

Combustible gas detector with μP

DOMINO

with replaceable sensor module
EN 50194 compliant



Domino series gas detectors use a powerful microprocessor which, coupled with the CK plug-in sensor modules, extends the detector life from 5 to 15 years (replacing 2 times the CK module).

CK sensor modules are distinguished by their outstanding selectivity and reliability. They use the latest generation low absorption sensors and are extractable. The CK sensor module is equipped with a permanent memory containing production parameters such as gas type, calibration concentration, manufacture date, serial number, etc. In addition, the sensor module memorizes the number of hours it has been in function. This performance of prolonging the detector's life up to 15 years drastically reduces the maintenance costs.

Features

- Models available for methane and L.P.G
- Longer detector life (up to 15 years) thanks to the easy to replace sensor module
- Highly selective and poison resistant catalytic bead sensor
- Indication of number of functioning years
- Indication of sensor life ending
- Integrated microprocessor
- Integrated relay to operate external devices on alarm
- Two or more detectors can operate the same gas valve
- EN 50194-1:2009 compliant
- IMQ-CIG certified

Models

B10-DM01	With CK1 module - Methane (CH ₄)
B10-DM02	With CK2 module - L.P.G.

Accessories and spares

B95-CK1	CK1 module - Methane (CH ₄)
B95-CK2	CK2 module - L.P.G.
B90-SIRELAMP/220	Audible/visual alarm unit 230 Vac
B98-BG1	Gas Test 50 ml propane-butane mixture

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

40ORM series	NO, brass body, lever reloading
50ORM series	NC, brass body, lever reloading
60ORM series	NO, aluminium body, lever reloading
90ORM series	NC, aluminium body, lever reloading

Specifications

Power

Power input:	230 Vac 50 Hz ($\pm 10\%$)
Power consumption:	3,2 VA (stand-by)

Environmental

Operating temperature:	-10 / +40° C
Relative Humidity:	30 ÷ 90% non-condensing
Enclosure rating:	IP42

Mechanical

Dimensions:	160 x 92 x 42 mm
Weight:	350 gr
Color:	Ivory
Housing:	PC/ABS UL94-V0
Mounting:	Wall mounted

Sensor

	Replaceable sensor module
Type:	Catalytic bead
Sensor life expectancy:	5 years
Detector life expectancy:	15 years
Warm-up time:	< 30 seconds
Response time:	< 20 seconds
Alarm level:	10% L.E.L.
Further features:	Highly selective Sensor fault indication

Alarm:

Audible:	Buzzer > 85 dbA at 1 meter
Alarm relay:	1, 5A @ 250 Vac (NO - C - NC)

LED indicators:

Green:	Power on
Yellow:	Warm up/fault
Red:	Alarm
Blue:	Special functions such as sensor life expiration indication

Operational:

1 push button (detector reset, test and sensor module functioning years count)

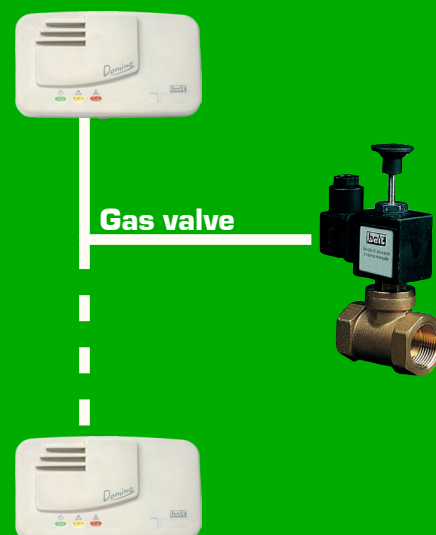
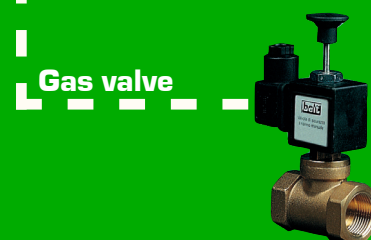
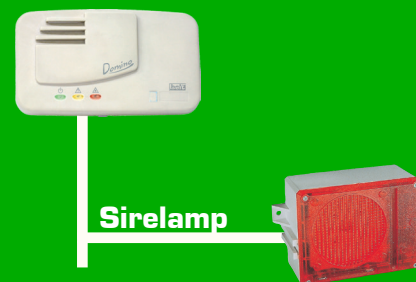
Approvals:

EMC (EN 50270)
EN 50194-1:2009
IMQ-CIG

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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.



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