

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



The GDS 404 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.

**Sensor points
Measurements**

- 1 ~ 4
- 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

Power Consumption

- 12 watts - full alarm

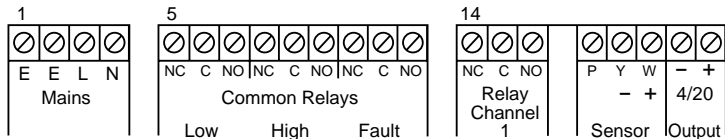
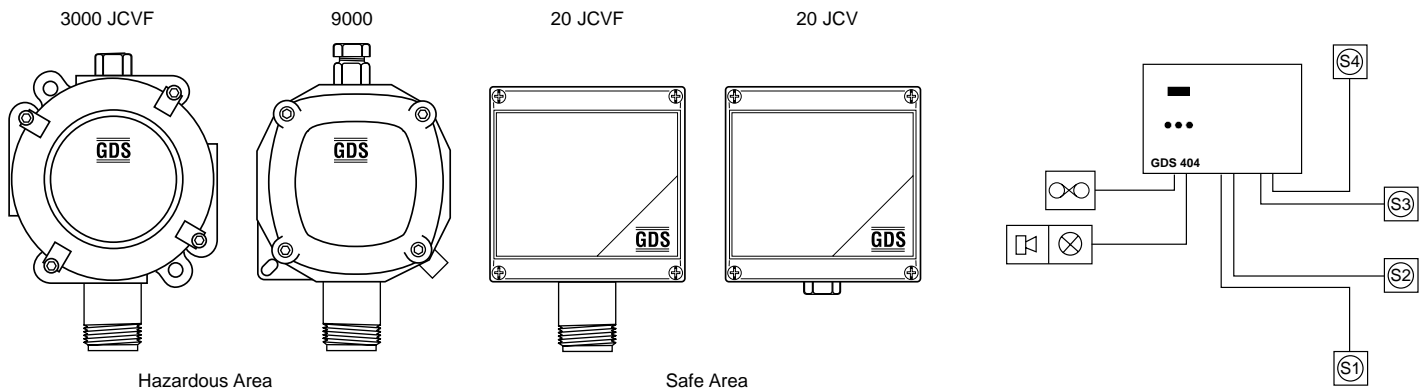
Indicators

- 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
- Audible Alarm**
- Permanent mute option.
Lo, Hi, Fault alarms
- Alarm Settings**
- Digital Setting (fully adjustable between zero and fullscale)
- 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
 - Protection IP52 - option IP65
 - Dimensions 310W x 265H x 75Dmm
 - Weight 3.6kg
 - Operating temperature -10 to +50°C
 - Optional front cover lock
 - Optional backup battery
 - Field terminals - 2.5mm quick release
 - Relative Humidity 0 - 90%
 - System/lamp test
 - Remote Accept/Reset
 - Alarm isolate during service



Repeated for each channel 14-21



GDS Technologies Ltd

Swillington Lane, Swillington
Leeds UK LS26 8BZ
Tel +44 (0)113 286 0166
Fax +44 (0)113 286 4073
Email sales@gds-technologies.co.uk
www.gds-technologies.co.uk

