INOSENT

GAS DETECTION

COOLING SYSTEMS

INOSENT the brand for reliable gas detection systems.

INOSENT

GASWARNTECHNIK AG

Eichwatt 5 | CH – 8105 Regensdorf / Switzerland
Telephone: +41 (0)44 556 83 00 | Fax: +41 (0)44 556 83 01
info@inosent.ch | www.inosent.ch

INOSENT
GAS DETECTION

COMPANY

WE ARE INOSENT

Our products are defined by creativity along with constant development. Our goal is to always deliver our customers the best solution while striving to create an excellent enduring working relationship. Trust, fairness and dependability are our highest priorities. At Inosent, we are firmly convinced that the best solutions can only be found through loyal, courteous consultation and collaboration. At the same time, we are always open to new ideas and we enjoy exciting challenges. INOSENT is authentic, fair – and always there for you.

OUR CUSTOMERS ARE IMPORTANT TO US

Our constant enthusiasm for our work is also the result of our belief in the value of genuine co-operation with our customers. We will give you honest advice that makes it possible for you to profit from our knowledge of the latest technical possibilities. Because, at the end of the day, even a technical field like gas detection technology is about human beings who are working with each other and for each other. And because of that, the honest relationship to our customers and the serious interaction with our customers is the most important thing for Inosent. INOSENT has time for you – and is always there for you.

WE LIKE TO FIND NEW PATHS

The world is in constant change – and, in technical fields above all, it is important to meet new possibilities with enthusiasm and creativity. When safety is the primary objective, the continual development of systems and solutions work in tandem with this goal. That is why we, at Inosent, keep our enthusiasm for innovation, and work both creatively and carefully on new solutions that can better satisfy our customers' requirements. INOSENT has time for you – and is always there for you.

For more information, please visit www.inosent.ch

INOSENT
GAS DETECTION

AREAS OF APPLICATION

INOSENT the brand for reliable gas detection systems.

In the workplace, gas detection systems are an indispensable safety asset across a spectrum of industrial processes. Consider the routine daily use of gases in heating and refrigeration equipment in addition to the dangerous gaseous produced from processes such as, fermentation, incineration, engine combustion to name but a few. These gases can be explosive or toxic as well as colourless, odourless and tasteless. Gases and their presence in ambient air must therefore, be accurately and professionally monitored continuously on a 24-hour basis.

INOSENT offers you intelligent, comprehensive solutions within a wide scope of industrial applications. We will support you with constructive and competent advice so that you can plan for the highest levels of safety.

COOLING SYSTEMS

IN GENERAL, THE FOLLOWING GASES WILL BE MONITORED:

(H)FKW | HFO | C_3H_8 | CO_2 | NH_3

WE RECOMMEND:

- INOSENT EASY
- INOSENT ULTIMATE

UNDERGROUND CAR PARK

IN GENERAL, THE FOLLOWING GASES WILL BE MONITORED:

CARBON MONOXIDE CO
NITROGEN DIOXIDE NO_2

WE RECOMMEND:

- INOSENT COMPACT
- INOSENT ULTIMATE

GAS HEATING

IN GENERAL, THE FOLLOWING GASES WILL BE MONITORED:

METHANE CH_4 | PROPANE C_3H_8

WE RECOMMEND:

- INOSENT CLASSIC

LABORATORY

IN GENERAL, THE FOLLOWING GASES WILL BE MONITORED:

O_2 | CO | H_2 | CO_2 | NH_3 | C_3H_8
O_3 | SIH_4 | PH_3 | ECT.

WE RECOMMEND:

- INOSENT ULTIMATE

INDUSTRY
ATEX ZONE 1 & 2
SIL 1 & SIL 2

IN GENERAL, THE FOLLOWING GASES WILL BE MONITORED:

NH_3 | SOLVENTS | C_3H_8
CH_4 | H_2 | ECT.

WE RECOMMEND:

- INOSENT PREMIUM
- INOSENT ULTIMATE

INOSENT
GAS DETECTION

PRODUCT LINES

EASY

A simple, very high-quality, stand-alone compact solution for small systems:

24 VDC/AC or 230 VAC | LED status display | 85 dB-Alarm Horn
2 Relay outputs | 4-20mA, 0–10VDC, Modbus RTU | IP 65 Protected

COMPACT

The ideal solution for monitoring CO and NO2 as well as humidity in underground garages:

24 VDC | 16 BUS-Inputs for gas detectors and alarm lights | 4 x 4-20mA-Input | LCD-Display | 8 Digital outputs | Output 0-10VDC, Modbus RTU

CLASSIC

Efficient gas monitoring monitor in a wall-mounted housing for 2, 4 or 6 gas detectors:

24 V DC/AC or 230 VAC | 2, 4 or 6 × 4–20mA-Input | LCD-Display
4 Relay outputs | IP 65 Protected | incorporated data logger

ULTIMATE

A versatile, intelligent gas detection system with an innovative visual display of parameters on a touch screen:

24 VDC | 90 Inputs for gas detectors, alarm lights and accessories | 7'' Touch-Display | USB/ RJ45-Connection | 8 Relay outputs, expandable Modbus RTU/TCP outputs, optional 0-10VDC or 4-20mA

PREMIUM

A powerful, multi-functional gas detection system specially designed for SIL1 or SIL2 systems:

24 VDC | 256 Inputs for gas detectors (BUS or 4–20mA)
LCD-Display | 8 Relay outputs, expandable | 19''-Rack or metal box
incorporated data logger

PORTABLE

Blackline Safety: Wide range of gas sensors and accessories.
Alarm forwarding with location information by e-mail and SMS.

