DOMESTIC SECURITY

RV131.06 / GDTS SISMAGAS

EXPLOSIVE GAS DETECTOR WITH SEISMIC SENSOR
Technical features

Gas detected	Methane or Lpg
Relay contacts rating	10A 250V resistive
Sensor technology	catalytic
Seismic sensor technology	3 axes MEMS accelerometer
Alarm threshold level (explosive gas)	10% L.E.L.
Alarm threshold level (seismic	ASCE 25-16
Alarm signals	Optical (**LED**) and acoustic (**Buzzer**)
Working temperature	from 10° C to +40°C
Measures	170x108x39mm
IP protection	IP42

The RV131.06 SISMAGAS®, thanks to its seismic detection feature is a leadingedge technological device. A microprocessor was used to create a complete surveillance and control system with maximum flexibility.
Together with its catalytic sensor technology, it detects the presence of explosive gas, such as: Methane and LPG, with trip threshold calibrated at 10% of Lower Explosion Limit. Using the builtin relay it can activate: solenoid valves, sirens, and any other alarm signal device.
The micro switches make it possible to select the relay impulse functioning, to connect manual reset solenoid valves, or the continuous functioning, and to activate N.C. class "A" solenoid valves and sirens.
The triaxial acceleration sensor inside the device can detect seismic events respecting the ASCE 25-16 norm and consequently interactions of the gas solenoid valve interrupting the flow, further preserving the building. It has the possibility, for all those that in case of rescue would pertain to operate in complete safety.

SICUREZZA DOMESTICA

RV131.06 / GDTS SISMAGAS

RIVELATORE GAS ESPLOSIVI CON INTERVENTO SISMICO
Caratteristiche Tecniche

Gas rivelabili	Metano o Gpl
Portata dei contatti del relè	10A 250V resistivi
Tecnologia sensore gas	catalitica
Tecnologia del sensore sismico	accelerometro MEMS su 3 assi
Soglia di allarme gas esplosivo	10% L.I.E.
Soglia di allarme sismico	ASCE 25 -16
Segnalazioni di allarme	Ottica (**LED**) e acustica (**Buzzer**)
Temperatura di funzionamento	da -10°C a +40°C
Misure	170x108x39mm
Grado di protezione	IP42

Il SISMAGAS® RV131.06, grazie al suo peculiare dispositivo antisismico è un apparecchio tecnologicamente all'avanguardia. Un microprocessore a 32 bit permette una totale sorveglianza ed un eccellente controllo del sistema garantendo massima flessibilità. Assieme alla tecnologia del sensore catalitico, il dispositivo rileva la presenza di gas esplosivi come Metano e GPL, con soglia di allarme calibrata al 10% L.I.E. Attraverso il relè si può attivare: l'elettrovalvola, la sirena ed altri segnali di allarme. Le micro switches offrono la possibilità di selezionare le funzioni d'impulso del relè, di connettere manualmente le elettrovalvole e di attivare la classe "A" N.C. per elettrovalvole e sirene. Il dispositivo interno di accelerazione triassiale permette di rilevare eventi sismici secondo la normativa ASCE 25-16 e di conseguenza interagire con l'elettrovalvola del gas interrompendone il flusso, preservando ulteriormente il fabbricato. Si ha così la possibilità, per tutti coloro che in caso di soccorso dovessero intervenire, di operare in completa sicurezza.

Code	Power supply	Gas detected
RV131.06M / GDT500111C	230V AC 50/60Hz	Methane
RV131.06G / GDT510111C		LPG

UNI EN 50194-1

On request, also available in the 115 Vac power supply version
A richiesta, disponibili anche nella versione con alimentazione 115 Vac

GAS LEAK DETECTOR

Industrial gas detection
Sicurezza gas industriale

RV150.4_ / GSE2

This catalytic probe with an index of protection of IP65 detects explosive gases including methane, LPG and others. Its microprocessor control unit provides an alarm signal to the connected detection unit, and provides an automatic calibration function that ensures consistently precise detection. The probe is therefore suitable for use in challenging and variable temperature environments, and avoids false alarms.

