

LPG/ PNG (METHANE) LEAKAGE DETECTION

General Explosion Theory and Safety Precautions

Liquefied petroleum gas (LPG) is a colourless, odourless liquid which readily evaporates into a Gas. Normally an odorant has been added to it to help detect leaks. LPG may leak as a gas or a liquid, Density of LPG is greater than air. When the gas meets a source of ignition, Oxygen it can burn or explode.

Model blue/white GEA0319 is a wall and stand Mounted fixed type use **Catalytic Bead sensor** LPG/PNG leakage detector.

Global make Industrial/Commercial gas detector enclosed in Flameproof housing with certification of CCOE / PESO / CMRI approval.

These are wall-hung gas detectors designed to detect gas leaks and prevent accidents saving precious lives and property. As soon as said leakage arrested to concentration up to a preset level, immediately Detector provides an audio visual alarm (Early warning) in case gas leak and alerts you to take prompt action. Our product has a special provision of relay wire which can be connected to the **solenoid valve to shut off** when it starts alarming.



LPG/PNG (METHANE) GAS DETECTOR

DELHI | BANGALORE | HYDERABAD | VISHAKHAPATNAM | THANE | ALLAHABAD | CHANDIGARH | LUCKNOW

Office: G-32/1, Upper Ground Flr, Sarita Vihar Road, Near Central Bank, Shaheen Bagh, Jamia Nagar, Okhla, New Delhi-25

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PRODUCT SPECIFICATION

Detector Type	: Fixed Single Gas
Usage/Application	: Industrial/Commercial Kitchen
Detecting Principle	: Catalytic/Semiconductor
Default Calibration Range	: 0 to 20% LEL
Make/Model	: Global/GEA0319
Display Type	: Red Alert indication
Measurement range	: 0-100% LEL (Lower explosive limit)
Input power	: 24VDC
Output	: Potential Free Contact (PFC), NO/NC-Optional
Operating Temp.	: 0-55 Deg C
Sound level	: 80db
Warranty	: 12 Month from the Date of Supply

Features:

- Trouble free simple installation and maintenance
- Fast Response
- Widely installed in many industries, Cafeteria, Mall, Restaurants, Hospital
- Four wire communication two for power and other two for output.
- Incorrect wiring Protection

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HYDROGEN/AMMONIA/METHANE GAS DETECTOR

Yellow Model GEA0319 is a wall and stand mounted fixed type semiconductor sensor LPG/PNG-H₂-NH₃ leakage detector.

Global make Industrial/Commercial gas detector enclosed in Flameproof housing with Certification of CCOE / PESO / CMRI approval.



PRODUCT SPECIFICATION

Detector Type	: Fixed Single Gas
Gas detected	: LPG/PNG/ METHANE /H ₂ /NH ₃
Usage/Application	: Industrial/Commercial
Detecting Principle	: Semiconductor/Catalytic
Make/Model	: Global/GEA0319
Display Type	: Analog, Red Alert indication
Measurement range	: 0-100% LEL (Lower explosive limit)
Calibration Range	: 20% of LEL (Optional)
Input power	: 9V-30VDC
Output	: Potential Free Contact (PFC), NO/NC-Optional
Operating Temp.	: 0-55 Deg C

Features:

- Trouble free Simple installation and maintenance
- Fast Response
- Widely installed in many industries, Cafeteria, Mall, Restaurants, Hospital
- Four wire communication two for power and other two for output.
- Incorrect wiring Protection

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TECHNICAL DATA SHEET

CONTROL PANEL-GEACP2/4Z

GEA is very proud to introduce control panel which is completely digital microprocessor-based panel in Indian fire and safety industry by using the digital technology. CONTROL PANEL monitors all the detectors status continuously with the help of LED indications and LCD display. Display



Features:

- Operates on wide range 110-265 VAC, 50 Hz AC supply
- Zone wise Gas Leak LED indications.
- **Heavy Duty OMRON** relay with base which gives roughed life
- Leakage status in unambiguous colored LED indications.
- 16x2 line LCD display
- **SMPS provided** with short circuit protection, overvoltage/under voltage protection.
- External switch for Reset, Silence.
- Zone isolation facility with loop voltage cut-off.
- Relay O/P for actuators/ Solenoid Valve/Hooter Fire Control room.
- Mains on, System on, visual indications.
- Common Leakage indication.

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TECHNICAL DATA SHEET

CONTROL PANEL-GEACP6/8Z

Global Model GEACP6Z / GEACP8Z is 6-Zone& 8 zone control panel. It is indicating equipment forms the central part of a gas detection and alarm system. The 4-wire is compatible with GEACP6Z devices. And it is the central part of conventional gas alarm system, designed for applications requiring gas leak detector.



Features:

- Operates on 110-265 VAC, 50 Hz AC supply
- Zone wise Gas Leak LED indications.
- Zone wise relay output
- **Heavy Duty OMRON** relay with base which gives rough life
- Leakage status in unambiguous colored LED indications.
- 16x2 line LCD display
- **SMPS provided** with short circuit protection, overvoltage/under voltage protection.
- External switch for Reset, Silence.
- Zone isolation facility with loop voltage cut-off.
- Relay O/P for actuators/Solenoid Valve/Hooter Fire Control room.
- Mains on, System on, visual indications.
- Common Leakage indication.

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SOLENOID VALVE (AUTOMATIC SHUTOFF)



SPECIFICATION

Brand	U Flow
Media	PNG/ LPG Gas
MOC	SS304
Diaphragm Seal	VITON
Ambient Temperature	-20 to 50 Deg C
Maximum Operating Pressure	0.5Bar to 12 Bar (0-7 Bar available)
Supply Voltage	24VDC, FLP coil CMRI certified
Electric Wiring	2core
Ambient Temperature	-20 to 50 Deg C

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ITALLAIAN SOLENOID VALVE WITH MANUAL RESET



SPECEFICATION

Brand	Madas
Media	PNG LPG Gas
Supply Voltage	12VDC/ 24VDC
Ambient Temperature	-20 to 50 Deg C
Maximum Operating Pressure	500 mbar or 6 bar

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