

S4S GUARDIAN® - Lite

Multi Channel Gas Alarm System

Addressable Gas Monitoring System

Specification Sheet
Ref: S4S1742

System Features:

- Operates with S4S Guardian® - *Point SA, XDI, XDI+* gas sensors
- Continuous sensor status monitoring
- Plug & Play - option (coming soon)
- 1~16 Sensor grouping
- Pre-calibrated sensors
- Traffic light display
- Simple network connection and setup
- Menu options



A fixed multi channel gas alarm unit that meets the requirements for economic and reliable monitoring of gas levels in Boiler Rooms, Plant Rooms, Laboratories, Schools, Universities, Hospitals, Car Parks and many other areas that may require hazardous area gas sensing.

Communications

4 wire addressable CANbus – Guardian *Plus* system

Indicators

Normal (no alarms)

Green display screen

Display:

Concentration | Gas type | Sensor identification

A1 (low alarm)

Red screen flashing 1 second + sounder

Display:

Reading | Gas type | Sensor identification | Alarm status

A2 (high alarm)

Red screen flashing 0.5 second + sounder

Display:

Reading | Gas type | Sensor identification | Alarm status

A3 (overrange alarm)

Red screen flashing 0.25 second + sounder

Display:

Reading | Gas type | Sensor identification | Alarm status

Fault

Amber screen flashing + sounder

Display:

Fault status | Sensor identification

Power Supply

Internal - 24VDC -115/230VAC 50Hz (1-4 sensors)

Auxiliary power supply (5-16 sensors) - option (200-005)

Sensors

1-4 (Internal power supply) 5-16 (External power supply)

Sensor types

S4S Guardian® - *Point SA, XDI, XDI+*

Alarm Settings

Alarm 1: Dependent on gas type

Alarm 2: Dependent on gas type

Alarm 3: Dependent on gas type

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

Relays

Four – A1, A2, A3, Fault

SPCO 5A/30VDC

Latched or unlatched N/E - N/D

Relay off timer

Shutdown relay SPCO 6A 230VAC – option

Sounder Output

68dBs @ 1 metre

Mutable or permanent isolate option

Sounder automatic 10 minute time out option

Other

Manual test – indicators, sounder & relays

Weight 0.45kg

Enclosure

ABS flame retardant FR40

Lid Screws M4-SS

Protection – IP64 (weather proof)

Finish – Signal White RAL 9003

Height 145mm x Width 145mm x Depth 100mm

Entries

Base 2 x 20mm knock-outs

Rear 5 x 20mm and 2 slot knock-outs Sides/Top not specified

Environmental air seal gasket – option

Mounting

Stand offs – M4 or No.8 screws

Drill at (C) when stand offs removed Conduit box – drill at (A)

4.5mm Surface mount box – drill at (B) 4.5mm



S4S Guardian® -
Point SA
Gas Sensor



Sonos
Sounder Beacon



NOTE: This datasheet is non-contractual

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