DIFFERENCES FROM GSE1 :
- Complete gas list,
- Expansion socketr connection available.
- Expansion tester connection available.

Technical features

Power supply	from 12 Vdc to 24 Vdc
Sensor technology	catalytic
Output	4-20 mA
Replacement sensitive element	not available
Tester connection	available
Failure signal	on central unit and on controller
Working temperature	from -10°C to +60°C
Measures	110x75x60mm
IP protection	IP65

Questo sensore con un grado di protezione IP65 rileva sia gas esplosivi (metano, GPL ecc.) che tossici. Utilizza un'unità a microprocessore in grado di elaborare i dati sulla concentrazione di gas ed eseguire una calibrazione dinamica che assicura un rilevamento preciso. Grazie al suo involucro metallico, è adatto ad essere impiegato in ambienti difficili con temperature variabili evitando falsi allarmi.

DIFFERENZE RISPETTO GSE1:
- Ampia scelta dei gas da rilevare
- Possibilità di connessione schede di espansione
- Possibilità di accesso dati con strumento di diagnosi

Caratteristiche Tecniche

Alimentazione	da 12 Vdc to 24 Vdc
Sensore	Catalitico
Uscita	analogica 4-20 mA
Sostituzione elemento sensibile	non supportata
Connessione tester per verifiche	presente
Indicazione avaria	su centrale e su sensore
Temperatura di funzionamento	da -10°C a +60°C
Misure corpo	110x75x60mm
Grado di protezione esterno	IP65

Code	Range	Gas detected
RV150.44NO / GSE26D221C		Acetone (Propanone)
RV150.44AE / GSE201021C	from 0 to 100% L.E.L.	Acetylene (Ethyne)
RV150.44AA / GSE201421C		Ammonia (Azane)
RV150.44AAP / GSE261421C	from 0 to 100 ppm	Ammonia (Azane)
RV150.44 / GSE223021C	from 0 to 300 ppm	Carbon monoxide
RV150.45V / GSE2B2621C	from 0 to 5%V	Carbon dioxide
RV150.44EA / GSE205421C		Ethyl alcohol (Ethanol)
RV150.45CH / GSE253221C	from 0 to 10 ppm	Chlorine
RV150.44EE / GSE206021C		Ethylene (Ethene)
RV150.45F / GSE256821C	from 0 to 10 ppm	Formaldehyde
RV150.44GV / GSE207621C		Gasoline vapors
RV150.44HX / GSE208221C	from 0 to 100% L.E.L.	Hexane
RV150.44H / GSE208821C		Hydrogen
RV150.44HS / GSE249821C	from 0 to 20 ppm	Hydrogen sulfide
RV150.47G / GSE20B021C		LPG
RV150.47M / GSE20B421C	from 0 to 100% L.E.L.	Methane
RV150.44MA / GSE20B621C		Methyl alcohol (Methanol)
RV150.44NO / GSE26D221C	from 0 to 100 ppm	Nitric oxide
RV150.44ND / GSE27D021C	from 0 to 30 ppm	Nitrogen dioxide
RV150.44N / GSE20E621C	from 0 to 100% LEL	Nonane
RV150.44OX / GSE2ED621C	from 15 to 25%V	Oxygen
RV150.44P / GSE20E621C		Propane
RV150.44T / GSE20G421C	from 0 to 100% L.E.L.	Toluene (Methylbenzene)
RV150.44TP / GSE20G621C		Turpentine
RV150.44X / GSE20H221C		Xylene

GAS LEAK DETECTOR

Industrial gas detection
Sicurezza gas industriale

RV150.7_/GSE4

This catalytic probe with an index of protection of IP65 detects explosive gases including methane, LPG and others. Its microprocessor control unit provides an alarm signal to the connected detection unit, and provides an automatic calibration function that ensures consistently precise detection.
The probe is therefore suitable for use in challenging and variable temperature environments, and avoids false alarms.

