

XDIwin-F1

HAZARDOUS AREA GAS DETECTOR

Remote Fixed Gas Detection offering local control and display

Specification Sheet
ref C759C v.6

- ATEX/IECEX Explosion proof
- Robust and weatherproof
- 3 alarm points
- 2 alarm relays plus fault relay
- Addressable or stand alone
- CANbus, 4~20mA outputs
- Wide range of gas types/sensors
- Adjustments – non intrusive magnets/manual/hyperterminal
- Back lit alpha numeric full status display
- Data logging



The XDIwin-F1 Gas Sensor is capable of utilising a wide range of sensor cell types offering an unmatched number of gases that may be monitored. Standard 4~20mA signaling with CANbus address enables the sensors to be networked via the GDS Combi control system or customer preferred monitoring systems.

Certification

- Explosion proof ATEX IECEX
- II 2G Ex db IIC T6...T4 Gb
- II 2D Ex tb IIIC T85°C...T135°C Db

Power Supply

- 18 to 35vDC 24v nominal

Outputs

- 3 wire 4~20mA / 4 wire CANbus
- Relays
 - Low alarm S.P.C.O
 - High alarm S.P.C.O
 - Fault alarm S.P.C.O
 - Rating 3A @30vDC
 - Inhibit option during servicing

Logging

- Intervals – variable time
- Roll over/stop
- Storage – 2,880 readings

Display

- 2 line alpha numeric back lit status display: gas type, concentration units, alarm levels, alarm status, low/high/over range/fault), sensor ID, inhibit

Indicators

- Alarm – Red LED
- Fault – Amber LED (flashing when in inhibit)

Housing Material

Copper free aluminium alloy, optional stainless steel

Finish

Chemical resistant epoxy paint RAL 9003 – Signal White
Optional – Marine grade finish
Sensor material – Stainless Steel 316

Ingress Protection

IP64 + water shield IP65
with hydrophobic screen IP66

Cable Entry

2 x M20 – 1.5 pitch – alternatives 25mm – 3/4 NPT

Weight

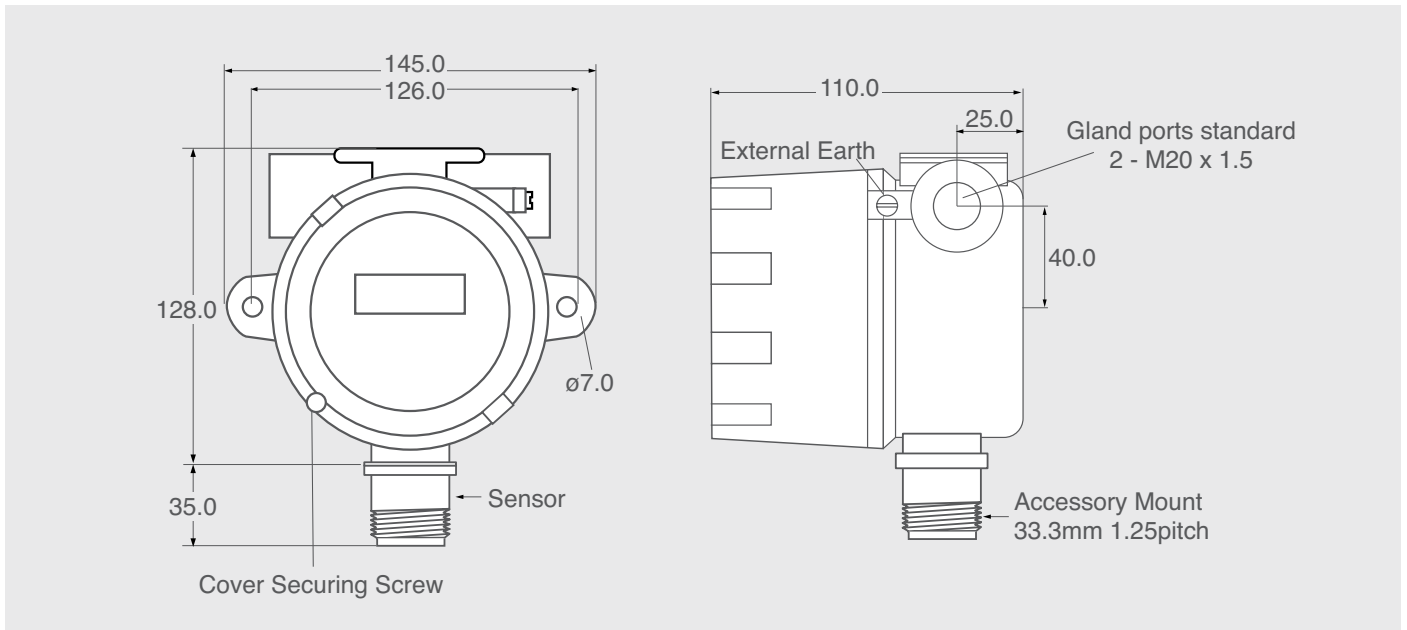
1.6kg

Temperature

–15 °C to +55 °C – safe area use
For hazardous area use see temperature ranges on C1227 (Ex certification summary)

Humidity

5 to 95% RH non-condensing



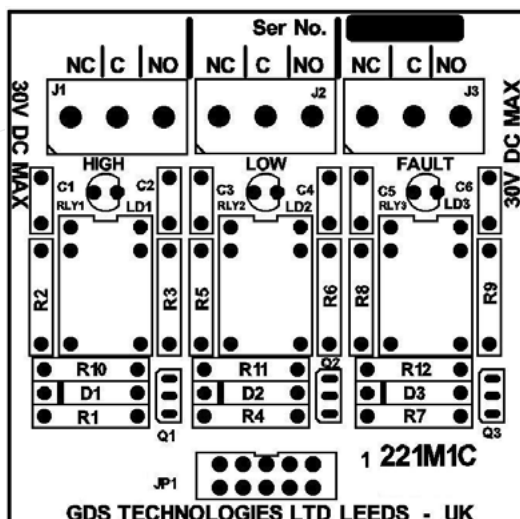
Sensor Type

Infra Red, Electrochemical, Catalytic, Semiconductor, PID

Gas Type / Range

Flammable gases – LEL / %Vol
Toxic gases – ppm/ppb
Oxygen % vol

Three Relay PCB Detail

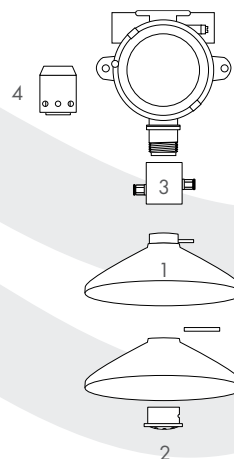


Transmitter Technical Data

Documents:
Flammable – C1883
Toxic/Oxygen– C1882
Prime – C1884

Accessories

- 003-010 Collector Cone & Universal Fitting (1)
- 003-020 Universal fitting (Test Gas Applicator/ Spray Deflector) (2)
- 008-311 Flow Block – nylatron (3)
- 008-310 Flow Block – stainless steel (3)
- 003-035 Water Shield – stainless steel (4)
- 003-090 Duct Mount Kit
- 003-083 Detector Head Weather Shield
- 003-130 F1 Sensor Thermal Jacket



This document is not contractual and the equipment specification may be modified at any time without prior notice.

