

NFG-8

DESCRIPTION

The extremely innovative and versatile NFG-8 gas detection control panel is the ideal solution for small plants.

The system allows monitoring 8 gas detectors connected with 4-20 mA transmission directly to the control unit.

Every input can be configured for a different kind of gas: toxic and flammable compounds, refrigerant gases and oxygen for depletion and enrichment.

The backlit display assures a precise indication of the gas concentrations and allows the monitoring of the alarm set levels.

The control panel manages up to 22 relay outputs of which 6 on-board (contact capacity 8 A 250Vac) and the further 16 by NFG-16REL module (contact capacity 6 A 250Vac).

The control panel is housed in an ABS box and can contain 2 12Vdc, 7Ah batteries to ensure system operation even in the event of a power failure.

The control panel is ATEX and SIL1 certified, as well as CE marked.

User interface:

The control panel has a backlighting LCD display of 4 lines of 16 characters each, for interaction with the user and, on the front, a few buttons dedicated to the main operator functions.

A double row of LED indicators summarizes the general status of the control panel.



PK-NFG-8:

It has a configuration software tool for PC in Windows environment and great ease of use.

It can be downloaded for free from the Notifier Italia website.



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SISTEMA GESTIONE QUALITÀ E AMBIENTE CERTIFICATI UNI EN ISO 9001:2008 - UNI EN ISO 14001:2004

MAIN FEATURES

- 8 selectable languages;
- Programmable signs: point: 32 characters; areas: 32 characters;
- Programmable alarm threshold for sensors.
- Decision algorithms for alarm, pre-alarm and fault criteria.
- History archive of 1,000 events that can be consulted from the display and downloaded on PC with PK-NFG-8.
- Real-time clock;
- 3-position key on the front panel to enable key functions;
- System TEST and MAINTENANCE mode;
- 6 programmable relay outputs with 8A 250V contacts on-board, expandable to 16 6A 250V relay module.
- Each output can be used as a potential-free NO or NC contact.
- The NFG-8 can only be programmed via a personal computer with a specific software. The software has been designed for quick and easy programming.
- The connection with the PC takes place via the RS232 serial port or via USB available on the main board of the control panel.

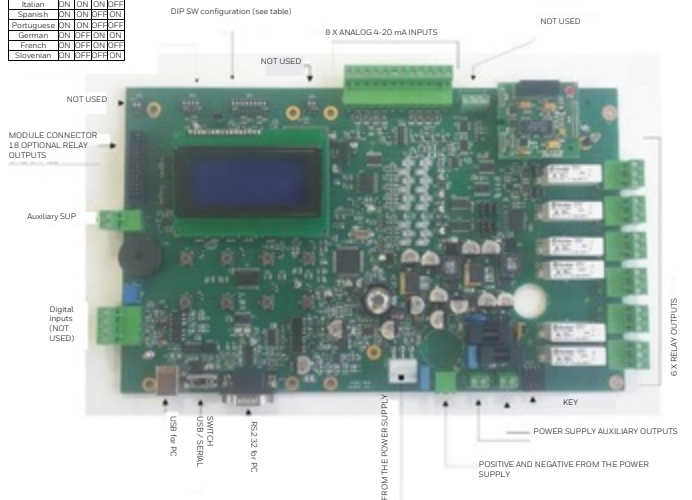


TECHNICAL FEATURES

- Input: 100÷240Vac +/- 15%, 10VA max 50÷60Hz
- Power: 750mA @ 220Vac
- Voltage: 27.6Vdc – 5.4A total (2.7A towards the batteries and 2.7A towards the main board)
- Battery charging: 27.6Vdc - 2.7A (with temperature compensation) *Recommended batteries: 2 x 7 Ah*
- 2 consumers outputs: 27.6Vdc (+3% +/-18%) 1 A each and protected by a fuse to power external loads
- 4 lines x 16 characters LCD display
- Relay contact capacity in control panel: 8A 250Vac
- Optional relay module contact capacity: 6A 250Vac
- The typical cable suggested for connecting 4–20mA sensors: 3 x 0.75 shielded that allows a distance of up to 100 meters between the gas detector and the control panel

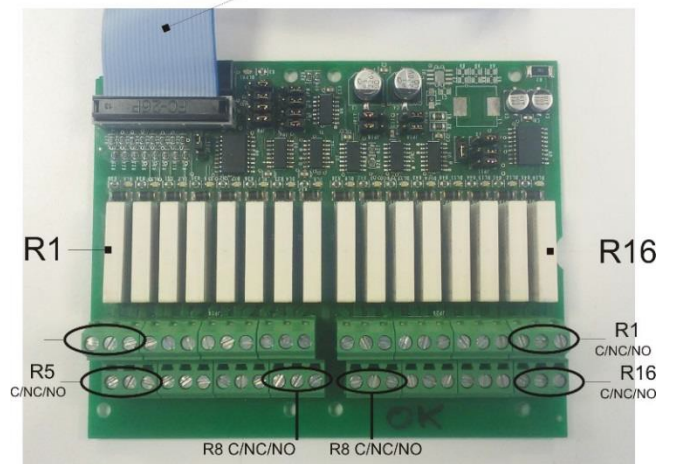
MAIN BOARD

LANGUAGES	DIP SW	ON	OFF
Language	EN	FR	IT
English	ON	OFF	OFF
Italian	ON	ON	OFF
Spanish	ON	OFF	ON
Portuguese	ON	ON	ON
German	ON	OFF	ON
French	ON	OFF	OFF
Slovenian	ON	OFF	OFF



Optional 16 RELAY MODULE

Flat cable to the control panel board



ENVIRONMENTAL FEATURES

- Operating temperature: 0 °C to +55 °C
- Storage temperature: -20 °C to +60 °C
- Operating RH: 15 to 85%
- Storage RH: 5 to 85% (non-condensing)
- Degree of protection: IP 42

MECHANICAL FEATURES

- ABS box
- Dimensions: 420 x 380 x 160 mm
- Weight: 4 kg (without batteries)

