

# S4S SENSOR ASPIRATOR UNIT

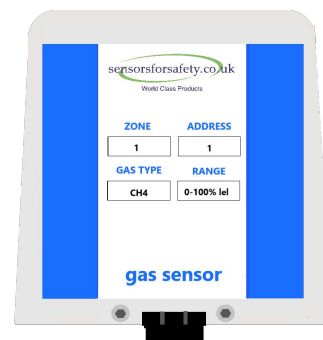
Type ASU-1



Pump Unit



Pump, Gas Sensor, Transmitter

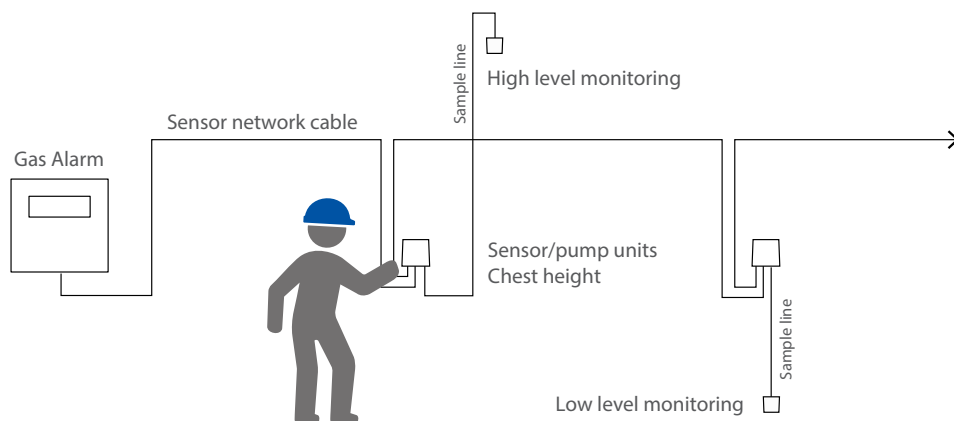


## PUMP/FLOW MONITOR

<b>Input Flow</b>	24v DC $\pm$ 20% 70mA
<b>Rate</b>	1.5 litres/min
<b>Continuous Running</b>	Pump Motor - 6 years expected Diaphragm - 3 years in air
<b>Flow Fail Monitor</b>	Green LED – normal operation Red LED – pipe blockage (FF) Red LED – pump fail (PF) Sounder – not less than 85dB @ 30cm
<b>Outputs</b>	Relay S.P.C.O 1Amp @ 230vAC – PF/FF/PF+FF Selectable 5/12vDC NE or DE Factory set – open drain
<b>Sample Line</b>	6mm OD 4mm ID Max Length - 25m, min - 1m Material - nylon, polypropylene, PTFE
<b>Couplings</b>	In/Out - push fit - barbed

## ENCLOSURE

Type - 30J Safe area use only	
<b>Protection</b>	IP65
<b>Dimensions</b>	H-145 W-147 D- S55 / D90
<b>Material</b>	ABS Flame Retardent FR40 Lid Screws M4SS
<b>Finish</b>	Signal White RAL 9003
<b>Weight</b>	400gms
<b>Entries</b>	Rear 5-20mm knock outs Bottom 2-20mm knock outs Top, sides - not specified
<b>Fixing</b>	Standoffs - M4 or No 8 screws Drill at (C) when standoffs removed Conduit Box - drill at (A) 4.5mm Surface Mount Box - drill at (B) 4.5mm
<b>EU Design No.</b>	01359723-0001



## Sensor/Transmitter

To accommodate on board sensor/transmitter and larger pumps a deep box (D) is required - see ASU-2 ref S4S1547

## Field Terminals

Relay	24vDC	IN	OUT
NC	C	NO	+ - FF PF

## Signal Out Jumper Selection



## Mounting/Position

The pump sensor unit should be mounted at chest height with the sample line travelling to the chosen target area at either maximum height for lighter than air gases or minimum low level (100mm) for heavier than air gases. A filter (Part no. 008-212) should be attached to the pipe end where high levels of particulates may be present.



NOTE: This datasheet is non-contractual

www.sensorsforsafety.co.uk

E: sales@sensorsforsafety.co.uk T: 01423 206360 F: 01423 206370

Sensors for Safety Ltd | Knaresborough Tech Park | Manse Lane | Knaresborough | N.Yorks | HG5 8LF | UK