

GENERAL

PROVIDES COMPREHENSIVE MONITORING FACILITIES IN ACCORDANCE WITH BS6020 FOR CATALYTIC TYPE GAS DETECTORS

SPECIFICATION

INDICATORS

- | | | |
|-----------------------------|--------------------------------|------------|
| <input type="radio"/> O/R | - OVER RANGE (READING OVER 99) | RED LED |
| <input type="radio"/> A2 | - ALARM LEVEL 2 | RED LED |
| <input type="radio"/> A1 | - ALARM LEVEL 1 | RED LED |
| <input type="radio"/> FAULT | - FAULT */INHIBIT | YELLOW LED |
| <input type="radio"/> PILOT | - CARD HEALTHY (ON-LINE) | GREEN LED |

(* FIELD LOOP OPEN OR SHORT CIRCUIT)

DISPLAY

TWO DIGIT DISPLAY (00-99%)
DISPLAY BLANKING BELOW ADJUSTABLE THRESHOLD TO MINIMIZE POWER CONSUMPTION

CONTROLS

- Z - ZERO POTENTIOMETER
- S - SPAN POTENTIOMETER
- NORM./SOL - NORMAL/ISOLATE TOGGLE SWITCH
ALL ALARM OUTPUTS INHIBITED IN 'SOL'
- RESET/L.TEST - RESET/LAMP TEST
- READ - ILLUMINATES DISPLAY BELOW
BLANKING THRESHOLD

POWER SUPPLY

18-35 VOLTS DC

HUMIDITY

95% R.H. NON-CONDENSING

TEMPERATURE RANGE

0-50 DEG C

POWER CONSUMPTION

DETECTOR LINE RESISTANCE
 0 OHMS 20 OHMS LOOP (MAX)
 QUIESCENT : 100mA 200mA
 FULL ALARM : 250mA 350mA
 (ABOVE FIGURES BASED ON ALARM RELAYS IN
 NORMALLY DEENERGISED STATE)

RELAY OUTPUTS

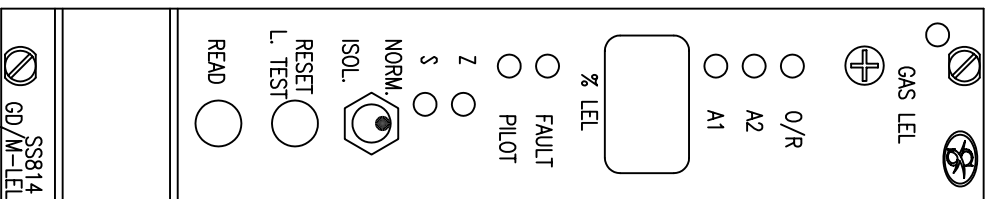
ALARM 1, ALARM 2, FAULT : DPCO
 CONTACT RATING : 2A/24VDC
 ALARM RELAYS SELECTABLE FOR NORMALLY
 ENERGISED OR NORMALLY DEENERGISED
 OPERATION

ELECTRONIC OUTPUTS

A1, A2 : OPEN COLLECTOR
 DARLINGTON OUTPUTS
 RATING PER OUTPUT : 500mA/24VDC
 LOGIC 1 : 0.6V
 OUTPUT - LOGIC 1 WHEN
 CORRESPONDING RELAY
 ENERGISED

MECHANICAL

FRONT PANEL : 3U HIGH 5HP WIDE (25mm)
 CARD DEPTH : 160mm
 WEIGHT : 200gms
 CONNECTOR
 64 WAY DIN 41612 (A+C)
 3 MICRON GOLD PLATING



REV.	DATE	DESCRIPTION	DRAWN	CHECK'D
0	31.08.92	ISSUED FOR APPROVAL	SA	AD
1	24.07.98	REVISED DETAIL TRK & DATA	SA	AD



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GAS DETECTOR CONTROL CARD
 SS814 GD/M-LEL

DRAWN BY :		DATE :	
SA	AD	31.08.1992	31.08.1992
CHECKED BY :		DATE :	
AD	AD	31.08.1992	31.08.1992

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REVISION
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