



**Stand-alone detector** designed for the detection of explosive gases using catalytic technology (pellistor), for a detection range of 0 to 100% L.E.L and resistant to silicone vapours. It is also available in a special version with three programmable relay outputs.

#### Functions:

- Optical indicator for status & sensor fault
- Selection of gas to be detected by using a jumper
- Programmable initial status for the alarm relay
- Programmable alarm levels. Up to three levels in the special version or two levels plus fault output.
- Programmable activation delay for the alarm relay. Fixed in the special version.

- **Stand-alone functioning:** not connected to a control panel.
- **Detection range** from 0 to 100% L.E.L.
- **Resistant** to silicone vapours (HDMS).
- **IP65** protection grade.

## AVAILABLE GASES

Methane- Natural Gas  $\text{CH}_4$  - Butane  $\text{C}_4\text{H}_{10}$  - Propane  $\text{C}_3\text{H}_8$  - Hydrogen  $\text{H}_2$

STANDGAS HC allows for the automatic selection of the gas to detect, of any of the available gases, through using a protocol established by a jumper.

## APLICACIONES

- Battery Rooms – Pharmaceutical Laboratories – University Laboratories – Boiler rooms – Kitchens  
Three relays special version for use with fire and security panels.

## TECHNICAL CHARACTERISTICS

Technology	Catalytic sensor and microprocessor
Voltage supply	From 10V to 24V DC (2-wire +/-)
Maximum consumption at 12 V DC	130 mA at 12V DC with three active relays (three relay version)
Gas measurement range	0-100% L.E.L (5% vol. Methane) - linear full range -
Resolution	±1% L.E.L. of measurement range
Zero deviation	± 10mV/year
Span deviation	± 10% L.E.L./year
Stabilization time	< 15 minutes –all specifications-
Response time T50/T90	6s & 10s respectively
Useful life	Approx. 3 years in normal working conditions
Maintenance period	Annual -recommended-
Humidity range	0 to 90% RH with no condensation
Environmental conditions	-10°C to +50°C
Atmospheric pressure limits	80 a 110 kPa (0.8 a 1.1 bar)
Fault sensor optical indicator	External
Status optical indicator	External/ Internal HC 3 levels
Switched alarm relay output dry contact 3A 250V AC	1 programmable alarm level with two options (20% L.E.L and 50% L.E.L), instantaneous/delayed disconnection with programmable disconnection delay. Relay status programming between at rest/activated. For 3 levels models consult user manual.
Coverage area	16/30 m <sup>2</sup> approximately
Protection grade	IP65
Box material	Makrolon & ABS
Input and cable diameter	Cable glands / 6-10mm <sup>2</sup> -to maintain IP65 protection-
Dimensions in mm and weight in gr	120 X 160 X 60 / 288

## WARRANTY

STANDGAS HC detectors are guaranteed against any manufacturing defect for 1 year from the date of purchase. Warranty conditions are included in the installation manual of the detector.

## ORDERING INFORMATION

When placing the order please be sure about the correct product code according to the description and check that it complies with your requirements.

Remember that gas selection is done by protocol assigned using a jumper

### STANDGAS HC

CODE	DESCRIPTION
SPLFBPNr	Stand-alone detector for explosive gases (butane-methane-hydrogen) with relay output
SPLFBPNMR	Stand-alone detector for explosive gases (butane-methane-hydrogen) with 3 relay outputs