



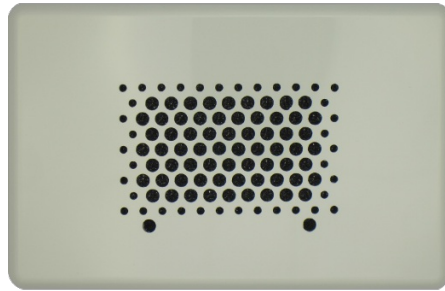
Gas Detection (Aust) Pty Ltd

ABN 74 124 402 231

PO BOX 597, Darling Heights, Qld 4350.

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

GDA 3160 | Flush Mount Refrigerant Detector



The **GDA 3160** is a **low profile wall mounted refrigerant** detector for use in offices and laboratories where a gas sensor needs to appear **non obtrusive**. It is designed to fit into a Clipsal double gang GPO wall mount. The total protrusion from the wall is **13 mm**. The sensor uses **NDIR techniques** for detecting a wide range of refrigerant gases and is therefore immune from cross sensitivity to other gases. It has 4-20 mA o/p and interfaces to the full range of GDA control units and will interface to **BMS and SCADA**.

DESIGNED, MANUFACTURED and SUPPORTED by GAS DETECTION AUSTRALIA.

- Standalone system or 4-20 mA, 0-20 mA, 0-5 V ; 0-10 V + volt free relay
- Highly selective, Infra red sensor. Not affected by other gases found in offices or laboratories
- No false alarms due to other gases
- 1 alarm relay (volt free)
- 1 x 4-20 mA or 0-20 mA or 0-10 V or 0-5 V o/p
- 24 VDC operation
- **Flush wall mounted housing. To fit in with office environment**
- Easy to install



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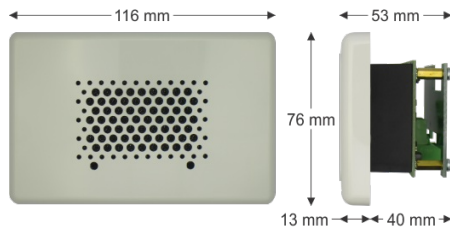
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- Long period between calibrations

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Dimensions





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Specifications

Detectable Gases	Refrigerant R22, R123, R125, R134a, R404, R407c, R410
Detectable Gas Ranges	0-1000 ppm of target gas (R22, R123, R125, R134a, R404, R407c, R410)
Operating Voltage	+12-32 VDC (24 VDC Recommended)
Output Type	0-20 mA, 4-20 mA, 0-5 V, 0-10 V (4-20 mA Default)
Power Consumption	<300 mW (average)
Output Specifications	4-20 mA max 1K at 24 VDC supply (4-20 mA); Voltage: i/p Z for voltage o/p options 10K > Relay NC NO Comm. 1A; 240 VAC
Connection	4 pin plug connector and 3 screw down Relay contacts NC, NO, Comm (volt free)
Wiring	3 core cable with overall screen, Screen to be connected to earth at control unit end only
Operating Temperature	-20 to +40°C
Operating Humidity	0% to 95% RH (non-condensing)
Accuracy of Reading	1% Full scale
Warm Up Time	<2 minutes, Sensor Accurate After: <30 minutes
Response Time	Approx. 30secs



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Zero Drift	≤2% Full scale p.a
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Calibration Drift	≤2% Full scale p.a
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Sensor Technology	Non Dispersive Infra-Red (NDIR), Dual Wavelength
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Calibration Requirement	2 years
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Dimensions	Clipsal C2000 series 116 x 76 x 13 mm (L, W, D) in wall depth 40 mm
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Enclosure Material	ABS plastic
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Cable Entry	Rear
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Implementation

GDA 3160 FLUSH MOUNT IMPLEMENTATION

