

Single Channel Gas Alarm System

Direct Analogue Sensor – Gas Monitoring System

Specification Sheet
Ref: S4S1743GEN

System Features:

- Data logging
- Three alarm stages + relays
- 4~20mA analogue output
- Sensor input 4~20mA or mV Catalytic Bridge
- Weatherproof
- Back lit alpha numeric full status display
- Front panel access to set up and maintenance of parameters



A fixed single point alarm unit that meets the requirements for economic and reliable monitoring of gas levels in a wide range of environments from commercial premises through to heavy industrial applications that may require hazardous area sensing. S4S Guardian® - 1 may be utilised as a standalone unit or as an addressable sensor forming part of the S4S Guardian® Plus CANbus addressable network system and therefore offering the features of our most advanced system. Typical monitor locations are - public buildings, boiler plant rooms, swimming pools, water treatment works, H&V control systems, manufacturing and process plants.

Measuring Range:

Dependant on Gas Sensor

Sensor Type:

4-20mA, Catalytic Bridge mV Electrochemical, Pellistor, Infra-red, PID

Indicators:

Two line alpha numeric back lit display

Power - Green LED

Alarms 1, 2, 3 - Red LEDs

Fault - Amber LED

Alarms inhibit - Amber LED

Audible Alarm:

1, 2, 3 and Fault Alarms - mutable 85dB @ 10cm

Alarm Settings:

Alarm 1: Sensor Dependant

Alarm 2: Sensor Dependant

Alarm 3: Sensor Dependant

All alarms are digitally set and are fully adjustable between zero and full scale

Delay to alarm (Option)

Sensor Cable:

3 core 0.75mm² screened 500m

Power Supply:

230/115v AC 50/60 Hz

24v nominal 15 to 30vDC

The two voltages may be utilised simultaneously - standby supply

Power Consumption:

4 watts - full alarm

Outputs:

1, 2, 3 and fault alarm relays -SPCO normally de-energised - energised option, latched or unlatched. All contacts rated 3A - 230v AC

4-20mA & CANbus

Logging:

Intervals - variable time

Roll over/stop

Storage - 2,880 readings RS232 lead

Requires:

PC or laptop (dedicated) Hyperterminal - downloaded from S4S website

Miscellaneous:

Operating temperature -15 to +50C

Storage temperature -5 to 55C

Alarm relay inhibit during calibration Sounder Inhibit System function test

Dimensions:

L 145mm H 145mm D 65mm 24vDC version (S) D 100mm AC version (D)

Weight:

0.8 kg

Protection:

IP64

Field Terminals:

Screw type 2.5mm

Cable entry:

Top, bottom, sides, rear



S4S Guardian®
- Point SA
Gas Sensor



Sonos
Sounder Beacon



NOTE: This datasheet is non-contractual

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