

A fixed gas sensor that meets the requirements for economic and reliable monitoring of gas levels in a wide range of environments and applications. Initially designed for the monitoring of gases within cabins, enclosures and cabinets the addition of an optional mains supply input expanded its use into conventional areas of gas detection covering boiler plant rooms, gas meter houses, battery charger rooms and many other commercial and light industrial applications.



## Key Features

- Flammable, Oxygen, toxic and refrigerant gases
- Compact size
- Single stage alarm / relay
- Alarm sounder / LED
- Digital display
- 4~20mA analogue output
- IP64 weatherproof
- Remote catalytic flammable sensor option

## Application Examples

- Boiler Plant Rooms
- Gas meter houses
- Battery charger rooms

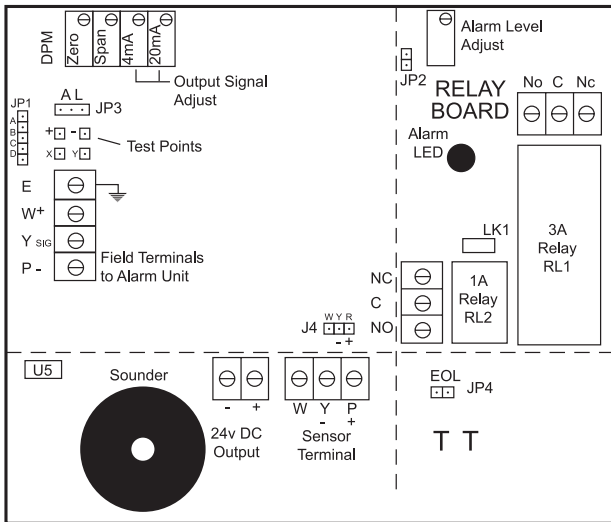
## SPECIFICATIONS

<b>Size</b>	L 145mm H 147mm D 65mm 24vDC version L 145mm H 147mm D 100mm AC version
<b>Sensor technology</b>	Catalytic, Electrochemical, Infra red, Semiconductor, Thermal conductivity
<b>Temperature</b>	-15°C to 55°C
<b>Humidity</b>	5 to 95% RH Non condensing
<b>Alarm Signal</b>	Auto reset Acoustic: 75dBs @ 1m
<b>Power Supply</b>	12 to 30v DC – 24v nominal – 160mA 230/115v AC optional
<b>Output</b>	4~20mA analogue – option 1~5 volts 250 ohms max load
<b>Connections</b>	3 wire – sink/source
<b>Relay Contacts</b>	S.P.C.O. per relay – auto reset RL1 – 3A/230v AC control relay - single alarm RL2 – 1A/24v DC signal relay - single alarm
<b>Housing</b>	ABS flame retardant FR40 Finish signal white RAL 9003
<b>IP-Rating</b>	IP64
<b>Lid Screws</b>	M4 SS
<b>Safety certifications</b>	Field Terminals
<b>Entries</b>	Rear 5-20 mm knock-outs Bottom 2-20mm knock-outs Top, Sides – not specified

