



# GD1xxA

## Addressable Gas detectors

- **GD100A: Methane, CH<sub>4</sub>, gas detector IP55**
- **GD102A: Petrol steam gas detector IP55**
- **GD104A: Hydrogen gas detector, H<sub>2</sub>, IP55**
- **GD105A: Liquid propane gas detector, LPG, IP55**
- **GD106A: Propane gas detector, C<sub>3</sub>H<sub>8</sub>, IP55**
- **GD109A: Acetylene gas detector, C<sub>2</sub>H<sub>2</sub>, 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 SD<sup>3</sup> panels range
- Embedded isolator

### Electrical specification

	GD100A CH <sub>4</sub>	GD102A Petrol Steam	GD104A H <sub>2</sub>	GD105A LPG	GD106A C <sub>3</sub> H <sub>8</sub>	GD109A C <sub>2</sub> H <sub>2</sub>	GD113A CO
Main supply voltage	12 – 28 Vcc						
Quiescent current at 24V at 12V	28 mA 55 mA	28 mA 55 mA	28 mA 55 mA	28 mA 55 mA	28 mA 55 mA	28 mA 55 mA	8mA 16mA
Programmable pre alarm/alarm factory thresholds (in LEL: Lower Explosive limit or in PPM: parts per million)	15%LEL - 30%LEL	15%LEL - 30%LEL	15%LEL - 30%LEL	15%LEL - 30%LEL	15%LEL - 30%LEL	15%LEL - 30%LEL	100ppm - 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
-----------------------	--------------

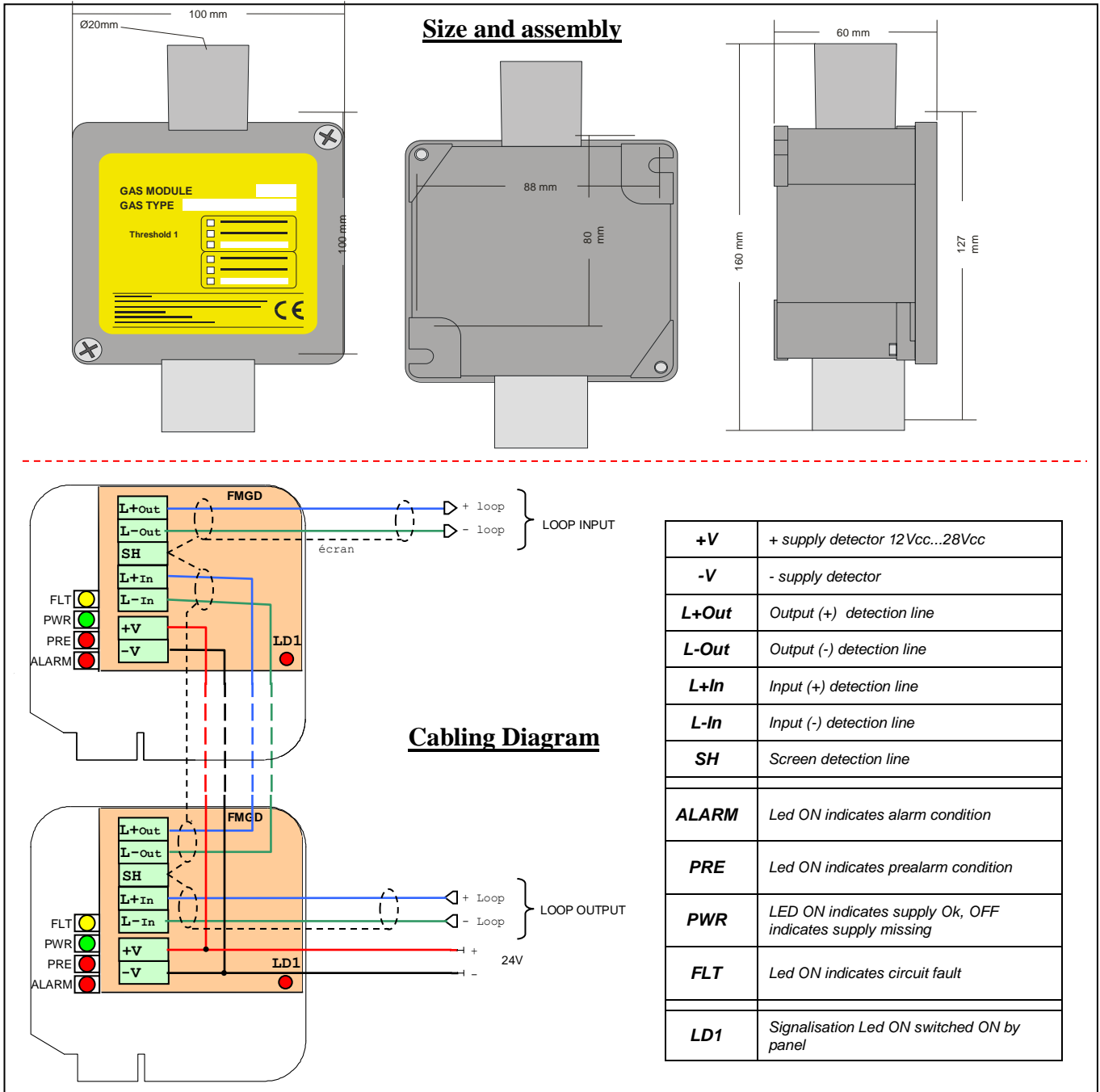
### Miscellaneous

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



# GD1xxA

## Addressable Gas detectors



### REFERENCE

GD100A  
GD102A  
GD104A  
GD105A  
GD106A  
GD109A  
GD113A

### ACCESSORIES/OPTIONS

DETTEL  
P7150V  
MEGAS  
COGAS  
VPGAS

### DESCRIPTION

Addressable Methane gas detector, CH<sub>4</sub>, IP55  
Addressable Petrol steam gas detector, IP55  
Addressable Hydrogen gas detector, H<sub>2</sub>, IP55  
Addressable Liquid propane gas detector, LPG, IP55  
Addressable Propane gas detector, C<sub>3</sub>H<sub>8</sub>, IP55  
Addressable Acetylene gas detector, C<sub>2</sub>H<sub>2</sub>, IP55  
Addressable Carbon Monoxide, Electrochemical cell, CO, IP55

Remote control with display and Keypad for gas detectors  
Test kit for gas detectors  
Methane gas bottle, 40%L.I.E, 12 litres  
Carbon monoxide gas test bottle, 250ppm, 12 litres  
Petrol steam gas test bottle, 40%, L.I.E, 12 litres.