DIFFERENCES FROM GSE2:
- Addressable sensor with digital protocol.

Questo sensore con un grado di protezione IP65 rileva sia gas esplosivi (metano, GPL ecc.) che tossici. Utilizza un'unità a microprocessore in grado di elaborare i dati sulla concentrazione di gas ed eseguire una calibrazione dinamica che assicura un rilevamento preciso. Grazie al suo involucro metallico, è adatto ad essere impiegato in ambienti difficili con temperature variabili evitando falsi allarmi.

DIFFERENZE RISPETTO GSE2 :
- Indirizzabile con protocollo digitale

Technical features

Power supply	from 12 Vdc a 24 Vdc
Sensor technology	catalytic
Output	digital
Replacement sensitive element	with recalibration
Tester connection	available
Failure signal	on central unit and on sensor
Working temperature (1)	from -10°C to +60°C
Measures	110x75x60mm
IP protection	IP65

Caratteristiche Tecniche

Alimentazione	da 12 Vdc a 24 Vdc
Sensore	Catalitico
Uscita	digitale
Sostituzione elemento sensibile	con ricalibrazione
Connessione per verifiche e calibrazione	presente
Indicazione avaria	su centrale e su sensore
Temperature di funzionamento (1)	da -10°C a +60°C
Misure corpo	110x75x60mm
Grado di protezione esterno	IP65

(1) Valid for detectors with LEL measuring range. See technical data sheet for details/Vale per rivelatori con campo di misura LEL. Vedi scheda tecnica per maggiori dettagli.

Code	Range	Gas detected
RV150.7AP / GSE400621C		Acetone (Propanone)
RV150.7AE / GSE401021C	from 0 to 100% LEL	Acetylene (Ethyne)
RV150.7AA / GSE401421C		Ammonia (Azane)
RV150.7AAP / GSE461421C	from 0 to 100 ppm	Ammonia (Azane)
RV150.75 / GSE423021C	from 0 to 300 ppm	Carbon monoxide
RV150.75V / GSE4B2621C	from 0 to 5%V	Carbon dioxide
RV150.7EA / GSE405421C	from 0 to 100% LEL	Ethyl alcohol (Ethanol)
RV150.7CH / GSE453221C	from 0 to 10 ppm	Chlorine
RV150.7EE / GSE406021C	from 0 to 100% LEL	Ethylene (Ethene)
RV150.7F / GSE456821C	from 0 to 10 ppm	Formaldehyde
RV150.7GV / GSE407621C		Gasoline vapors
RV150.7HX / GSE408221C	from 0 to 100% LEL	Hexane
RV150.77H / GSE408821C		Hydrogen
RV150.77HS / GSE449821C	from 0 to 20 ppm	Hydrogen sulfide
RV150.77G / GSE40B021C		LPG
RV150.7M / GSE40B421C	from 0 to 100% LEL	Methane
RV150.7MA / GSE40B621C		Methyl alcohol (Methanol)
RV150.7NO / GSE46D221C	from 0 to 100 ppm	Nitric oxide
RV150.7ND / GSE47D021C	from 0 to 30ppm	Nitrogen dioxide
RV150.7N / GSE40E621C	from 0 to 100% LEL	Nonane
RV150.7OX / GSE43D621C	from 15 to 25%V	Oxygen
RV150.7P / GSE40E621C		Propane
RV150.7T / GSE40G421C		Toluene (Methylbenzene)
RV150.7TP / GSE40G621C	from 0 to 100% LEL	Turpentine
RV150.7X / GSE40H221C		Xylene

