

8 CHANNEL GAS MONITORING PANEL

Online Fixed - **RS24ILG-FST**- Industrial Flammable Gas Detector

Model For : PNG, Methane (Natural gas) CNG,LNG ,LPG

Applications : • Methane/CNG/LNG Gas Storage Areas • Gas Bullet & Banks • Hotel , Restaurant Kitchens - Canteen • Gas ranges and ovens • Gas clothes dryers • heaters • Industrial Canteens • Gas Filling Stations • Gas Boiler • Spray-Paints etc

Technical Specifications :

Gas Leak Detector

Detection Principle : Catalytic

combustion, Semiconductor ,

Power Input: DC 24

Input : Relay Contact.

Alarm Re-set : Accomplished via an Integral.

Response Time : Less 5 Seconds.

Zero Drift : 0.2% Fs

Accuracy: 2% Fs.

Operating Tem.: (0°C to +50°C)

Terminations : PCB Mounted terminal blocks to accept 1.5mm wires.

Display : RED LED - 3 digit Display for Gas Level.

Indication : L-Alarm , H-High Alarm,Fault. Power On

Power Consumption : 4 wire:3.6 W max.

Cable Required : 4 Core x 1.5 sq.mm

Gas detection panel:

TECHNICAL SPECIFICATIONS

Mains Supply 230 V A/C,50 Hz,

Standby Supply 24 V DC Battery

Charger Capacity 7 Amp. Hour Battery Max

Operating Voltage 24 V DC

Zone Loop Resistance 50 Ohms Max

End Of Line Resistor 4.7K 1/4 watt

Max. Auxiliary Output 500 mA @ 24 V DC

Repeater Panel Output 4 Wire Shielded,RS-485 and Power

CIRCUIT PROTECTION

Mains Supply 500 mA. Fuse

Battery 2 Amp. Fuse

Hooters 1.5 Amp. Fuse

CURRENT CONSUMPTION

Panel Quiescent Current 200 mA

Zone Quiescent Current 4.4 mA+2.4 mA for Detectors

Zone Alarm Current 15 - 30 mA Threshold

Zone Short Circuit Current 40 mA Max

ALARM OUTPUTS

Common Alarm Hooter Output 1 Amp. @ 24 V DC

Common Fire Contact (C,NO,NC) 120 V

AC/24 V DC @ 2 Amp

Common Fault contact (C,NO,NC)120 V

AC/24 V DC @ 2Amp.

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AC/24 V DC @ 2Amp.

Zone Wise Hooter Output Optional

Zone wise alarm repay output Optional



INTRODUCTION

These are Micro controller Based Semi Addressable Gas Alarm Panel. This range of control panels provides Gas detection from 8 to 20 Channels. All control panels are contained with built in linear power supply with battery charger.

These panels are designed to meet all requirements of IS-2189 and IS2148 are extensively used in installations which require TAC Approval. GMS-200 is 08-channel fix gas monitoring unit to monitor gas leakages from remotely located gas detectors simultaneously. With indication for Normal/Fault/Alarm I & II along with Accept / R-set Button to cancel the Alarm.

GMS- 200 is composed of one monitoring unit more than Eight Gas Leak detectors. While each Channel receive Relay contact density signals from external gas detectors, when the density becomes higher than alarm value to give signal to monitoring Panel to sound alarm. Monitoring Panel gives digital display Low Alarm and High Alarm with two levels Audio visual alarm.

GMS-200 transmits the relay output connecting with existing Fire Alarm System also additional relay contact output to give and signal various Shutdown devices for composition of integrated gas monitoring system.

FEATURES

- ♦ Fully confirms IS-2148 and IS-2189 for Gas and Fire Detection
- ♦ Rugged CRCA sheet with powder coating
- ♦ Microcontroller based 16 X 2 Alpha Numeric LCD display with back light
- ♦ Real Time Clock & Event Logging for Zone Alarm, Zone Fault & Power Fault Events.
- ♦ On site system configuration/ setting and text messaging via programmable LCD Display Keyboard
- ♦ Alarm Verification for each zone to eliminate False Alarm
- ♦ Error free Fire & Fault status in unambiguous coloured LED indication
- ♦ Monitored Power Supply-Operates On 230V, AC Supply
- ♦ Battery Back Up with built in charging
- ♦ Zone Circuits are monitored for Open & Short circuit
- ♦ Common Hooter circuit is monitored for Open & Short circuit
- ♦ Zone wise Isolation facility with loop voltage cut off
- ♦ Common Gas Relay Out Put
- ♦ Poly-Carbonate LED & LCD display membrane keyboard with Tactile switches
- ♦ RS-485 Communication Port For Repeater Panel
- ♦ 24 DC Auxillary Output Supply

RealSafe
Gas Leak Detector

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