

GAS DETECTION SYSTEM

Multi Channel Gas Detection System

Computerised Gas Detection, Alert & Protection System with Complete Event Logging.

GDS 114



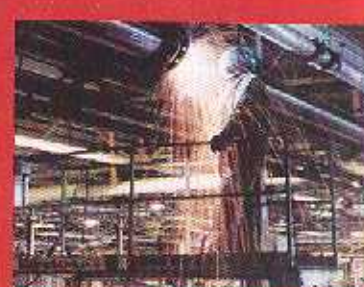
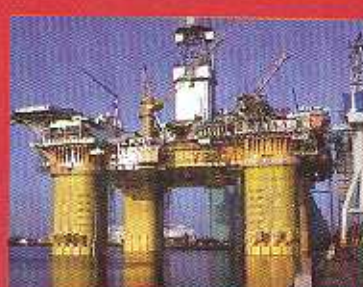
GAS DETECTION & PROTECTION SYSTEM Complete Black Box Solution for Total Safety

Pakistan's first Multi-Channel gas detecting system with event logging, user configurable threshold setting and PC connectivity for remote monitoring.

- Can attach up to 8 Sensors.
- Capable of handling a variety of combustible gas, toxic gas, heat, fire & smoke sensors.
- Log the complete event on Local Display and computer (Location / Date / Time).
- Adjustable to different thresholds for different Locations.
- Displays %age of Gas in Normal as well as Alarm Conditions.
- Produce Alarm signal for buzzer / Indication Light & shuts off Machine Units as well as Gas Lines.
- Comprehensively handle the Emergency Shut-Off Switches with above features.

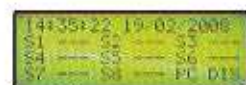
Applications

- CNG Stations.
- Chemical / Petrochemical Industries.
- Plazas.
- Storage Facilities.
- Power Houses.
- LNG Facilities.
- Tanker Loading / Unloading Units.
- Refineries and Pipelines.
- Textile Dyeing / Printing Units.



A Reliable Safety Solution

- **GDS can accept a variety of (Voltage / Current) sensors including**
Combustible Gas sensors (CNG, LPG, LNG etc)
Toxic Gas sensors (H₂S, Ammonia etc)
Heat Sensors, Flame detectors, Smoke Detectors
- **GDS can handle Emergency shut off switches with complete Event logging options.**
- **Self Diagnostic start up.**
- **Programmable Threshold setting for each sensor.**
- **Backlit Character LCD continuously indicating Gas Hazard conditions, PC connectivity & Sensor status.**
- **Extensive fault Diagnostic.**
- **Complete Log of "Power off" status.**
- **Complete Log of Sensor malfunction / disconnection.**
- **Equipped with 5 DPDT Relays for Normally close or Normally Open Outputs.**
- **Password Protection for Critical settings.**
- **User Friendly Keypad for different settings, PC connection options and Alarm History view.**
- **No need to Reset the system after alarm conditions.**
- **Operated on 220VAC, handling Buzzers/Flashers & Solenoids attached at relay outputs; without any external power supply.**
- **2-way Digital Communication via RS 232 / 485 connections.**
- **Light weight Aluminum Enclosure with Easy to handle wall mounting option.**



HMI Software

- **Real Time Monitoring of all attached sensors and Emergency Shut Off switches.**
- **A Variety of Screen display options including Dial View, thermal & Fill Graph views.**
- **Complete Data logging for Alarms as well as Normal Conditions.**
- **Data can be exported to MS Excel sheets and can be displayed in Graphical form for complete Trend analysis.**
- **Automatic Email for Alarm conditions.**



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