

GENERAL

PROVIDES COMPREHENSIVE MONITORING FACILITIES FOR ANY 2 OR 3 WIRE 4-20mA GAS DETECTOR. SOURCE OR SINK OPTIONS ARE AVAILABLE SELECTED BY P.C.B. LINKS

SPECIFICATION

INDICATORS

- O/R - OVER RANGE (READING OVER 99) RED LED
 - A2 - ALARM LEVEL 2 RED LED
 - A1 - ALARM LEVEL 1 RED LED
 - FAULT - FAULT */INHIBIT YELLOW LED
 - PILOT - CARD HEALTHY 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./ISOL - NORMAL/ISOLATE TOGGLE SWITCH ALL ALARM OUTPUTS INHIBITED IN 'ISOL'
- 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

QUIESCENT : 50mA
FULL ALARM : 200mA
(ABOVE FIGURES BASED ON ALARM RELAYS IN NORMALLY DEENERGISED STATE)

RELAY OUTPUTS**

ALARM 1, ALARM 2, FAULT : DPCC CONTACT RATING : 2A/24VDC
ALARM RELAYS SELECTABLE FOR NORMALLY ENERGISSED 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 ENERGISSED

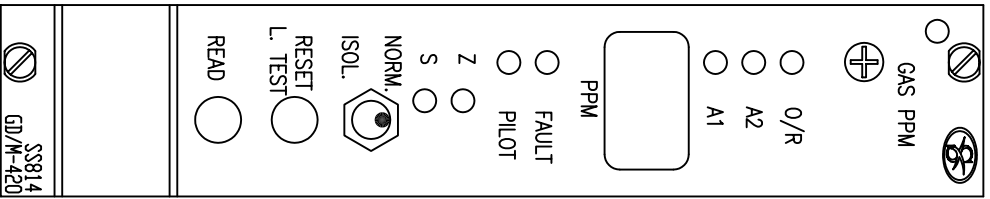
MECHANICAL

FRONT PANEL : 3U HIGH 5HP WIDE (25mm)
CARD DEPTH : 160mm
WEIGHT : 200gms

CONNECTOR

64 WAY DIN 41612 (A+C)
3 MICRON GOLD PLATING

** ALARM RELAYS & SOLID STATE OUTPUTS CAN BE CONFIGURED TO ACTIVATE ON RISING OR FALLING SIGNALS BY MEANS OF PCB LINKS.



REV.	DATE	DESCRIPTION	DRAWN	CHECK'D
0	23.03.95	ISSUED FOR APPROVAL	SA	AD
1	24.07.98	REVISED DETAIL TRK & MVA	SA	AD



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TITLE :

GAS DETECTOR CONTROL CARD
SS814 GD/M-420

DRWG NO :	ISSUED BY :	DATE :	REVISION
SS66100-08	SA	23.03.1995	1
	AD	23.03.1995	