

HL

flush mounted



HL built-in gas detectors compliant with the CEI 216-8 Standard for methane and LPG, use a catalytic type sensor inserted in a highly reliable electronic control circuit. Designed and tested in compliance with the CEI 216-8 standard to intervene only in the presence of a specific concentration of combustible gas in the air, they resist common vapors and interfering substances normally present in domestic environments and guarantee high stability to variations in temperature and humidity. These features avoid the adoption of particular measures or the exclusion of the detector while cooking food.

Each HL detector, after a rigorous test, is individually calibrated with sample gas to intervene at 10% of the Lower Explosivity Limit (L.I.E.).

Thanks to their reliability, if used and installed according to the instructions in the user manual, they will intervene, in the event of a gas leak, for at least 5 years without causing false alarms.

The HL gas detectors are equipped with self-diagnosis thanks to which the detector is able to signal the fault condition with a yellow LED and by turning on a blue light, around the expiry plate, the passing and reaching of 5 years of operation continuous expected before the detector replacement. The "HL" gas detector is equipped with a powerful acoustic warning device and a dry contact relay for controlling a solenoid valve.

Features

- Models available for methane and L.P.G.
- High selectivity, free from false alarms
- Indication of the number of functioning years
- Sensor fault check
- Sensor end-of-life indication
- Integrated microprocessor
- Compatible with BTICINO Light, Luna, Living International, Light Tech VIMAR Plana, Eikon, Eikon Next* frames
- Integrated relay to operate external devices on alarm
- Wide range of accessories available (gas valves, alarm indicators, gas test bottles)
- Compliant CEI 216-8

Ordering Information

Models

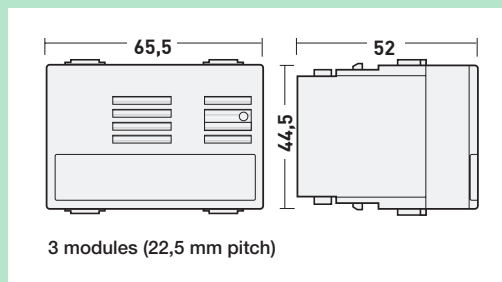
B10-HL1	HL Methane (CH ₄) - black
B10-HL1/B	HL Methane (CH ₄) - white
B10-HL2	HL L.P.G. - black
B10-HL2/B	HL L.P.G. - white

Accessories and spares

B90-SIRELAMP/220	Segnalatore acustico luminoso 230 Vac
B98-BG1	Bomboletta 50 ml propano-butano per test

A wide range of manual reloading gas valves are also available:

40ORM Series NA, NO, brass body, lever reloading
50ORM Series NC, NO, brass body, lever reloading
60ORM Series NO, NO, alluminium body, lever reloading
90ORM Series NC, NO, alluminium body, lever reloading



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Specifications

Power

Input power: 230 Vac 50/60 Hz ($\pm 10\%$)
Power consumption: 5 VA (stand-by)

Environmental

Operating temperature: $-10 / +40^{\circ}\text{C}$
Relative Humidity: $30 \div 90\%$ UR
Enclosure rating: IP40

Mechanical

Dimensions: 66 x 44 x 52 mm
Weight: 103 gr
Color: Black or white
Housing: PC/ABS UL94-VO autoestinguente
Mounting: Flush mounted (compatible with BTICINO Light, Luna, Living Int. Light Tech and VIMAR Plana, Eikon, Next* frames)

Sensor:

Type: (see table)
Life expectancy: 5 years
Warm-up time: < 30 seconds
Response time: < 15 seconds
Alarm level: (see table)
Further features: Highly selective
Sensor fault indication

Gas	Detector model	Sensor type	Alarm level
CH ₄	HL1	Catalytic	10% L.E.L.
L.P.G.	HL2	Catalytic	10% L.E.L.

Audible alarm:

Audible: Buzzer > 85 dbA at 1 meter

Output:

Alarm relay: 1, Sealed 250 Vac 5 A (NO - C - NC)

LED indicators:

Green: Power on
Yellow: Fault alarm
Red: Alarm
Blue: Warm-up time / sensor life

Operational:

1 push button (reset, detector test, functioning years counting)

Compliant:

CEI 216-8
EMC (EN 50270)

Gas detector with microprocessor

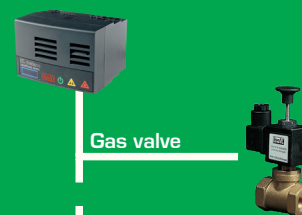
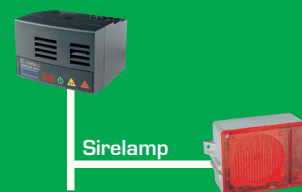
HL



BTICINO series:
Light
Luna
Living Int.
Light Tech

VIMAR series:
Plana
Eikon,
Next

Wiring examples



This data sheet replaces previous ones.
The manufacturer can change without prior notice product specifications and details. Descriptions and illustrations are shown only in order to aid the customer. All data herewith enclosed is the copyright protected.