

HF

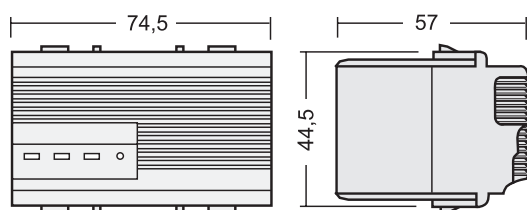
flush mounted



The HF series gas detectors combine an elevated reliability to the versatility and practicality of a universal flush mounting system. In fact, a complete gas detector with power supplier and relay is embedded in only three standard modules (75x45).

Besides the HF series gas detectors can be mounted on the most common frames, without the need of external accessories or adapters.

HFC1 and HFC2 models are UNI-CEI-CIG 70028 compliant.



Features

- Models available for methane, L.P.G. and carbon monoxide
- Highly selective and poison resistant
- Indication of the number of functioning years
- Sensor fault check
- Integrated microprocessor
- Compatible with AVE, BTICINO Living, GEWISS Playbus and VIMAR Idea* frames without the need of external accessories
- Integrated relay to operate external devices on alarm
- Wide range of accessories available (gas valves, alarm indicators, gas test bottles)
- UNI-CEI-CIG 70028 compliant where applicable

Ordering Information

Models

B10-HFC1	HF Methane (CH ₄) - black
B10-HFC1/B	HF Methane (CH ₄) - white
B10-HFC2	HF L.P.G. - black
B10-HFC2/B	HF L.P.G. - white
B10-HFS3	HF carbon monoxide (CO) - black
B10-HFS3/B	HF carbon monoxide (CO) - white

Accessories and spares

B90-SIRELAMP/220	Audible/Visual alarm unit 230 Vac
B98-BG1	Gas bottle 50 ml propane-butane (for test combustible gas)

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

100RM series	NO, alluminium body, button reloading
300RM series	NO, alluminium body, button reloading
400RM series	NO, brass body, lever reloading
500RM series	NO, brass body, lever reloading
600RM series	NO, alluminium body, lever reloading
900RM series	NO, alluminium body, lever reloading

Specifications

Power

Input power: 230 Vac 50/60 Hz ($\pm 10\%$)
Power consumption: 3,3 VA (stand-by)

Environmental

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

Mechanical

Dimensions: 74,5 x 44,5 x 57 mm
Weight: 210 gr
Color: Black or white
Housing: PC/ABS UL94-V0
Mounting: Flush mounted (compatible with AVE, BITICINO Living, GEWISS Playbus and VIMAR Idea 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, poison resistant
Sensor fault indication

Gas	Detector model	Sensor type	Alarm level
CH ₄	HFC1	Catalytic bead	10% L.E.L.
L.P.G.	HFC2	Catalytic bead	10% L.E.L.
CO	HFS3	Semiconductor	100 ppm

Audible alarm:

Audible: Buzzer > 85 dbA at 1 meter

Output:

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

LED indicators:

Green: Power on
Yellow: Fault / sensor life expired
Red: Alarm

Operational:

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

Compliant:

UNI-CEI-CIG 700 8 (HFC1 and HFC2 models only) EMC (EN 50270)

Warranty:

Two years

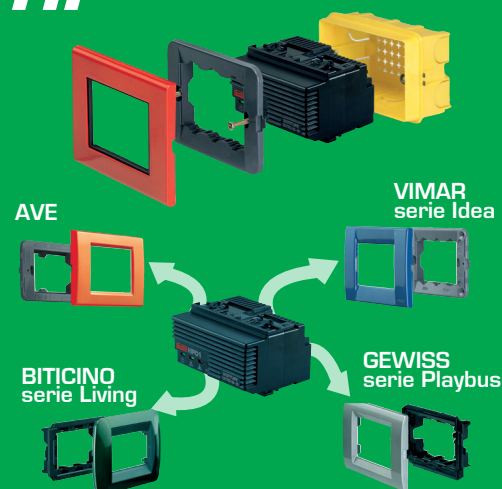
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Gas detector with microprocessor

HF



Wiring examples



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