Breathe easy.

You're EVRSafe.

4000 Series

Chemical Detection System.

The EVRSafe 4000 Series is a range of fixed single-purpose chemical detection sensors developed for the residential & commercial property markets.

Each EVRSafe 4000 Series model detects airborne presence of a particular toxic chemical. The sensors help to avert life threatening emergencies through on-line monitoring of readings, automated activation of other linked safety systems and by audible alerts before problematic levels are reached.

EVRSafe 4000 Series sensors provide an extensive atmospheric analysis which meet U.S. Green Building Council (USGBC) standards.

AIR QUALITY CONTROL

PRODUCED BY:

EVRSafe™ SOLUTIONS

CDS-4001

Carbon Monoxide

In closed environments, concentration of Carbon monoxide can easily rise to lethal levels.

On average, approximately 170 people die in the U.S. every year from Carbon monoxide produced by non-automotive consumer products. These products include malfunctioning fuel-burning appliances such as furnaces, water heaters and room heaters; engine-powered equipment such as portable generators; fireplaces; and charcoal that is burned in homes and other enclosed areas.

The CDS-4001 is an atmospheric electrochemical sensor device which offers several advantages over traditional electrochemical sensors.

It is environmentally friendly, posing no risk of electrolyte leakage and can detect concentrations of Carbon monoxide as high as 1%.

Key Features:

- Suited to residential & commercial installations
- Low power consumption (12V powered with battery backup)
- High accuracy & sensitivity
- Comprehensive data logging & reporting functionality
- Time & date stamped data logs
- Constructed from long life UL recognized components
- Slimline design

Also:

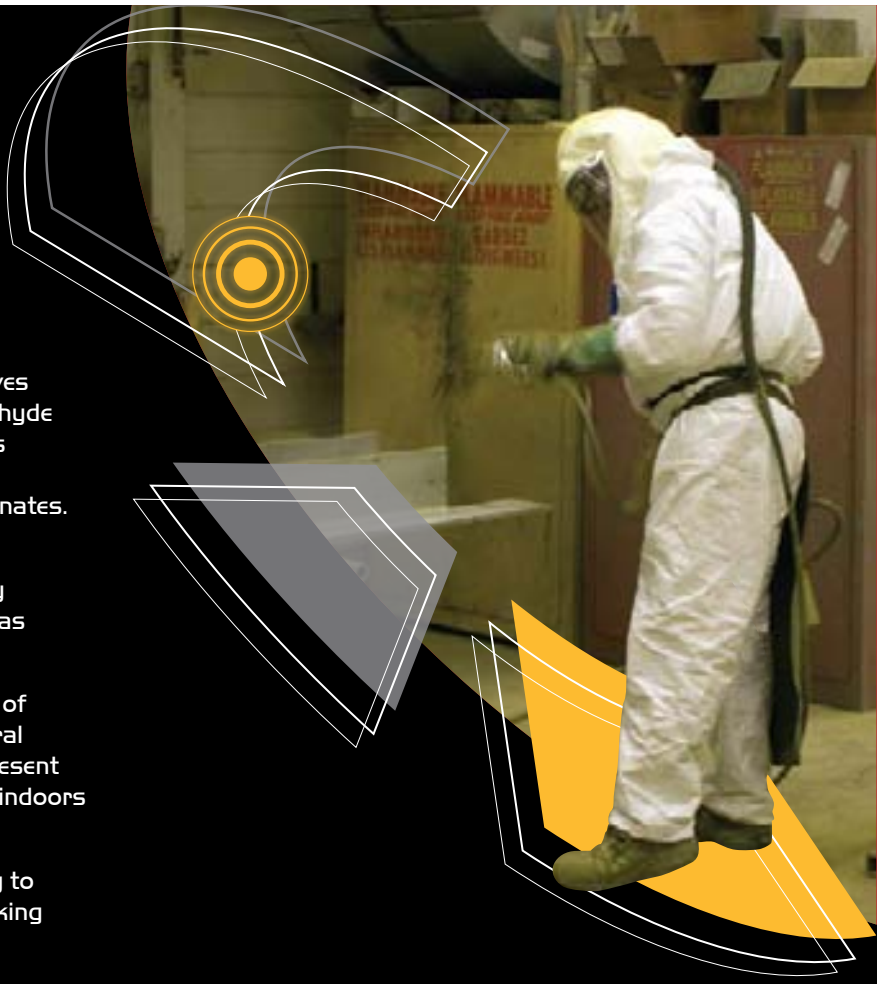
- Interfaces with fire detection hardware
- View live on-line data reports for monitoring of atmospheric gas levels
- Interfaces with existing systems to initiate preventative safety measures (eg. activate fans, open vents etc.)
- Plug a USB drive directly into the sensor to automatically download collected data
- Meets UL2034, EN50291 & RoHS requirements