Riken Keiki: Mobile single-gas and mulit-gas devices, extremely robust, smallest and lightest five-gas meter in the world.

COOLING SYSTEMS

Among the dangers found in refrigeration systems are flammable gases from which an explosive gas-air mixture can emerge. Also the odour-free, toxic carbon dioxide is very dangerous in high concentrations. Depending on the system, the possible dangers must be mitigated appropriately to ensure the complete safety of the system.

INOSENT RECOMMENDS THE «EASY» PRODUCT LINE FOR SMALL REFRIGERATION PLANTS.

Easy is a simple, high-quality, compact solution for small systems that can be easily installed by the customer. The gas detection system is delivered pre-calibrated for different refrigerants and, if required, pre-programmed for the normal alarm levels.

THE COMPACT CLASSIC FOR REFRIGERATION SYSTEMS: THE «EASY» PRODUCT LINE

– STANDALONE GAS DETECTORS FOR MONITORING (H)FKW, HFO, C_3H_8 AND CO_2

– LED-LIGHT WITH INTEGRATED ALARM HORN

– FLASHING LIGHT

– ALARM HORN

INOSENT has two options in its range of products that meet the requirements of a refrigeration system. The EASY product line is ideal for small refrigeration systems, while the ULTIMATE product line can give a better overview for larger, more complicated solutions.

INOSENT RECOMMENDS THE «ULTIMATE» PRODUCT LINE FOR LARGE REFRIGERATION PLANTS.

This comprehensive, technically sophisticated solution provides a quick, easily understandable visualisation of all events and measured data; there is an overview of the connected detectors on the integrated 7-inch screen, or a single view showing concentration levels over time. Logging of gas concentration levels, alarms and malfunctions, as well as a web server and a MODBUS output for communication with the building control system, are all integrated into the system. Other plus points: the BUS wiring of the gas detectors and LED visual alarms offers large cost savings.

THE IDEAL SOLUTION FOR COOLING SYSTEMS: THE «ULTIMATE» PRODUCT LINE:

– RELIABLE MONITORING OF (H)FKW, HFO, PROPANE, CARBON DIOXIDE AND AMMONIA

– «ULTIMATE» CONTROL PANEL

– GAS DETECTORS FOR MONITORING (H)FKW, HFO, C_3H_8 AND CO_2 AND NH_3; OTHER DETECTORS CAN BE CONNECTED

– LED LAMP

– FLASHING LIGHT

– ALARM HORN

INOSENT

EASY

IP65

STANDALONE GAS DETECTOR
« EASY »

The Easy product line is as simple as it is ingenious: this stand-alone detector also has the functionality of a controle device. This is a simple, high-quality, compact solution for small systems. The Easy product line can be ordered for use with most refrigerants, such as (H)FKW, HFO and Carbon Dioxide (CO_2), and can be ordered pre-calibrated for detectiong other gases such as Propane (C_3H_8) oder Methane (CH_4), and programmed for the normal alarm limits.

The Easy product line offers two built-in relay contacts, an alarm horn and a flsahing light. The stand-alone gas detector can be used with 230 VAC or 24 VDC and features analogue as well as digital output signals.

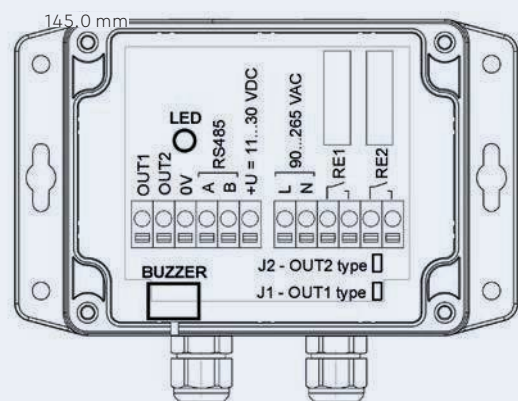The Easy product line can be easily installed by the customer.