GAS LEAK DETECTOR

Industrial gas detection
Sicurezza gas industriale

RV150.50 / GSE7

The RV150.41 probe is an ATEX certified gas detection unit that, together with an industrial control unit, detects the presence of various types of gas (explosive gas, toxic gas). The probe is managed by a microprocessor which not only supplies an alarm signal to the control unit connected to it, but also allows execution of a self-diagnosis and therefore an automatic calibration, in order to always have the maximum detection accuracy. The self-calibration means the probe adapts in harsh and variable temperature environments, avoiding false alarms due to anomalous events.
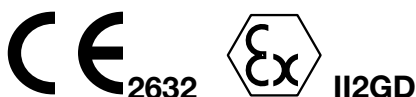
Questo sensore ATEX con un grado di protezione IP66 rileva sia gas esplosivi (metano, GPL ecc.) che tossici. Utilizza un'unità a microprocessore in grado di elaborare i dati sulla concentrazione di gas ed eseguire una calibrazione dinamica che assicura un rilevamento preciso. Grazie al suo involucro metallico, è adatto ad essere impiegato in ambienti difficili con temperature variabili evitando falsi allarmi.

DIFFERENCES FROM GSE6:
- Addressable sensor with digital protocol.

DIFFERENZE DA GSE6:
Sensore indirizzabile con protocollo digitale.

Technical features

Power supply	from 12 Vdc to 24 Vdc
Sensor technology	catalytic
Output	digital
Replacement sensitive element	not available
Tester connection	available
Failure signal	on central unit and on controller
Working temperature	from -20°C to +60°C
Measures (dxh)	100x65mm

Caratteristiche Tecniche

Alimentazione	da 12 Vdc to 24 Vdc
Tecnologia sensore gas	catalitica
Uscita	digitale
Sostituzione elemento sensibile	non supportata
Connessione tester per verifiche	presente
Indicazione avaria	su centrale esu sensore
Temperatura di funzionamento	da -20°C a +60°C
Misure corpo (dxh)	100x65mm

$C\epsilon$ **2632** $\langle Ex \rangle$ **II2GD**

Ex dIIC T6 (85°C)
Ex tD A21 IP66 85°C
CEC 14 ATEX 098

ATEX

Code	Range	Gas detected
RV150.50AP / GSE700631C		Acetone (Propanone)
RV150.50AE / GSE701031C	from 0 to 100% L.E.L.	Acetylene (Ethyne)
RV150.50AA / GSE701431C		Ammonia (Azane)
RV150.50AAP / GSE761431C	from 0 to 100 ppm	Ammonia (Azane)
RV150.515 / GSE723031C	from 0 to 300 ppm	Carbon monoxide
RV150.515V / GSE7B2631C	from 0 to 5%V	Carbon dioxide
RV150.50EA / GSE705431C	from 0 to 100% L.E.L.	Ethyl alcohol (Ethanol)
RV150.50CH / GSE753231C	from 0 to 10 ppm	Chlorine
RV150.50EE / GSE706031C	from 0 to 100% L.E.L.	Ethylene (Ethene)
RV150.50F / GSE756831C	from 0 to 10 ppm	Formaldehyde
RV150.50GV / GSE707631C		Gasoline vapors
RV150.50HX / GSE708231C	from 0 to 100% L.E.L.	Hexane
RV150.50H / GSE708831C		Hydrogen
RV150.50HS / GSE749831C	from 0 to 20 ppm	Hydrogen sulfide
RV150.50G / GSE70B031C		LPG
RV150.50M / GSE70B431C	from 0 to 100% L.E.L.	Methane
RV150.50MA / GSE70B631C		Methyl alcohol (Methanol)
RV150.50NO / GSE76D231C	from 0 to 100 ppm	Nitric oxide
RV150.50ND / GSE77D031C	from 0 to 30 ppm	Nitrogen dioxide
RV150.50N / GSE70E631C	from 0 to 100% LEL	Nonane
RV150.50OX / GSE73D631C	from 15 to 25%V	Oxygen
RV150.50P / GSE70E631C		Propane
RV150.50T / GSE70G431C	from 0 to 100% L.E.L.	Toluene (Methylbenzene)
RV150.50TP / GSE70G631C		Turpentine
RV150.50X / GSE70H231C		Xylene