



Gas Detection (Aust) Pty Ltd

ABN 74 124 402 231

PO BOX 597, Darling Heights, Qld 4350.

Ph: +61 7 4613 5111, Email: sales@gasdetect.com.au

GDA 4080 | 8 Channel Gas Detection Controller



The GDA 4080 Gas Detection Controller is designed to be to take up to 8 x 4-20 mA sensor inputs and display the gas readings of individual sensors. The multi-colour display will indicate the alarm status alarm levels and faults. There are 8 fully user configurable relays; and an additional fault relay. The GDA 4080 has a MODBUS interface allowing all the sensors to read into BMS systems. The system has an independent two wire comms system to drive remote mimic panels which indicate the current gas levels in their associated area. It is housed in a enclosure with a swing door making cable access and servicing easy

GDA 4080-001 Features

- Up to 8 channels 4-20mA 2/3 wire with earth of gas sensor/detectors
- Real time display of gas levels, alarms and location
- All parameters are field programmable by user through a touch panel (passcode protected)
- Isolated MODBUS® V1.1b3 TIA-485(-A)/EIA-485 (RS-485) digital output signal communications
- Isolated GDA Extended Mimic digital output signal communications for use with the GDA 74001
- Single internal software configurable 4-20 mA current



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output [under devolvement]

- Dedicated siren/visual signal alarm output, internal buzzer onboard (mutable) [under devolvement]
- Board expandability available to extend system functionality (sensor inputs, relay and current outputs, wireless/wired signal and communication Modules, Sensor Modules) [under devolvement]
- 8 x configurable dry contact relays with active led indicator, 2-amps @ 30 VDC each (60watts)
- Fail safe dry contact fault relay with onboard active led indicator, 2-amps @ 30 VDC each (60watts)
- Micro SD card socket for data logging with ?GB support [under devolvement]
- Onboard 4-20mA sensor current simulator
- 4.3" 480x272 TFT graphic color resistive touch display, remote and larger display options available
- Universal switchable 100~120 / 200~240 VAC to 24 VDC @ 1.5A power supply
- Padlockable (less than 6mm shackle dia) Hinged door IP51 rated ABS enclosure.
IP-67 IK-08 and different material enclosure options and accessories available, inquire about lead times

DESIGNED, MANUFACTURED and SUPPORTED by GAS DETECTION AUSTRALIA.

Dimensions

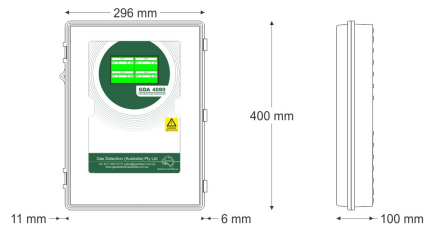


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Specifications

Model	GDA 4080 (specs based off P/N:4080-001)
Inputs	8 x 4-20 mA sensors (loop or 3 wire)
Output Types	8 x configurable + 1 x Fail safe dry contact fault relays, 1 x Muteable 24 VDC @ 200 mA series/flasher O/P, 1 x Modbus Comms O/P, 1 x GDA Extended Mimic Comms O/P
Relay Specification	30 VDC @ 2 A (60 w) max each
Power Requirements	100 ~ 120 @ 0.8 A / 200 ~ 240 @ 0.45 A VAC
Internal Voltage	24 VDC
Display	4.3" 480 x 272 TFT graphic color resistive touch display
User Interaction	Resistive touch screen display
Comms Output Specification	MODBUS® V1.1b3 TIA-485(-A)/EIA-485 (RS-485), GDA Extended Mimic
Operating Temperature	-20~70 °C
Operating Humidity	5~90% RH (Non-condensing)
Dimensions	400 x 313 x 100 mm (H, W, D)
Weight	2.4 kg
Enclosure	ABS



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Material

Enclosure
Rating IP 51