

LANDFILL GAS

Gas Detection Control Panel

The Gas Detection control panel manages up to 20 conventional detector lines (zones) for SL-020 models or up to 36 lines for SL-036 model.

Each line (zone) accepts up to 30 devices and is provided with an additional I/O line that can be configured as an open-collector output (the activation principles can be defined during the configuration phase) or as an independent input line (separate from the zone) for fire detection, gas detection line, etc.

The available control panel models are:

- SL020-2 - with 2 zones non expandable
- SL020-4 - with 4 zones expandable to 20
- SL036-4 - with 4 zones expandable to 36

MAIN FEATURES

AC POWER	SL020 / SL030
Frequency	230VAC +/- 10%
Nominal output voltage	50Hz
Maximum output current	27,6V
I _{max.} a	2.1A / 5.2A
Maximum battery current emission during primary power failure	1,5A / 4A
Maximum current for external loads and accessory devices	1,5A / 4A
Maximum current draw on terminal + AUX	1,41A / 3.91A
Maximum current draw on terminal + AUX-R	0.8A
Maximum battery-charge current	0.8A
Battery specifications	0.6A / 1.2A
Maximum internal resistance of the batteries (R _i max)	2 x 12 V, 7 Ah / 2 x 12 V, 17 Ah
Output voltage	2.7 Ohm / 1 Ohm
Battery shutdown tension	from 18 to 27.6V
Internal fuse of switching power supply module	19 V
Maximum output current ripple	T 3.15A 250V
Operating temperature	1%
Isolation class	from -5°C to 40°C
Enclosure protection class (EN 60529)	I
Dimensions	IP30
Weight	325 x 325 x 80 mm / 497 x 380 x 87 mm
	2.8 Kg / 6 Kg



All control panels from the SL series are EN54-2, EN54-4 and EN12094-1 compliant.

Photos might change without prior notice.

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295 Series CH4 Detector

The **295** series is a three-wire 4÷20mA transmitter able to detect combustible gases by employing a catalytic sensor calibrated up to 20% LEL to different gases and find their best application in centralized alarm systems.

The instruments is flameproof certified and comprise of an enclosure in which the electronic circuit and the terminals are mounted and a downward facing cylindrical sensor housing with inside a replaceable "**Cartridge Sensor**".

The instrument has a 4x20mA linear output (**S**) with **20%LIE** (Lower Explosive Limit) F.S. of detected gas.

The Printed Circuit Board, F1 and F2 key using for Test and Calibration routine, protected by a code, and 3 LED shows the working conditions:

Red LED "ALARM": 20% LEL alarm indication.

Green LED "ON": normal working condition.

Yellow LED "FAULT": the sensor should be faulty, disconnected, out of scale or expired.

293 Methane CH4 is calibrated to detect Methane, a gas lighter than air. Its density as to air is 0.55 and its LEL (Lower Explosive Limit) is 4.4%volume.

INSTALLATION

it should be fixed at 20-30 cm from the ceiling (the Methane gas is lighter than air).

Average life: The sensitive element used in this detector has an excellent stability in time. In fresh air and in normal working condition the sensor's life is about 5 years from the date of installation.

After this period the yellow LED "**FAULT**" flashes every 4 seconds, is necessary replacing the "**Cartridge Sensor**".

Note: the detector is not able to detect gas leaks occurring outside the room where it is installed, neither inside walls or under the floor.

Ex II 2G Ex d IIC T6 Gb

Certificate number

CESI 03 ATEX 323 X



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