

S4S GUARDIAN® - POINT XDI+ Hazardous Area Sensor / Junction Box Assembly

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World Class Products

Offering local control and display

Specification Sheet
ref C759C v2

Sensor Features:

- Explosion proof
- Rugged and reliable
- 3 alarm points
- CANbus 4~20mA outputs
- Wide range of gas types / sensors
- Non intrusive adjustment magnets
- Back lit alpha numeric full status display
- Addressable or stand alone
- Hyper terminal communications / RS232 - live data and set up with 232 adapter
- One man calibration
- 2 alarm relays plus fault relay or 3 alarm relays
- Data logging



S4S Guardian® Point XDI+
F1 + sensor universal fitting

The S4S Guardian® - Point XDI+ F1 Gas Sensor is capable of utilising a wide range of sensor cell types offering an unmatched number of gases that may be monitored. Standard 4~20mA signaling with CANbus address enables the sensors to be networked via the S4S Guardian® Plus control system or customer preferred monitoring systems.

TECHNICAL DATA

Certification

- Explosion proof ATEX IECEx
- 112G Exd IIC T6-T3 Gb
- 112D Extb IIIC T85C Db

Power Supply

- 15 to 30vDC 24v nominal

Logging

- Addressable sensors only
- Intervals - one minute to one hour
- Storage - 2,880 readings

Outputs

- 3 wire 4~20mA / 4 wire CANbus
- Optional relays -
Low alarm S.P.C.O
High alarm S.P.C.O
Fault alarm S.P.C.O
- Inhibit option during servicing
- Rating 0.5A @30vDC

Sensor Type - F1

Infra Red, Electrochemical, Catalytic,
Semiconductor, PID

Gas Type / Range

Flammable gases - LEL / %Vol
Toxic gases - ppm/ppb
Oxygen % vol

Sensor Material

Stainless steel 316S16

Display

2 line alpha numeric back lit status display:
gas type, concentrating units, alarm levels,
alarm status, low/high/over range), sensor
ID, inhibit

Indicators

Alarm - Red LED
Fault - Amber LED (flashing when in inhibit)

Junction Box

Housing Material

Copper free aluminium alloy, optional
stainless steel

Finish

Chemical resistant epoxy paint Optional -
Marine grade finish

Ingress Protection

IP63 + water shield IP64

Cable Entry

2 x M20 - 1.5 pitch - alternatives
25mm - 3/4 NPT

Weight

1.6kg

Temperature

-15C to +55C - safe area use For
hazardous area use see temperature
ranges on C1227

(Ex certification summary)

Humidity

0 to 99% RH non-condensing

Accessories

Collector Cone & Universal Fitting
Universal fitting (Test Gas
Applicator/Spray Deflector)
Water Shield - stainless steel
Flow Block - nylatron
Flow Block - stainless steel
Duct Mount Kit
Detector Head Weather Shield
F1 Sensor Thermal Jacket

NOTE: This datasheet is non-contractual

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