GDA 2400 | Multiplexed 8 Input Controller

The **GDA 2400** control unit can take up to **8 x 4-20 mA i/ps**. The controller selects the highest reading from the sensors and displays the highest reading of gas from the sensors. This controller is used when ALL the gas sensors are the same type. It is particularly useful in **Periphery monitoring** and **CAR PARK Ventilation control**. There are 3 programmable relay alarm levels. There is an independent fault relay. There are 3 x analog o/p's which can be configured for either channel as 4-20 mA, 0-20 mA, 0-5 V or 0-10 V o/p's. The controller has an isolated RS485 o/p which can be configured to drive modbus or an interface to the M2001 mimic panel. All configurations are carried out via the front panel push buttons. The unit requires 240 VAC.

DESIGNED, MANUFACTURED and SUPPORTED by GAS DETECTION AUSTRALIA.

- Easy to install, set up and operate
- No Servicing requirements
- Universal 110v ~220 VAC power supply
- Up to 8 similar sensors can be connected
- 3 Volt free relay o/p SPCO
- 3 Analog O/Ps each configurable to 4 -20 mA O/PS or 0-5 V or 0-10 V)
- All functions user programmable
- RS485 MODBUS O/P

- LCD Display (4 LINE)
- Local display
- OPTIONS: Link to mimic panel (M2001)

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Dimensions
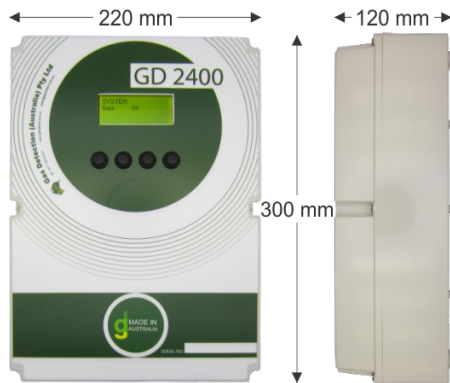
Specifications

Inputs	8 x 4-20 mA sensors (loop or 3 wire)
Operating Voltage	110/220 VAC (mains power supply provided)
Output Type	3 x SPCO alarm relays + 3 x analog o/ps configured as 4-20 mA or 0-5 V 0r 0-10 V
Power Consumption	5W excluding sensors and sounder/ flashers
Connection	plug in connectors onto control board
Operating Temperature	-10°C to 40°C
Operating Humidity	5% to 95% RH peak non condensing
Warm Up Time	None (sensor may have warm up period)
Response Time	<50 msecs to change in reading from sensor
Technology	SMT with LQD display
Dimensions	300 x 220 x 120 mm (L, W, D)
Enclosure Material	ABS Plastic
IP Rating of Enclosure	IP40
Cable Entry	user provided