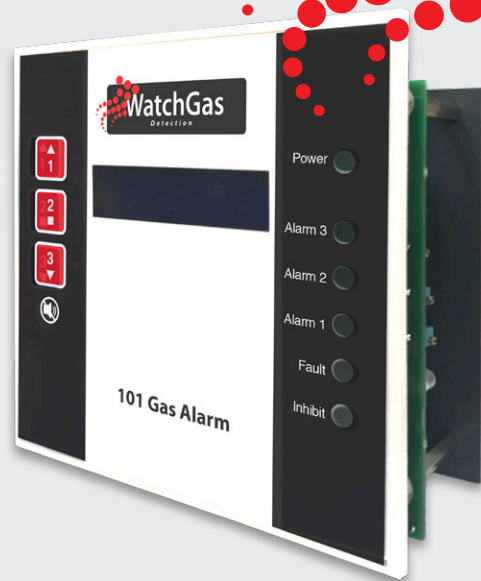


WatchGas 101

SINGLE POINT GAS ALARM – PANEL MOUNT

Specification Sheet C1735

- Flammable, Oxygen, Toxic and refrigerant gases
- Data logging
- Three alarm stages + relays
- 4~20mA analogue output
- Sensor input select 4~20mA/mV BRIDGE
- Back lit alpha numeric full status display
- Front panel access to set up and maintenance of parameters



A fixed single point alarm unit that meets the requirements for economic and reliable monitoring of gas levels in a wide range of environments from commercial premises through to heavy industrial applications that may require hazardous area sensing.

The WatchGas101 may be utilised as a standalone unit or as an addressable sensor forming part of the WatchGas Combi CANbus addressable network system and therefore offering the features of our most advanced system. Typical monitor locations are - public buildings, boiler plant rooms, swimming pools, water treatment works, H&V control systems, manufacturing and process plants.

Measuring Range

Combustible Gas – LEL, % Vol, ppm
Toxic Gas - ppm
Oxygen – % vol – Depletion or Enrichment
Any 4~20mA source input signal

Indicators

Two line alpha numeric back lit display
Power – Green LED.
Alarms 1, 2, 3 – Red LEDs
Fault – Amber LED
Alarms inhibit – Amber LED

Audible Alarm

1, 2, 3 and Fault Alarms – mutable
85dB @ 10cm

Power Supply

24v nominal 15 to 30vDC

Power Consumption

4 watts – full alarm

Outputs

1, 2, 3 and fault alarm relays - SPCO normally de-energised - energised option, latched or unlatched
All contacts rated 3A – 230v AC
4-20mA
CANbus
Logging Intervals – variable time
Roll over/stop
Storage – 2,880 readings
Requires RS232 lead
PC or laptop (dedicated)
Hyperterminal – downloaded from WatchGas website

WatchGas 101

SINGLE POINT GAS ALARM – PANEL MOUNT

Alarm Settings

Digital setting
(fully adjustable between zero and full scale)
Delay to alarm

Sensor Inputs (jumper selectable)

Bridge type 3 wire detector mV (Catalytic)
4-20mA (electrochemical / infrared / catalytic / PID / semiconductor)

Sensor Cable

3 core 1.5mm² screened 1.5km

Miscellaneous

Operating temperature -15 to +50°C
Storage temperature -5 to 55°C
Alarm relay inhibit during calibration
Sounder Inhibit
System function test
Dimensions W 115mm H 117mm D 53
Panel cut out W 105mm H 90mm
Mounting 4 @ 3.5 dia
Panel thickness → 5mm
Weight 260g
Field terminals – screw type 2.5mm

Internal Aspirated Sensor Unit



Control Unit PCB

