

## Technical Specifications

### Pump/Flow Monitor

#### Input

24v DC  $\pm$ 20% 70mA

#### Flow Rate

1.5 litres/min

#### Continuous Running

Pump Motor - 6 years expected  
Diaphragm - 3 years in air

#### Flow Fail Monitor

Green LED – normal operation  
Red LED – pipe blockage (FF)  
Red LED – pump fail (PF)

#### Outputs

Relay S.P.C.O 1Amp @ 230vAC – PF/FF/PF+FF  
Selectable 5/12vDC NE or DE  
Factory set – open drain

#### Sample Line

6mm OD 4mm ID Max Length - 25m, min - 1m  
Material - nylon, polypropylene, PTFE

#### Couplings

In/Out - push fit - barbed

### Enclosure

#### Protection

IP65

#### Dimensions

H-145 W-147 D- S55 / D90

#### Material

ABS Flame Retardent FR40  
Lid Screws M4SS

#### Finish

Signal White RAL 9003

#### Weight

400gms

#### Entries

Rear 5-20mm knock outs  
Bottom 1 x 20mm knock out  
Top, sides - not specified

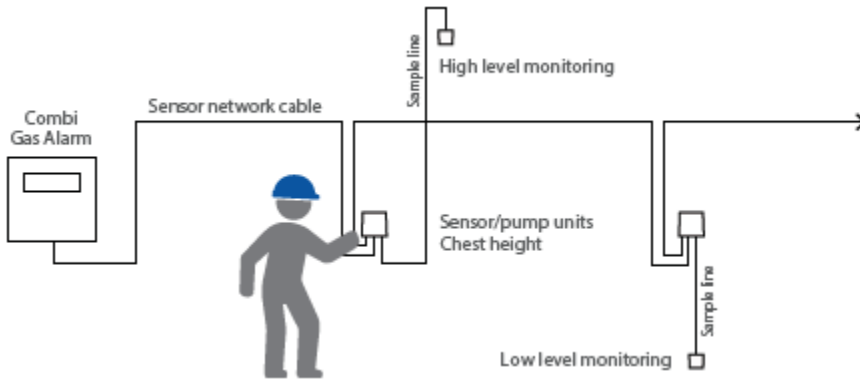
#### Fixing

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

#### EU Design No.

01359723-0001

**Technical Diagrams**



**Sensor / Transmitter**

To accommodate on board sensor/transmitter a deep box (D) is required.

**Field Terminals**

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

**Signal Out Jumper Selection**

FF		FF		FF + PF		PF		PF	
○	○	○	○	○	○	○	○	○	○
12v	5v	NE		CO		NE		12v	5v

**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.

## Technical Specifications

### Pump/Flow Monitor Input

24v DC  $\pm$ 20% 170mA

### Flow Rate

5 litres/min

### Continuous Running

Pump Motor - 6 years expected  
Diaphragm - 3 years in air

### Flow Fail Monitor

Green LED – normal operation  
Red LED – pipe blockage (FF)  
Red LED – pump fail (PF)  
Sounder – not less than 85 dB @ 30cm

### Outputs

Relay S.P.C.O 1Amp  
@ 230vAC – PF/FF/PF+FF  
Selectable 5/12vDC NE or DE  
Factory set – open drain

### Sample Line

6mm OD 4mm ID  
Max Length - 25m, min - 1m  
Material - nylon, polypropylene, PTFE

### Couplings

In/Out - push fit - barbed

### Enclosure

#### Type

30J Deep Safe Area Use Only

#### Protection

IP65

#### Dimensions

H-145 W-147 D- S55 / D90

#### Material

ABS Flame Retardant FR40  
Lid Screws M4SS

#### Finish

Signal White RAL 9003

#### Weight

600gms

#### Entries

Rear 5-20mm knock outs  
Bottom 1 x 20mm knock out  
Top, sides - not specified

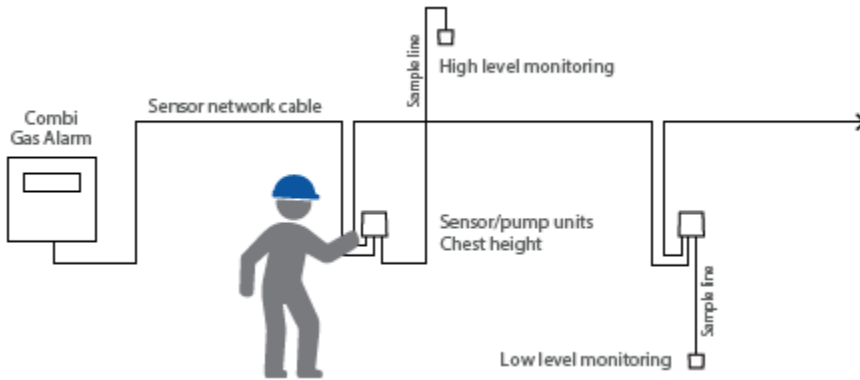
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Standoffs - M4 or No 8 screws  
Drill at (C) when standoffs removed  
Conduit Box - drill at (A) 4.5mm  
Surface Mount Box - drill at (B) 4.5mm

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**Technical Diagrams**



**Sensor / Transmitter**

To accommodate on board sensor/transmitter a deep box (D) is required.

**Field Terminals**

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

**Signal Out Jumper Selection**

FF		FF		FF + PF		PF		PF	
○	○	○	○	○	○	○	○	○	○
12v	5v	NE		CO		NE		12v	5v

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