

Description

Gas detectors are part of the new gas detector range for industrial and tertiary applications. The detector has a head with a sensitive semiconductor element to measure explosive gas concentration on LEL (Low Explosive Limit) scale.

The detector is pre-set on Prewarning level of 15% and Warning at 30% of LEL. For toxicity NH₃ 100 ppm prewarning and 200 ppm warning cod 07 and 1000 ppm prewarning and 2000 ppm warning cod 08. A handheld programmer and a PC software are optionally available; with them it is possible to conduct a field test of the detector and to change the configuration: detection threshold, alarm filters, addressing, full scale, etc. Head replacement can be done only by manufacturer.

The detector is supplied with a dustproof metallic enclosure ADFT IP55, or the location of the electronic communication and of the sensitive element, that is placed into the lower part and protected by a special bronze grid.



Models

MOON serie gas detectors are provided with two electronic boards; one for calibration algorithm control and sensitive element compensation (1), a second one to manage communication towards controlling system (2).

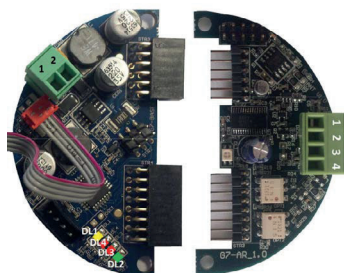
The detector comes with one of the following communication cards:

-42 Analogue output model of 4-20 mA, both active and passive, positive or negative. Typical connection for application with PLC. Possibility of calibrating the full scale signal values.

-RL 3 Relay output module for Prewarning and Warning. Dry contact outputs can be set as NA or NC, normally used for the connection in burglary systems or directly used for electrical boards.

-LV Communication module for analogue boards with Teledata protocol. The module can transmit prewarning, warning and fault information using a single Loop address (depending on the central system). Up to 240 detectors for Loop.

G7-BASE-2 CARD



HELPCARD

Technical data

Supply voltage	12/24 Vdc
Sensitive element	Catalytic
Power consumption in stand-by	70 mA max
Power consumption in alarm	100 mA max
Operating temperature	0°C / +40 °C
Relative humidity	90%
Enclosure	ATEX ADPE
Weight	450 g
Dimension (HxWxD)	165x100x60
Cable gauge	20 mm