Features:

- ❖ *Microcontroller, SMD components*
- ❖ *4 Channels, 2 Alarms/channel*
- ❖ *LCD backlit 2 x 16 characters display*
- ❖ *Real Time Clock+ Battery*
- ❖ *Last alarm conditions data*
- ❖ *8 channel Alarm relays*
- ❖ *230V/12VDC power supply*
- ❖ *RS232 serial output optional*
- ❖ *IEC60079-29-1Compliant*
- ❖ *In-built Buzzer*
- ❖ *Front panel Programming*

mG-4000DR system is a 4-zone microcontroller based gas detection control monitor capable of monitoring the gas concentration of up to 4 sensors. Front panel controls provide extensive programming features – 2 independent settable alarms for each channel, channel skip, latching/non-latching Alarm1, channel range, real time clock. Entry into Configuration is password (user settable) restricted. This is packaged in a compact DIN rail mountable 9 wide module. Whole unit can be housed in a weather proof IP65 enclosure for outdoor use. Optional serial port RS232C facilitates PC connectivity. Back-lit LCD display (2x16) is divided in 4 sections for simultaneous display of all 4 channels without scrolling.

Two independent relays for each channel (Alarm1 & Alarm 2), continuous fault monitoring, time keeping, audio buzzer for abnormal conditions in a compact format makes this a true micro Genius.

Gas Monitoring System components & Optional Accessories:

Gas Detector Unit with Display

Flameproof Gas Detector Unit

Weatherproof Gas Detector Unit

Hooter-cum-Flasher

Automated Shut-off Valve

Other Optional Accessories:

❖ Battery back-up
❖ Mounting Stand/Plate
❖ Canopy
❖ Splash Guard
❖ Calibration Kit
❖ Relay Box

Technical Specifications

Gases	Combustible gases Toxic gases	**Contacts Rating**	Zone Relays: 8 x 2A@230V
			Aux. Relay: 1 x 5A@250V
Monitoring Range	0-100% LEL 0-100/500/1000 ppm	**Power Supply**	230V ~ -15% +10% 50/60 Hz.
		Power Absorption	9.5VA
Alarm Thresholds	Two; pre-alarm & alarm	**Serial Port**	Standard RS232 (9600, 8, N, 1)
		Operating Temp.	+5°C .. +55°C
Display	LCD backlight; 2 x 16 characters	**Operating Humidity**	20% .. 90% RH (non cond.)
Indications	4; On/Off, Fault, Alarm, Mains	**Protection Degree**	IP 00 (IP 30 in DIN rail cabinet)
Controls	RESET & Programming Buttons	**Dimensions**	158 x 90 x 71 mm (L x H x D)
Audio Alarm	Inbuilt Buzzer	**Weight**	~ 850 gms.

Gas Detection The Most Reliable Way

mG-4000DR...V1.0