

DESCRIPTION

The VGN line gas detector, have been designed and realised to be use in commercial and industrial applications in non-classified areas (**DUST PROOF IP55** rated).

VGN have been designed to detect gas contents in an atmosphere mainly constituted by air. They can either detect explosive compounds, or carbon monoxide (CO), with a concentration expressed in ppm (parts per million). The industrial type catalytic sensor use in models **VGN VB** and the electrochemical cell use in **VGN COE** offer a superior precision and selectivity, thus avoiding false alarms and assuring an excellent reliability in time. Detectors are factory calibrated. Future modification of the preset calibration can be carried out by the special CAL-GAS (RIF41E) calibration keypad.

The gas detectors are designed to be connected to any analog control unit (4÷20mA).

Realized in accordance with CEI 216-9/1-2.

The VGN series detectors are available in two versions.

VGN.PARK-VB: for gasoline vapour

VGN.PARK-COE: for carbon monoxide

GASOLINE VAPOURS

The gases heavier than air tend to spread downwards so the detector should be placed at 30÷50 cm from the floor.

CARBON MONOXIDE

This gas having a specific weight approximately equal to air's should be detected at breathing level, and the detector should be at approximately 1.60m above the floor to get a reliable protection.

MAINTENANCE AND USE

The detectors work autonomously and automatically. Once connected no further operations are required, apart from periodical testing.

VGN gas detector offer a field adjustment for the zero, span (response to gas) and 4÷20mA parameters.

The calibration keypad allows the adjusting of the "zero", "span" and "4÷20mA output" values on the VGN detector. Adjustment are required whenever either fault unjustified Alarms due to environmental conditions occur (zero adjustment) or detectors need modifying their response to gas (span adjustment).



AVAILABLE MODELS

REF. STORE	MODEL	PROOF	OUTPUT	SENSOR
RIL250B	VGN.PARK-VB	IP55	4÷20mA	NEMOTO
RIL252B	VGN.PARK.COE	IP55	4÷20mA	NEMOTO

TECHNICAL SPECIFICATIONS

Power supply 12-24 +/-10%Vdc
Detectable range VGN VB 0÷100% LEL VB
Detectable range VGN COE 0÷300 pmm CO
Current consumption at 12 and 24Vdc VGN.PARK-VB 90÷60mA
Current consumption at 12 and 24Vdc VGN.PARK-COE 40mA
Proportional output 4÷20mA
Repeatability 5% End of Scale
Storage temperature -25 / + 60°C
Operating temperature -10 / + 40°C
Relative humidity 0÷90% non condensing
Weight 400gr.
Dimension L. 75, H. 160. P. 55 mm



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