S4S GUARDIAN®*1*

Single Channel Gas Alarm System

Direct Analogue Sensor – Gas Monitoring System

sensorsforsafety.co.uk

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 +50℃
Storage temperature -5 to 55℃
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

MADE IN THE UK

NOTE: This datasheet is non-contractual