Suggested Applications:

- Hotels / Offices
- Recreational / Passenger vehicles
- Marine vehicles
- Enclosed car parks / Garages

CDS-4002

Formaldehyde



Formaldehyde is a carcinogenic by-product of solvents and adhesives (ie. the fumes or vapors). Formaldehyde can be emitted from many materials including building materials, glues, adhesives, paints, acrylics and laminates.

The CDS-4002 has a metal oxide semiconductor layer which is highly sensitive to solvent vapors as well as other volatile vapors.

Formaldehyde is also a by-product of combustion and certain other natural processes. This means it may be present in substantial concentrations both indoors and outdoors.

The CDS-4002 also has sensitivity to a variety of combustible gases, making it a good general purpose sensor.

Key Features:

- Low power consumption (12V powered with battery backup)
- High accuracy & sensitivity
- Comprehensive data logging & reporting functionality
- Time & date stamped data logs
- Constructed from long life UL recognized components
- Slimline design

Also:

- View live on-line data reports for monitoring of atmospheric gas levels
- Interfaces with existing systems to initiate preventative safety measures (eg. activate fans, open vents etc.)
- Plug a USB drive directly into the sensor to automatically download collected data
- Meets UL2034, EN50291 & RoHS requirements

Suggested Applications:

- Solvent vapor detection in factories, workshops & building sites

CDS-4003

LPG / Propane / Butane

LPG, Propane and Butane gases are commonly leaked by motors which are fuelled by such gases. This can have dangerous consequences in an environment such as a gas powered vehicle like an RV, or when produced from a gas powered motor or generator in an enclosed area. Black outs can occur due to a lack of oxygen and eventually can lead to asphyxiation.

Even more dangerous than the risk of suffocation is the risk of explosion and fire. As a combustible gas, LPG can easily ignite if a leak forms which can have disastrous consequences in an enclosed environment.

The CDS-4003 has a metal oxide semiconductor layer which is highly sensitive to LPG, Propane and Butane vapors as well as other volatile vapors.

Key Features:

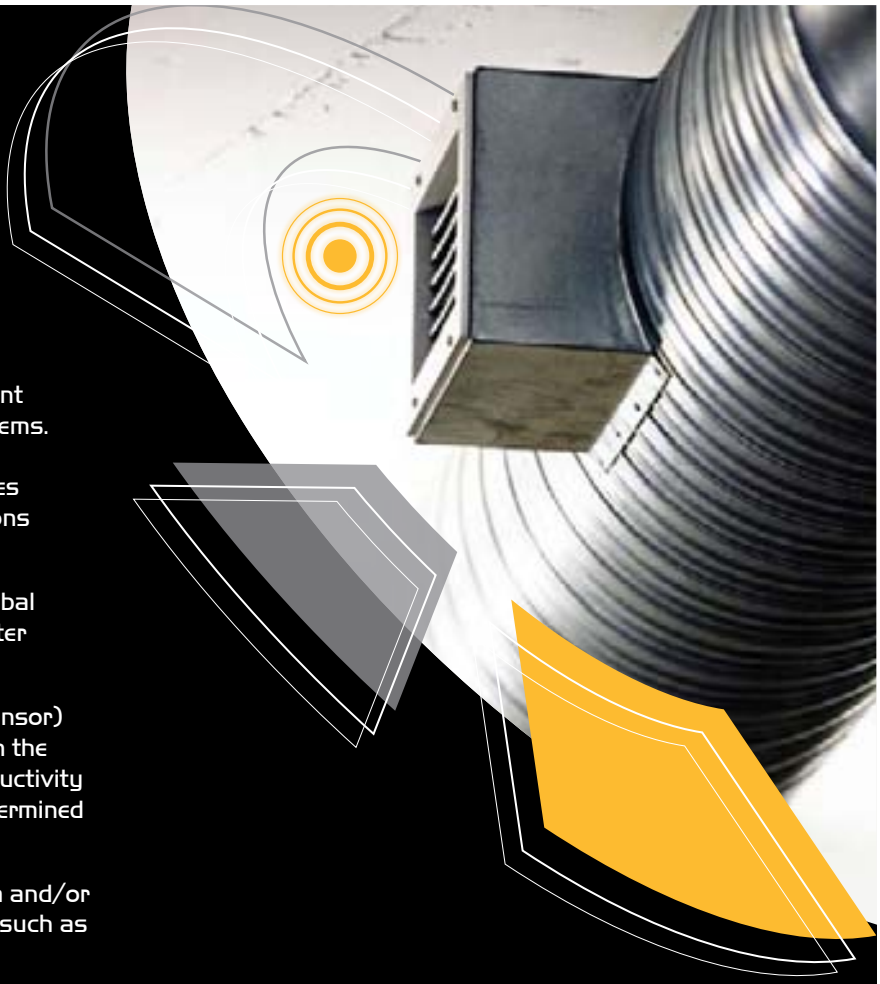
- Suited to residential, commercial & mobile installations
- Low power consumption (12V powered with battery backup)
- High accuracy & sensitivity
- Comprehensive data logging & reporting functionality
- Time & date stamped data logs
- Constructed from long life UL recognized components
- Slimline design

