Seagull Safety
404 GAS ALARM

1-4 Channel Gas Alarm

Specification Sheet ref C467

- **Versatile System Configuration**
- **Flammable, Oxygen and Toxic Gases**
- **1 to 4 sensors**
- **Plug in sensor channel cards**
- **Two alarm stages**
- **Selectable alarm relays**
- **Analogue 4-20mA output**
- **Delay to alarm option**

Application

The 404 gas alarm has been designed with features that provide an effective response to the detection of gas hazards in a wide range of environments, from commercial premises through to heavy industrial applications requiring hazardous area sensing.

Typical monitor locations are public buildings, boiler plant rooms, swimming pools, water treatment works, H&V control systems, manufacturing and processing plants.

Technical Data

Sensor points	• 1 ~ 4
Measurements	• Combustible Gas - L.E.L., % vol, ppm
	• Toxic Gas - ppm, % vol
	• Oxygen - % vol Depletion/Enrichment
	• Any 4~20mA input signal
Power supply	• 230/115v AC or 24v DC and specials
Power Consumption	• 12 watts - full alarm
Indicators	• Power - Green L.E.D
	• Mains Fail - power indicator change green to amber
	• Alarms - Red L.E.D.s
	• Fault - Amber L.E.D
	• Digital Display - 3½ Digit - gas readout
	• Sensor channel selection indicator - Amber L.E.D
	• System test - Alarm L.E.D.s flashing
	• Alarm Relay Inhibit - Fault L.E.D on
Outputs	• High Alarm Relay - Common D.P.C.O
	Normally energised or de-energised, latched or unlatched
	• Low Alarm Relay - Common D.P.C.O
	Normally energised or de-energised, latched or unlatched

- Fault Alarm Relay - Common S.P.C.O
  Normally energised or de-energised
- Channel Relays - 1 per channel high or low selectable S.P.C.O
  Normally energised or de-energised, latched or unlatched
- General Alarm Relay - resetable S.P.C.O
- All contacts rated 5A-230vAC
- Analogue 4~20mA output per channel
- Output 24vDC @ 100mA max - auxiliary equipment (non inductive)

Audible Alarm
- Permanent mute option.
  Lo, Hi, Fault alarms

Alarm Settings
- Digital Setting (fully adjustable between zero and fullscale)
- Delay to alarm T1 - 10 seconds, T2 - 30 seconds, T1 + T2 - 10 minutes

Sensor inputs
- Bridge type 3 wire mV input
- 4~20mA (electrochemical/infrared)

Sensor cable
- 3 core 1.5mm² screened < 1.5km

Miscellaneous
- EMC approvals EN50270 Marine EN60945
- Enclosure - cable entry - bottom/rear
- Operating temperature -10 to +50˚C
- Relative Humidity 0 - 90%
- Protection IP52 - option IP65
- Dimensions 310W x 265H x 75Dmm
- Weight 3.6kg
- Optional backup battery
- Field terminals - 2.5mm quick release
- System/lamp test
- Remote Accept/Reset
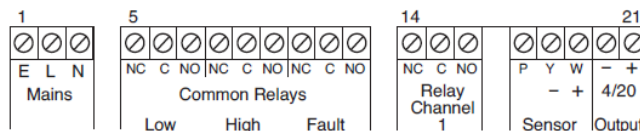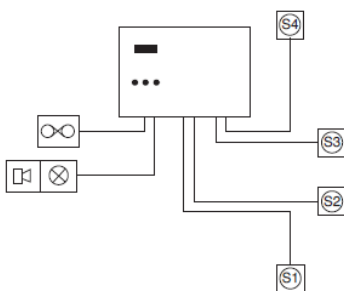- Alarm isolate during service - inhibit

Sensors

XDI-win	XDI	9000	20 J	40 J

Hazardous Area   Safe Area

Field Terminals

1	5	14	21
E L N	NC C NO / NC C NO / NC C NO	NC C NO	P Y W / − +
Mains	Common Relays	Relay Channel 1	− + / 4/20
	Low High Fault		Sensor Output

Repeated for each channel 1~4 terminals 14-21