

15/30Jwin – P1/P2

GAS SENSOR TRANSMITTER

Remote Fixed Safe Area Detector Head /offering local control and display

Data Sheet C1808B

Doc No. 296 D8C

- Robust and weatherproof
- CANbus, 4~20mA output
- Addressable or stand alone
- Data logging
- Adjustments – non intrusive magnet manual / hyperterminal /digital–push button
- Backlit alphanumeric full status display
- Optional 3 selectable alarm relays
- Optional sounder/relay
- Optional aspirated sensor



The 15/30J enclosure has been designed to allow quick and easy access to its interior by adjustment of two allen screws, this factor is a major consideration when large system service and calibrations are being carried out. The detector is robust and weatherproof with improved response times due to the four mounting spacers allowing increased air movement around the detector. These spacers also improve the mounting of the unit particularly on circular pillars typically found in car parks. Standard 4~20mA signaling with CANbus address enables the sensors to be networked via the GDS Combi control system or customer preferred monitoring system.

Adjustments to menu settings and readings may be made by a single magnet without the removal of the enclosure lid, alternatively push button adjustment is accessible by removing the lid.

Measuring Range

Combustible Gas –LEL, % vol
Toxic Gas – ppm/ppb
Oxygen – % vol, depletion/enrichment

Sensor Inserts

Electrochemical
Infrared
Semiconductor
Pellistor – Catalytic
PID

Power Supply

18 to 30vDC 24v nominal
Mains version 100~240vAC 50/60 Hz
Power consumption – 4W full alarm

Outputs

3 wire – 4~20mA sink/source (Direct)
2 wire – simple 4~20mA transmitter device (no display/relays)
4 wire – CANbus (Addressable)

Sounder/Relay (optional)

Single relay – selectable low / high alarm S.P.C.O
Sounder – not less than 85dB @30cm

Relays (optional) 1, 2, 3

Individual alarm relay selection
Low, high, overrange, fault

Default setting:

- 1 – Low alarm
- 2 – High alarm
- 3 – Fault alarm

Rating 3A (non inductive)
@30vDC S.P.C.O
Inhibit option during servicing
Delay to activate 0~255s
Relay off delay 0~255s

Indicators

Alarm – Red L.E.D
Fault / Inhibit – Amber L.E.D

Display

2 line alphanumeric backlit blue status display:
– Gas type
– Concentration units
– Alarm levels
– Alarm status (low/high/overrange/fault)
– Sensor ID

Logging

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

Miscellaneous

Temperature: -15 °C to +50 °C
Humidity: 0 - 95% RH non condensing
Weight: 0.47 kg
Passcode entry
Manual function check
Aspirated sensor option:-
Longlife internal pump
50/100m sample line options
Note: available only with simple transmitter device (no display/relays) or double box unit.

DETECTOR HEAD

Type – P1 Safe area housing – 4 series cell

Type – P2 Safe area housing – 7 series cell

Ingress Protection

IP63 + Universal Fitting IP64 + Water Shield IP65

Material

ABS - black

Accessories

003-030	Universal Fitting IP64 (Test Gas Applicator/ Spray Deflector)
003-040	Collector Cone + Universal Fitting
003-046	Water Shield IP65
008-312	Flow Block
003-085	Duct Mount Kit
003-083	Detector Head Weather / Sun Shield
003-086	Stand Off Bracket
003-084	Stand Off Bracket + Protection Shield (15J)
007-070	Ceiling Mount Bracket

JUNCTION BOX

Type – 15/30J safe area use only

15J – shallow box (S)

30J – deep box (D)

Ingress Protection

IP64

IP65 overhousing (option)

Material

ABS Flame retardant FR40

Lid Screws M4SS

Finish

Signal White RAL 9003

Entries

Rear, Bottom, 20mm knock outs

Sides, Top – not specified

Mounting

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

TRANSMITTER TECHNICAL DATA

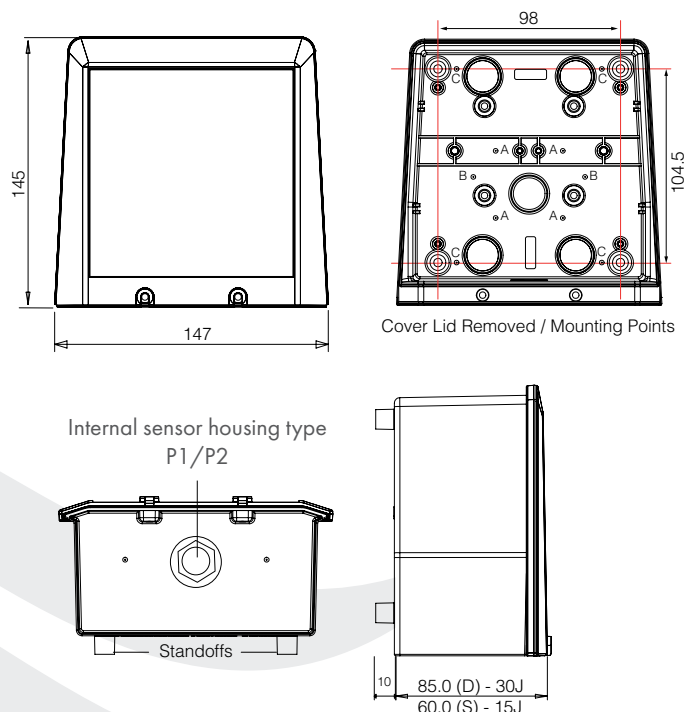
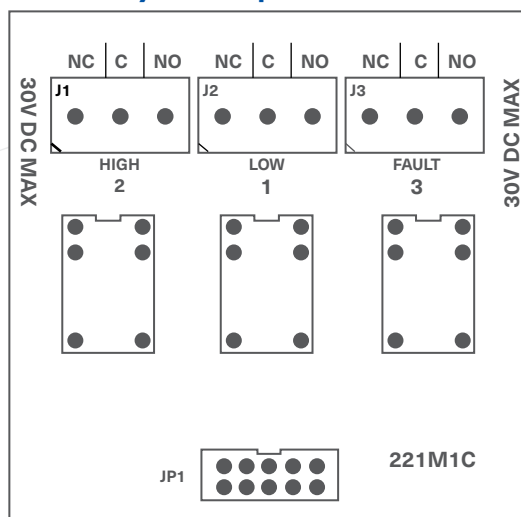
Documents

Flammable – C1883

Toxic/Oxygen – C1882

Note: simple device – transmitter only (no display or relays)

Three Relay PCB – Option



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

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