OVERVIEW:

– 2 YEARS WARRANTY

– SIMPLE DIY INSTALLATION

– DETECTOR AND GAS MONITOR IN A SINGLE PRODUCT

– OPTIONALLY AVAILABLE WITH ALUMINIUM HOUSING

– REPLACEABLE MEASURING ELEMENT

TECHNICAL SPECIFICATIONS

SUPPLY VOLTAGE: 24 VDC/AC or 265 VAC **|** Integrated 85dB alarm horn **|** LED status display for operational status and malfunctions **|** LED alarm display for pre-Alarm and main alarm **|** Protection level IP 65

DIMENSIONS AND ELECTRONICS

128.0 mm

57.0 mm

145.0 mm

145.0 mm

INOSENT
EASY

OVERVIEW OF AVAILABLE GAS DETECTORS PRODUCT LINE «EASY»

I2608-NH3-E	NH_3	Ammonia	0-100/300/1000 PPM
I2608-NH3-S	NH_3	Ammonia	0-1000 PPM
I2608-C2H2-S	C_2H_2	Acteylen	0-100 % UEG
I2608-C4H10-S	C_4H_{10}	Butane	0-100 % UEG
I2608-CO2-I	CO_2	Carbon dioxide	0-5000/10'000/50'000 PPM
I2608-CO-E	CO	Carbon monoxide	0-300 PPM
I2608-Cl2-E	Cl_2	Chlorine	0-20 PPM
I2608-C2H4-E	C_2H_4	Ethylen	0-10/200/1500 PPM
I2608-C2H4-S	C_2H_4	Ethylene	0-100 % UEG
I2608-ETO-E	ETO	Ethylene oxyde	0-20/100 PPM
I2608-HFC-S	HFC	Freon	0-1000 PPM
I2608-H2-S	H_2	Hydrogen	0-100 % UEG
I2608-H2S-E	H_2S	Hydrogen sulfide	0-50/100/1000 PPM
I2608-CH4-S	CH_4	Methane	0-100 % UEG
I2608-CH4-P	CH_4	Methane	0-100 % UEG
I2608-NO-E	NO	Nitric oxide	0-30 PPM
I2608-NO2-E	NO_2	Nitrogen dioxide	0-20 PPM
I2608-O2-E	O_2	Oxygen	0-25 VOL. %
I2608-O3-E	O_3	Ozone	0-5 PPM
I2608-C3H8-S	C_3H_8	Propane	0-100 % UEG
I2608-C3H8-P	C_3H_8	Propane	0-100 % UEG
I2608-SO2-E	SO_2	Sulfur dioxide	0-50/100 PPM
I2608-VOC-S	VOC	VOC	0-100 % UEG

LED-WARNING SIGN WITH HORN
TYPE I30 (BUS-COMPATIBLE)

The 30 cm long LED-Sign with bright red LED's may be used for most types of Gas Alarm. The LED-Sign can be used with a flashing or a continuous light and includes the option to pre-select text or pictograms in different colours, depending on the client's request. The supply voltage of the LED-Sign is 24VDC and it incorporates a 92dB Alarm horn, which can be controlled separately from the LED's.
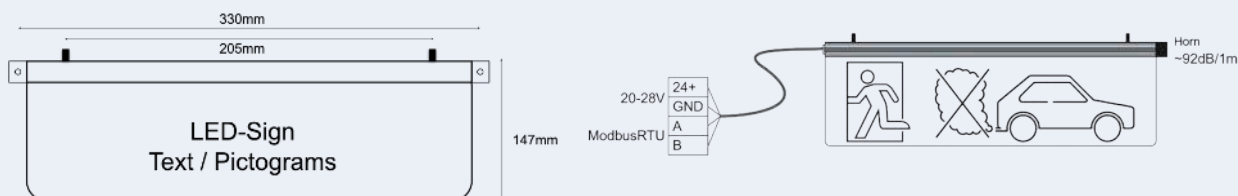
The LED-Sign in combination with the INOSENT BUS-compatible 'Ultimate' or 'Compact' controller allows for independent programming of the LED's and sounder in different alarm modes. This design function facilitates a simple installation on the same BUS-Cable as the gas detectors, eliminating the need for additional cable. The LED-Sign is also available with 60 cm length one sided (standard) or double-sided.

LED-SIGN (ELECTRONICS)

SUPPLY VOLTAGE: 24 VDC | **POWER :** max. 2 W | **SUPPLY ANALOGUE (24V)/DIGITAL:** 2x 0,75 mm, 2×2×0,75 mm2, shielded | **PROTECTION CLASS:** IP 52 | **VOLUME:** ca. 92 dB |
LIFETEIME LEDS: 50'000 h | **WEIGHT:** 400 gr | **CERTIFICATIONS:** CE

DIMENSIONS AND CONNECTION

INOSENT
GASWARNTECHNIK

CONTACT

INOSENT IS THERE FOR YOU

Regardless of the reason for your interest in the area of gas detection technology: Contact us and we will do our best to find the optimum solution for you.

We will be happy to go into detail with you and address your specific ideas and concerns – because you can always depend on INOSENT.

INOSENT Gaswarntechnik AG

Eichwatt 5
CH-8105 Regensdorf / Switzerland

Telephone: +41 (0)44 556 83 00
Fax: +41 (0)44 556 83 01
E-Mail: info@inosent.ch