



GD1xxA

Addressable Gas detectors

- **GD100A: Methane gas detector, CH₄, IP55**
- **GD101A: Butane gas detector, C₄H₁₀, IP55**
- **GD102A: Petrol steam gas detector IP55**
- **GD104A: Hydrogen gas detector, H₂, IP55**
- **GD105A: Liquid propane gas detector, LPG, IP55**
- **GD106A: Propane gas detector, C₃H₈, IP55**
- **GD113A: Carbon monoxide gas detector ELECTROCHEMICAL CELL, CO, IP55**

Gas detectors GD1xxA range consists on Addressable detectors that use **new generation of semi-conductors**: more **sensitive** and more **accurate** in sampling, better **stability** in time, better **rapidity** for response, and **poor sensitivity** regarding humidity. Moreover, a **performing electronic of control minimizes consumptions**; this makes GD1xxxA range detectors **adaptable** for intermediate/large size installations.

Gas detectors of the GD100A range are dedicated to tertiary and industrial applications. **They have been submitted to the tests certifying their compliance with standards.**

Housed in a metal box **IP 55**, all reference of gas detectors GD1xxA range also exists in conventional version (see dedicated datasheet).

Gas detector can use 1 or 2 addresses on addressable system (2 by default). One address used for the information of alarm and the successive the information of alarm.

Alarm and pre-alarm concentration and delays can be modified with the optional programming tool **DETTEL**.



Main characteristics

- IP55
- CE certified
- Programmable pre alarm/alarm filter: 0 to 240s
- Programmable pre alarm/alarm thresholds
- Fully compatible with addressable SD³ panels range
- Embedded isolator

Electrical specification

	GD100A CH ₄	GD101A C ₄ H ₁₀	GD102A Petrol Steam	GD104A H ₂	GD105A LPG	GD106A C ₃ H ₈	GD113A CO
Main supply voltage	12 – 28 Vcc						
Quiescent current at 24V	34 mA	34 mA	34 mA	34 mA	34 mA	34 mA	34 mA
at 12V	65 mA	65 mA	65 mA	65 mA	65 mA	65 mA	65 mA
Programmable pre alarm/alarm factory thresholds	15%LEL	15%LEL	15%LEL	15%LEL	15%LEL	15%LEL	100ppm
(in LEL: Lower Explosive limit or in PPM: parts per million)	30%LEL	30%LEL	30%LEL	30%LEL	30%LEL	30%LEL	200ppm

Mechanical characteristics

Dimensions (mm)	H:145, W:100, D:60
Weight	390g
Material	Dust proof metal
IP rating	IP 55

Climatic characteristics

Operating temperature	0°C ... 45°C
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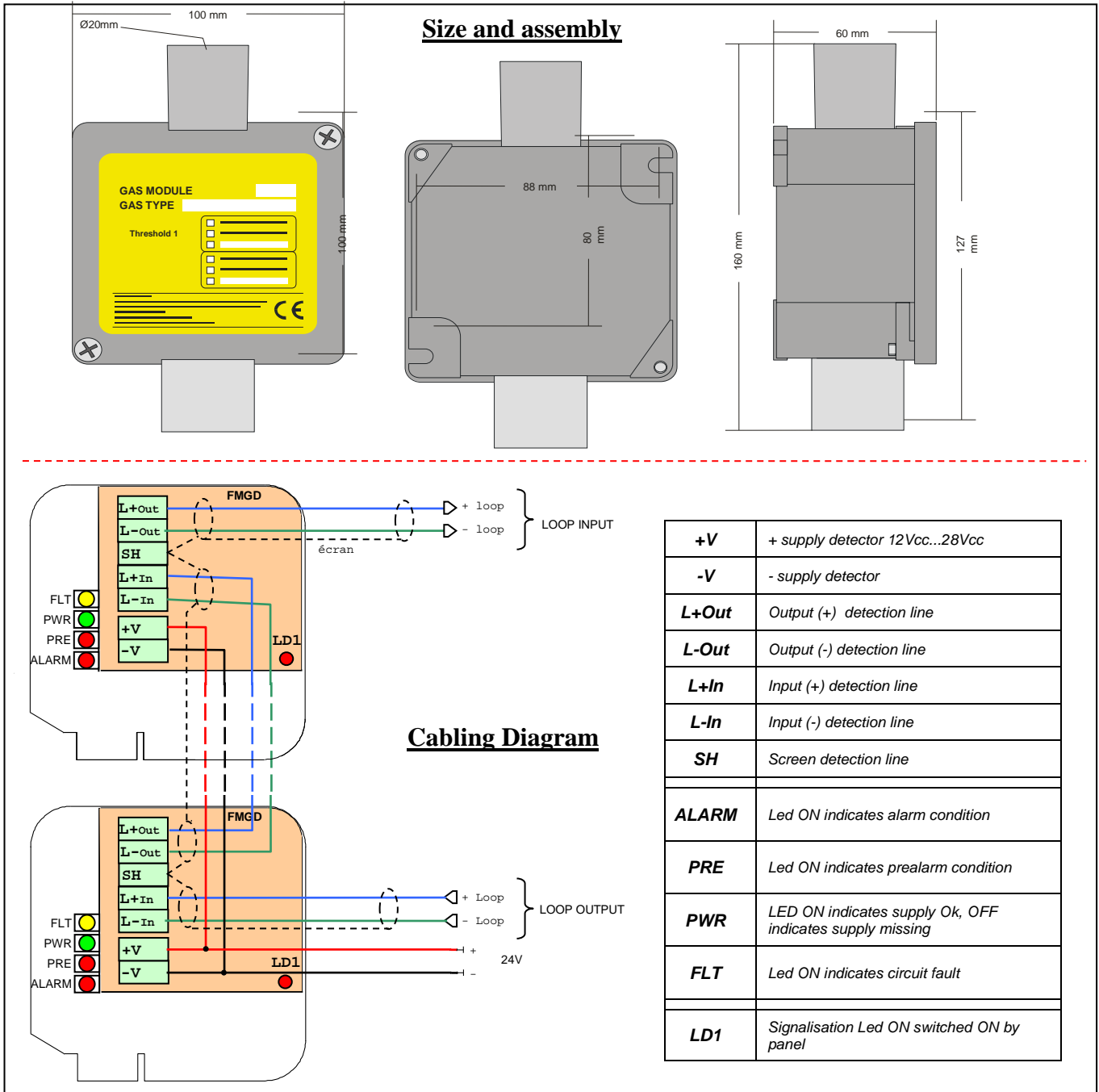
Miscellaneous

Loop connection	The panel receives detector's information status from the loop
Coding	MiniBT-05
Loop consumption (standby)	230µA with open isolator 130µA with closed isolator



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REFERENCE

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GD101A
GD102A
GD104A
GD105A
GD106A
GD113A

DESCRIPTION

Addressable Methane gas detector, CH₄, IP55
Addressable Butane gas detector, C₄H₁₀, IP55
Addressable Petrol steam gas detector, IP55
Addressable Hydrogen gas detector, H₂, IP55
Addressable Liquid propane gas detector, LPG, IP55
Addressable Propane gas detector, C₃H₈, IP55
Addressable Carbon Monoxide, Electrochemical cell, CO, IP55

ACCESSORIES/OPTIONS

DETTEL
P7150V

Remote control with display and Keypad for gas detectors
Test kit for gas detectors