Also:

- View live on-line data reports for monitoring of atmospheric gas levels
- Interfaces with existing systems to initiate preventative safety measures (eg. activate fans, open vents etc.)
- Plug a USB drive directly into the sensor to automatically download collected data
- Meets UL2034, EN50291 & RoHS requirements

Suggested Applications:

- Recreational / Passenger vehicles
- Marine vehicles
- Commercial kitchens
- Warehouse storage facilities



CDS-4004

Chlorodifluoromethane (R-22: Refrigerant Gas)

R-22 was once a common refrigerant in air conditioning and cooling systems. R-22 has since been shown to be a potent greenhouse gas which causes ozone depletion, so these applications are being phased out.

R-22 has been shown to have a global warming potential 1700 times greater than Carbon dioxide.

The CDS-4003's semiconductor (sensor) has a low conductivity in clean air. In the presence of R-22, the sensor's conductivity increases, triggering a response determined by the concentration detected.

Responses include an audible alarm and/or activation of other safety systems such as activating fans and opening vents.

Key Features:

- Also sensitive to R-11, R-12 & R-113
- Low power consumption (12V powered with battery backup)
- High accuracy & sensitivity
- Comprehensive data logging & reporting functionality
- Time & date stamped data logs
- Constructed from long life UL recognized components
- Slimline design

Also:

- View live on-line data reports for monitoring of atmospheric gas levels
- Interfaces with existing systems to initiate preventative safety measures (eg. activate fans, open vents etc.)
- Plug a USB drive directly into the sensor to automatically download collected data
- Meets UL2034, EN50291 & RoHS requirements

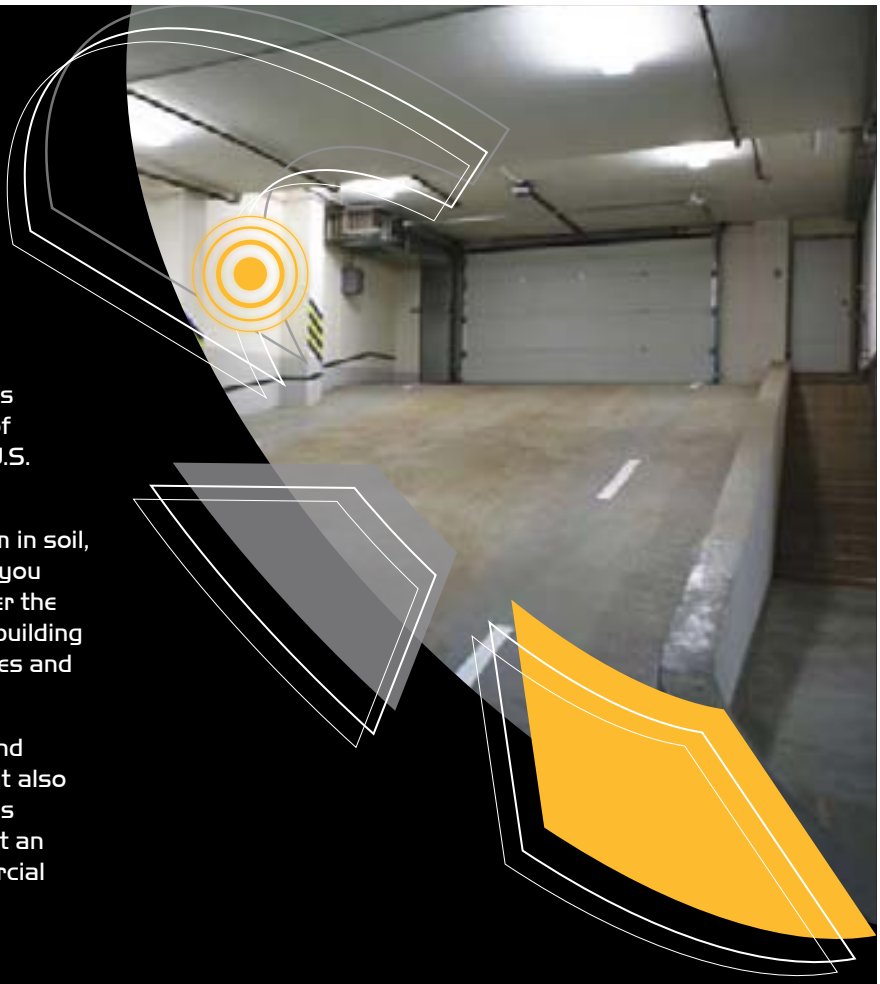
Suggested Applications:

