

System Features:

- 3 core sensor cable network
- Sensors pre-set and tested
- Sensors for all gases
- 1-16 sensors – 4 zones up to 64 sensors (16 per zone) with additional power pack
- User definable screen text
- Three alarm levels (timed ON/OFF option)
- Individual Sensors with relay
- Connect directly to the S4S Guardian® CANbus system
- Designed for ease of installation
- System easily extended
- Off the shelf system
- Interface sensor for any 4~20mA/switch device - option



A fixed multi channel gas alarm unit that meets the requirements for economic and reliable monitoring of gas levels that may require hazardous gas sensing.

The S4S Gaswarden gas leak detection system features remote sensors connected to the main control unit via a 3 core cable network. The control unit is an advanced design using the latest technology and provides a high integrity system whilst offering a significant cost saving over conventional gas alarm systems.

Each gas sensor continuously monitors the atmosphere for any hazardous conditions. On detection of gas the sensor will indicate the gas level status A1, A2, A3 by LED indication and sounder. Information received by the control panel from the sensor is then displayed, indicating the zone, gas type and alarm status. Alarm levels that are exceeded are then able to activate user selectable relays and appropriate control actions.

Control Unit

Power Supply: 115/230 VAC and/or 24VDC +/- 15%

Frequency: 50/60 Hz

Consumption: 3 Watts

Detector Head: 1-16 standard -1 to 64 (4 zones, 16 per zone) -with additional power supply

Indicators: Alarm: Red LED / Sounder - Display text A1/A2/A3

Fault: Amber LED / Sounder - Display text Ft (Fault)

Display: As above + 4 line user text

Sounder: 85dB @ 30cm

Sensor Cable: 3 Core 1mm² 200m Max x 4

Alarm Relays: 4 selectable relays SPCO 3A @ 230VAC

N/E - N/D - Latched / Unlatched

Each zone A1/A2/A3 or A2/A3 only or

Global (all zones) Relay 1 = A1, Relay 2 = A2, Relay 3 = A3, Relay 4 = Fault

Relay Inhibit: Front panel access

Ambient Temperature: Operation -5 to +50C - Storage +5 to +55C

Weight: 920 gms

Protection: IP65

Dimensions: Length 200mm x Height 150mm x Depth 80mm

Sensor

Sensor type: Electrochemical, Catalytic, Infrared, Semiconductor

Alarm settings:

A1 = Sensor Dependant

A2 = Sensor Dependant

A3 = Sensor Dependant

Alarm Relay: 1 SPCO 3A : 230VAC A1/A2/A3 or A2/A3 only

N/E - N/D - Latched / Unlatched

Sounder: 85dB @ 10cm

Ambient Temperature: Operation -5 to +50C - Storage +5 to +55C

Weight: 225 gms

Protection: IP65

Dimensions: Length 145mm x Height 145mm x Depth 60mm

Options: Duct sensor probe: Length 27mm Diameter 28mm

NOTE: This datasheet is non-contractual

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