputs

- Bridge type 3 wire mV input
- 4~20mA (electrochemical/infrared)

Sensor cable

- 3 core 1.5mm² screened < 1.5km

Miscellaneous

- EMC approvals EN50270 Marine EN60945
- Enclosure - cable entry - bottom/rear
- Operating temperature -10 to +50°C
- Relative Humidity 0 - 90%
- Protection IP52 - option IP65
- Dimensions 310W x 265H x 75Dmm
- Weight 3.6kg
- Optional backup battery
- Field terminals - 2.5mm quick release
- System/lamp test
- Remote Accept/Reset
- Alarm isolate during service - inhibit

XDI-win



XDI



9000



20 J



40 J

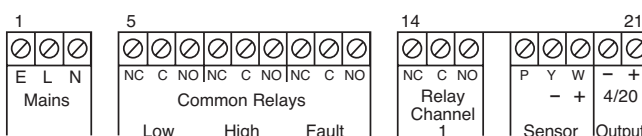


Hazardous Area

Safe Area

The diagram shows the GDS 404 control unit at the top. It has a display screen and three indicator lights. Below the unit, several components are connected via lines:

- A component with an infinity symbol (∞) is connected to the left side of the unit.
- A component with a speaker icon and a crossed circle (\otimes) is connected to the bottom left of the unit.
- Four output lines connect the unit to components labeled S1, S2, S3, and S4, which are arranged vertically on the right side of the diagram.



Repeated for each channel 1~4
terminals 14-21



C808



ISO 9001

This document is not contractual and the equipment specification may be modified at any time without prior notice.



Ex-Ox-Tox Gasdetectie
Westerdreef 5V
2152 CS Nieuw-Vennep
Telefoon: 0252 620885
E-mail: info@exoxtox.nl
Website: www.exoxtox.nl