- Cool rooms
- Plant rooms
- Air conditioning
- Cold stores

UNDER DEVELOPMENT:

CDS-4005

Radon (Organic Vapors)



Radon is an invisible radioactive gas and is currently the leading cause of lung cancer in non smokers in the U.S.

Radon comes from the natural (radioactive) breakdown of uranium in soil, rock and water, getting into the air you breathe. Radon can be found all over the U.S. and can permeate any type of building through tiny structural gaps, cavities and cracks.

The CDS-4005 is an inexpensive and highly sensitive Radon detector that also has sensitivity to combustible gases such as Carbon monoxide, making it an invaluable safety device for commercial and residential environments.

Key Features:

- Suited to residential & commercial installations
- Low power consumption (12V powered with battery backup)
- High accuracy & sensitivity
- Comprehensive data logging & reporting functionality
- Time & date stamped data logs
- Constructed from long life UL recognized components
- Slimline design

Also:

- View live on-line data reports for monitoring of atmospheric gas levels
- Interfaces with existing systems to initiate preventative safety measures (eg. activate fans, open vents etc.)
- Plug a USB drive directly into the sensor to automatically download collected data

Suggested Applications:

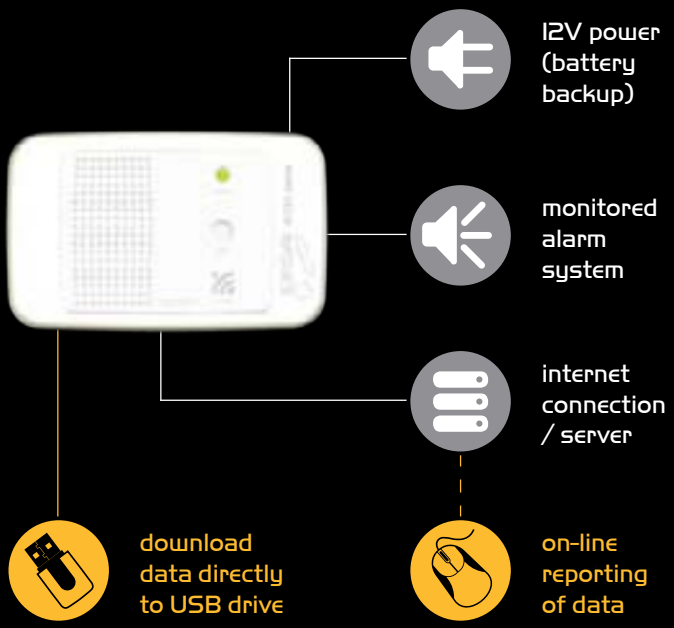
- Cellars / Basements
- Homes, offices & schools
- Factories
- Semiconductor industries
- Dry cleaners
- Underground spaces / Car parks

System configuration:

EVRSafe 4000 Series sensors are very simple to connect and provide a comprehensive safety solution suitable for a range of environments.

Comprehensive readings and reports can be accessed on-line for monitoring levels or averting emergencies.

Data readings and reports are highly accurate and selective and are sent directly to your on-line portal when the 4000 Series sensors are connected to a network.



Installation requirements:

- Dedicated 12V power source
  *Supplied
- Shielded Cat 5 ethernet cable
  *Not supplied
- External alarm system
  *Optional - Not supplied
- Ethernet modem with available RJ45 network port
  *For on-line reporting functionality

View Process Trends, Event Timelines & Journals, Select Events & view Annotations all from your on-line portal.

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