

GDA 40125

Toxic / Oxygen Gas Detection Controller



- ✓ Acts as a Standalone Unit
- ✓ Inbuilt Sounder & Flasher
- ✓ Reliable and Robust Sensor
- ✓ Easy Installation
- ✓ Local Technical Support



The GDA 40125 Gas Detection Controller is a standalone gas detector unit with inbuilt display, sounder, flasher, relays and alarm driver. Available in the full range of GDA 2500 series electrochemical sensors which are temperature compensated and easily replaceable. The GDA 40125 has 2 user relays which can be programmed to operate at any level within the gas detectors operational range as well as an independent fail safe fault relay. The unit's alarm state is indicated by the display and by flashing LEDs additionally there is an o/p to drive a 24 VDC sounder / flasher (AVR-20) all of which can be muted from the front panel.

- 24 VDC operation with optional plug mounted power supply
- 4-20 mA o/p and optionally Modbus o/p
- 2 User selectable/ configurable alarm relays (SPCO)
- 1 Fault relay (SPCO)
- External Mutable drive for AVR-20 series sounder / flasher unit.
- Australian Factory Certificate of Calibration

Designed, manufactured and supported locally in Australia.

Call: **+61 7 4613 5111** for technical advice and support

Specifications

Detectable Gases	Carbon Monoxide, Ammonia, Nitrogen Dioxide, Oxygen, Hydrogen Sulphide, Sulphur Dioxide, Chlorine, Ethylene (More on request)
Detection Type	Diffusion
Sensor Technology	Electrochemical Cell
Power Requirements	+24 VDC
Output Types	4-20mA; 2x SPCO alarm relays; 1x SPCO Fault relay; Alarm output
Power Consumption	2 Watts
Output Specifications	Max loop impedance 1K (24V)
Connection	Plug in connectors
Wiring	Two core min 0.75mm ² screened
Operating Temperature	10°C to 50°C (LT version -30°C to +10°C) Accuracy varies outside of range
Operating Humidity	5 - 95% RH peak non-condensing
Operating Pressure	800 to 1200 mbar
Accuracy of Reading	1% of reading + 0.5% FSD
Warm Up Time	30 seconds
Response Time	T90 = 45 seconds at SATP
Zero Drift	< 0.1% / 30 days
Calibration Drift	< 0.25% / 30 days at SATP
Sensor Technology	Electrochemical Cell
Calibration Requirement	Annually with 6 monthly functional tests if sensor operated at SATP
Dimensions	155mm x 130mm x 65mm (W x H x D)
Enclosure Material	ABS plastic
Enclosure Rating	Brass Sensors (CO & O ₂) IP43 PTFE Sensors IP22
Cable Entry	User provided

Ordering Information

Part Number	Gas	Range
40125-001	Carbon Monoxide (CO)	0-200 ppm
40125-002	Oxygen (O ₂)	0-25% Vol
40125-004	Ammonia (NH ₃)	0-100 ppm
40125-005	Hydrogen Sulphide (H ₂ S)	0-100 ppm
40125-006	Nitrogen Dioxide (NO ₂)	0-20 ppm

Accessories

Part Number	Description
GDP-024-050	Power supply Australian plug mounted 24V @0.5A
40125-003	Controller unit with no gas detector fitted
25##-002	Replacement Sensor Head
GC01-01	Brass Calibration Cap Assembly, 250mm Nylon Tube Length

To order please email: Sales@gasdetect.com.au