



BS 5750: Part 1: 1987
 ISO 9001: 1987
 EN 29001: 1987
 QAS 3433/5B Issue 1A

CERTIFICATE NO. FM 12734

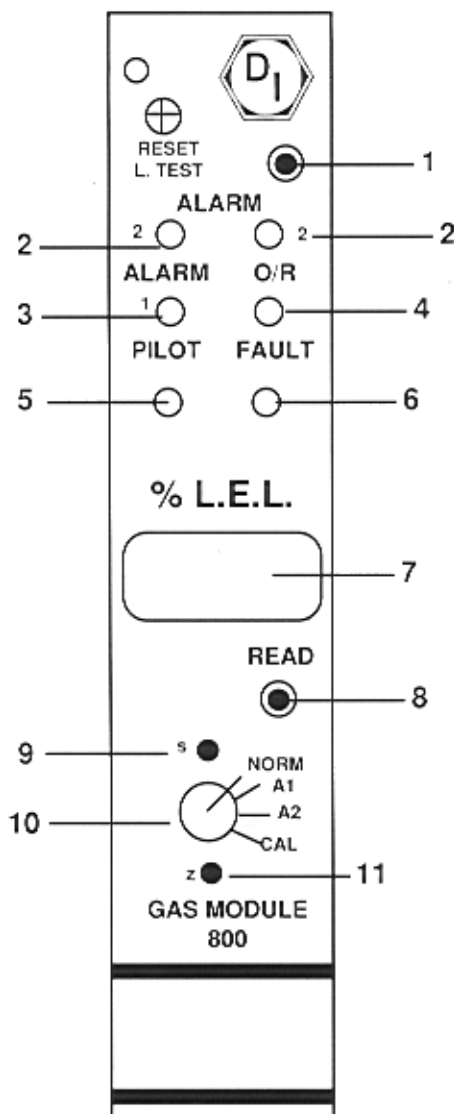
HALMA
 GROUP
 COMPANY



CROWCON
 DETECTION INSTRUMENTS

FLAMMABLE GAS DETECTOR CONTROL CARD

DI 800



KEY:

1. RESET/LAMP TEST push button
2. Red ALARM 2 LEDs - illuminated at or above Alarm Level 2.
3. Red ALARM 1 LEDs - illuminated at or above Alarm Level 1.
4. Red OVER-RANGE LED - illuminated at readings over 99% LEL.
5. Green PILOT LED.
6. Amber FAULT LED - illuminated if fault in detector wiring/card circuitry.
7. % LEL digital display (0 - 99)
8. READ push button - illuminates display if blanked.
9. Access hole to SPAN potentiometer.
10. 4 position rotary switch.
 NORM - normal operation
 A1 - check Alarm 1 setting
 A2 - check Alarm 2 setting
 CAL - access to ZERO and SPAN potentiometers. Alarm outputs inhibited.
11. Access hole to ZERO potentiometer.

FEATURES

- Provides comprehensive output facilities for both Relay Contacts and logic signals for two stages of alarm and fault.
- Two digit LEL display.
- Two alarm levels adjustable between 5-99% LEL.
- ZERO and SPAN (calibrate) controls accessible through front panel only when card is in CAL mode.
- Display blanked below adjustable threshold to minimise power consumption.
- Over-range feature removes power from detector and illuminates O/R LED.

SPECIFICATION

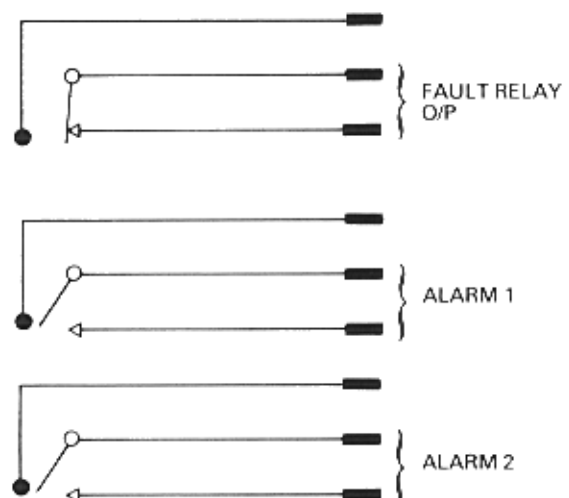
Power Supply	Nominal 24V DC Range 18V - 35V
Fused Power Inputs	
Power Consumption	Quiescent 200mA (395mA with display on) Alarm 545mA
Construction	Front panel 3u high x 25mm wide Card 220mm long
Weight	260 grams
Connector	64 way DIN 41612 3 Micron Gold plating (min)
Temperature Range	0 to 50°C
Humidity	95% R.H. Non-condensing

ELECTRONIC OUTPUTS

(For Each Alarm Level)
 Continuous Alarm Output = Logic 1
 Logic Levels: Logic 1 = 0.6V
 Logic 0 = 12V
 Pulse Alarm Signal.
 Flashing Alarm Signal, continuous on accept by Audio Card - DI 952.
 Analogue voltage output.

RELAY OUTPUTS

Two DPCO contacts on Alarm 1 and Alarm 2. One SPCO contact on fault.
 Contact Ratings 1A at 24VDC. Alarm Relays - normally de-energised. Fault Relays - normally energised.



STOCK NO.
 M07083