

# GMA36 Pro+

## SINGLE POINT GAS SENSOR

- Flammable, Oxygen, Toxic and Refrigerant Gases
- Compact size
- Single stage alarm
- Alarm relays
- Alarm Sounder / LED
- Digital display
- 4~20mA analogue output
- IP64 weatherproof



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.

### Power Supply

12 to 30 vDC – 24v nominal – 160mA  
230/115v AC optional

### Sensor Type

Catalytic, Electrochemical, Infra Red, Semiconductor,  
Thermal conductivity

### Measuring Range

Combustible gas – LEL, % vol, ppm  
Toxic gas – ppm, % vol  
Oxygen – % vol

### Output

4~20mA analogue – option 1~5 volts  
250 ohms max load

### Connections

3 wire – sink/source

### Relay Contacts

S.P.C.O. per relay – auto reset  
RL1 – 3A/230v AC control relay  
RL2 – 1A/24v DC signal relay

### Alarm LED/Sounder

Auto reset

### Ingress protection

IP64 weatherproof

### Temperature

-15°C to 55°C

### Humidity

0°C to 99% RH non condensing

### Material

ABS flame retardant FR40  
Finish signal white RAL 9003

### Lid Screws

M4 SS

### Field Terminals

Screw type 2.5mm

### Entries

Rear 5-20mm knock-outs  
Bottom 2-20mm knock-outs  
Top, Sides - not specified

### Dimensions

L 145mm H 147mm D 65mm 24vDC version  
L 145mm H 147mm D 100mm AC version

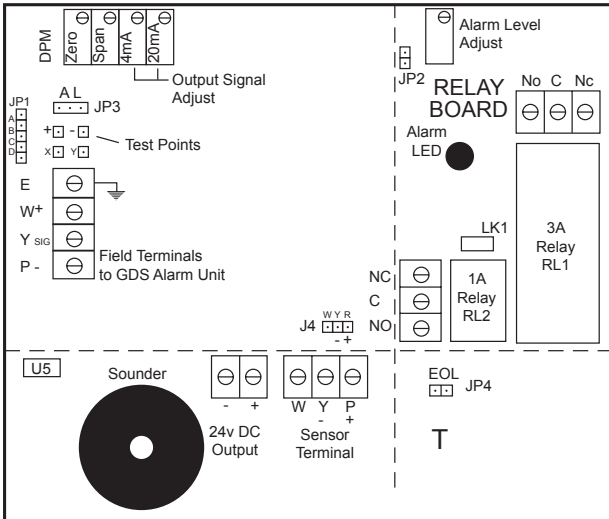
### Data Sheets

Flammable C1117, Oxygen/Toxic C1116

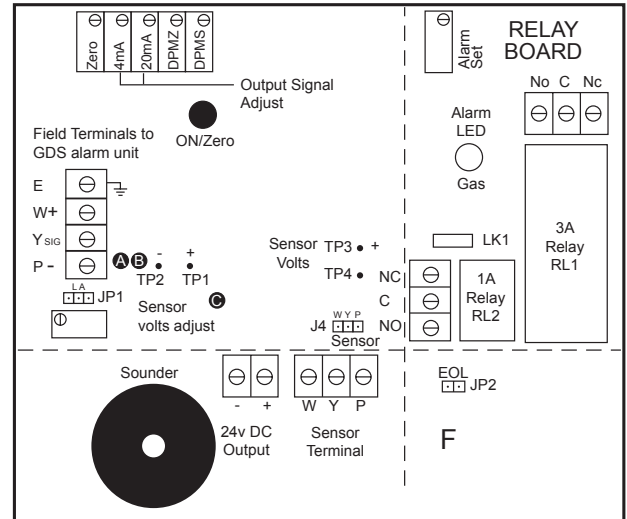
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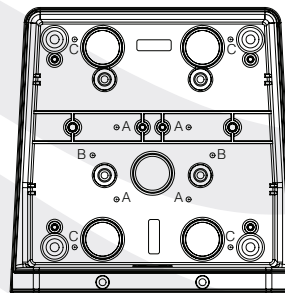
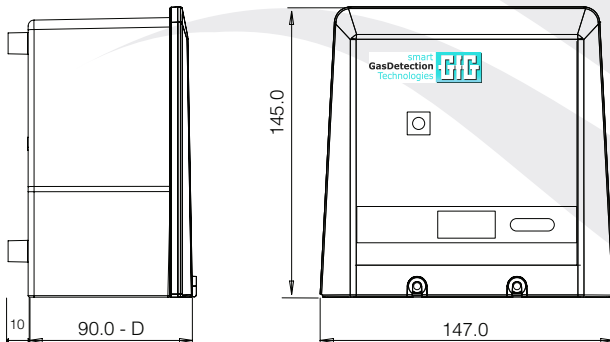
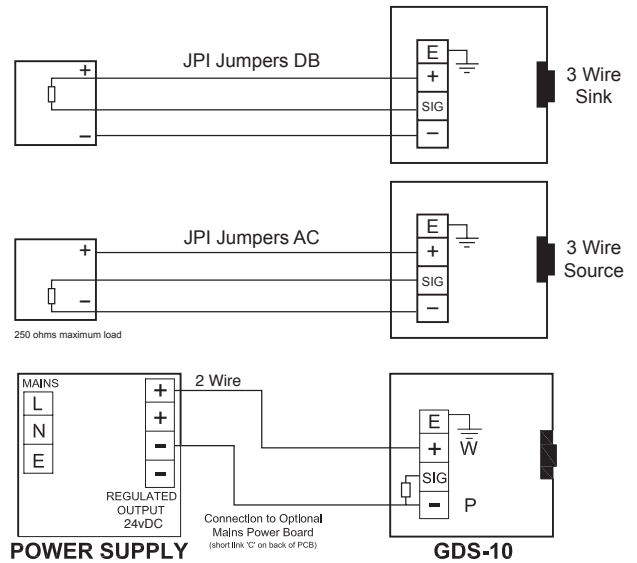
## Toxic/Oxygen PCB



## Flammable/Refrigerant PCB



Oxygen	0~25%
Carbon Monoxide	0~250ppm
Hydrogen Sulphide	0~50ppm
Sulphur Dioxide	0~10ppm
Nitrogen Dioxide	0~10ppm
Hydrogen	0~2000ppm
Chlorine	0~10ppm
Hydrogen Cyanide	0~25ppm
Nitrogen Monoxide	0~100ppm
Hydrogen Chloride	0~10ppm
Ammonia	0~100ppm
Ozone	0~2ppm
Ethylene Oxide	0~25ppm
Flammable	0~100LEL
Refrigerant	0~1000ppm
CO2	0~2% Vol. & 0~100% Vol.



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This document is not contractual and the equipment specification may be modified at any time without prior notice.



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