GDS 2010
MULTI CHANNEL GAS MONITOR

Specification Sheet
ref C572 J.v2

- High integrity system
- Flammable, Oxygen or Toxic gases
- Wide range of enclosures, wall-panel mount, desktop or floor standing
- 3 adjustable alarm trip points
- 3 alarm relays per module
- Unlimited number of sensor points
- Standby battery charger module
- 4 - 20mA output per module

The GDS 2010 has been designed with features that will provide an effective response to the detection and control of gas hazards in a wide range of industrial environments from boiler plant rooms to offshore petrochemical installations.

The system is offered in a wide range of enclosures, from single module din rail mounting to multi-channel interconnected 19" rack based tower systems of unlimited size. Each alarm module operates independently having alarm status indicators, sounder and three alarm levels with individual relays for the control of remote safety systems. 4-20mA or 0-10V outputs are available for use in proportional control systems such as speed control of extractor fans.

Common alarm relays and indicators are available via an optional facilities module which can be plugged into any available module socket on the system. The facilities module can also be used remotely as a control and status indicator panel, having built-in sounder with sounder accept and alarm reset functions.

The advanced features designed into the GDS2010 system ensure ease of maintenance and provide the highest integrity rating, with the minimum loss of sensor cover should a fault condition occur.

DETECTOR MODULE
1 to 14 per 19" tray

Measuring Range
Combustible – % L.E.L
Toxic – ppm
Oxygen – % Vol

Indicators
Digital Display
Power indicator – Green L.E.D
Alarm Relays Inhibit – Amber L.E.D
Alarms Lo-Hi-Red L.E.D (Alarms 1 & 2
Overrange-Red L.E.D (Alarm 3)
Fault – Amber L.E.D

Relays
Alarms Lo, Hi SPCO N/D or N/E latched/unlatched
Fault SPCO N/D or N/E latched/unlatched
All relays rated 5A/230vAC
Alarm relays, inhibit switch

Audible Alarm
Alarms 1,2,3, Fault
Disable option

Analogue Output
4-20mA –250 Ω
0-10v – 1K Ω

Sensor Inputs
4-20mA – 2/3 wire
Bridge type 3 wire-mv

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FACILITIES MODULE
1 per System

Indicators
Power-Green LED
Alarms Lo, Hi, Overrange-Red LED
Fault-Amber LED

Relays Common
Alarms Lo, Hi, Overrange, Fault, SPCO
N/D or N/E latched/unlatched
Mains fail N/E unlatched
All relays rated 5A/230vAC

STANDBY BATTERY MODULE
1 per System - 24vDC

Indicators
Power-Green LED
High Battery Volts - Red LED
Low Battery Volts - Red LED
Charge Fail - Amber LED

Charging Method
Constant Voltage

Load Capacity @24v
2A standard 7A option

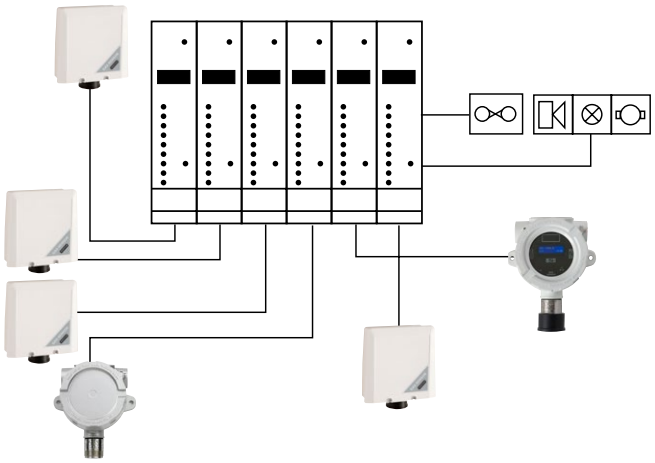
MISCELLANEOUS

Sensor Cable
Screened 1.5mm2
Bridge - 1km
4-20mA - 2.5km

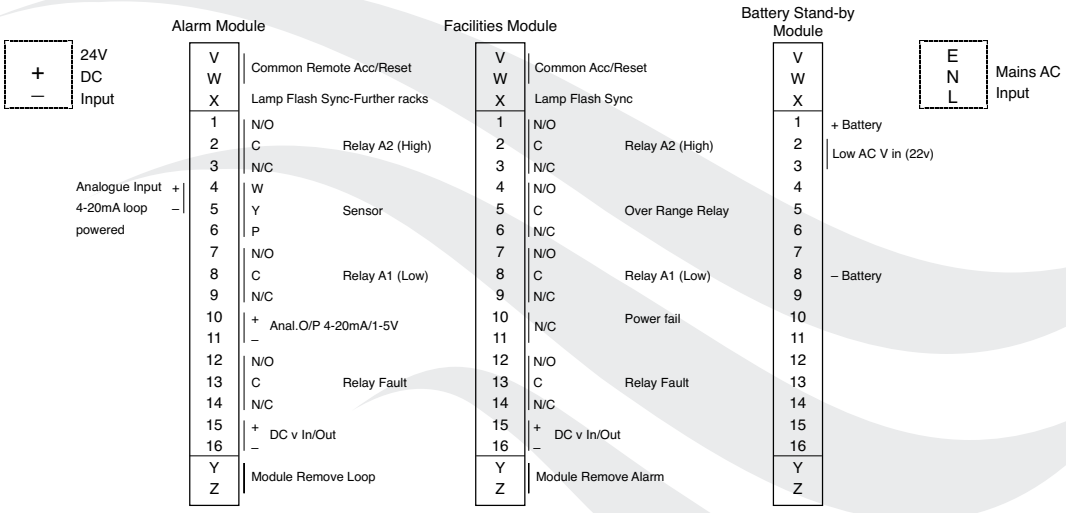
Field Terminals
Screw type up to 2.5mm

Module Dimensions
3U High (128mm)
6E Wide (30mm) Depth (160mm)

Environmental
Operating Temp -10 to 50°C
Humidity 0 - 90 RH



Alarm/facilities/stand-by battery charger - Field Terminals



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

CE C934

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