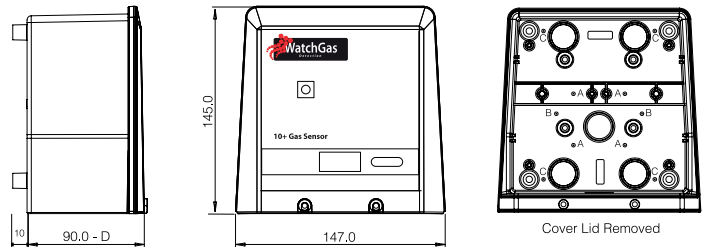
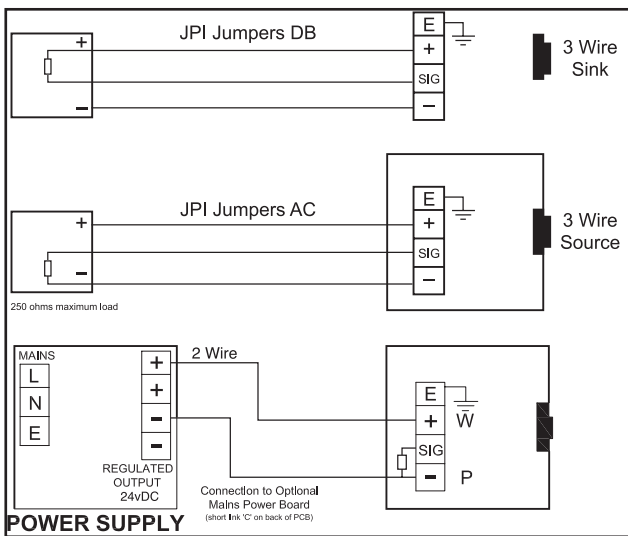
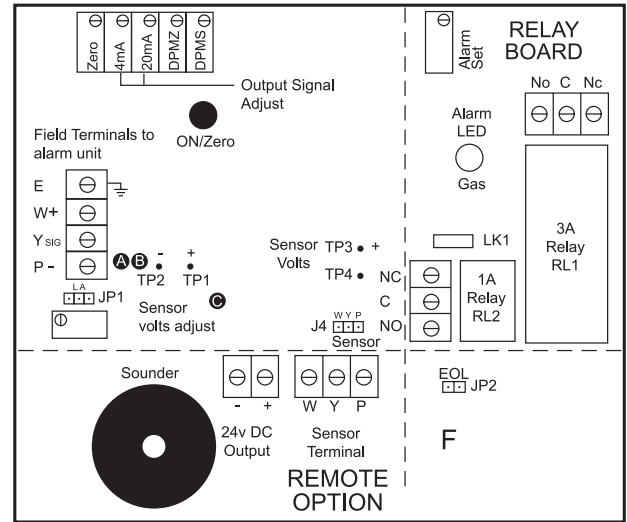
## AVAILABLE GASES

Gases	Measuring Range
<b>Flammable Gases</b>	0~100% Catalytic Hydrocarbons, NH <sub>3</sub> , H <sub>2</sub>
	0~100% LEL Catalytic Hydrocarbons
	0~100% LEL Catalytic Hydrocarbons
	0~100% LEL Catalytic Hydrocarbons
	0~100% LEL Catalytic Kerosene
<b>O<sub>2</sub></b> Oxygen	0~25% Vol Electrochemical
<b>CO</b> Carbon Monoxide	0~200ppm Electrochemical
<b>H<sub>2</sub>S</b> Hydrogen Sulfide	0~50ppm Electrochemical
<b>SO<sub>2</sub></b> Sulfur Dioxide	0~5ppm Electrochemical
<b>NO<sub>2</sub></b> Nitrogen Dioxide	0~5ppm Electrochemical
<b>PH<sub>3</sub></b> Phosphine	0~10ppm Electrochemical
<b>H<sub>2</sub></b> Hydrogen	0~2000ppm Electrochemical
<b>Cl<sub>2</sub></b> Chlorine	0~10ppm Electrochemical
<b>HCN</b> Hydrogen Cyanide	0~10ppm Electrochemical
<b>NO</b> Nitric Oxide	0~10ppm Electrochemical
<b>HCl</b> Hydrogen Chloride	0~10ppm Electrochemical
<b>O<sub>3</sub></b> Ozone	0~1ppm Electrochemical
<b>NH<sub>3</sub></b> Ammonia	0~100ppm Electrochemical
	0~1000ppm Electrochemical
	0~5000ppm Electrochemical
<b>ETO</b> Ethylene oxide	0~25ppm Electrochemical
<b>ClO<sub>2</sub></b> Chlorine Dioxide	0~1ppm Electrochemical
<b>HF</b> Hydrogen Fluoride	0~10ppm Electrochemical
<b>H<sub>2</sub>O<sub>2</sub></b> Hydrogen Peroxide	0~100ppm Electrochemical
<b>Refrigerant</b>	0~1000ppm Semiconductor
<b>PID 10.6 eV Range</b>	0~1000ppm
<b>IR FLAM</b>	Hydrocarbon 0~100% LEL / 0~100 %vol.
<b>IR CO<sub>2</sub></b>	CO <sub>2</sub> 0~5000 ppm / 0~2 %vol.(Standard) / 0~10 %vol. (Max Range)
	CO <sub>2</sub> 0~100 %vol.
<b>Formaldehyde</b>	0 - 10 ppm

## TOXIC/OXYGEN PCB



## FLAMMABLE/REFRIGERANT PCB



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