

FLAMMABLE GAS LEAK DETECTOR

UNIPHOS-499

HEAVY DUTY FLAMMABLE GAS MONITORING SYSTEM



The Uniphos 499 Flammable Gas Monitoring System is a novel state of the art leak detection system. Designed for permanent installation, the unit is able to monitor the presence of combustible gases such as LPG, CNG, LNG etc. in a variety of applications.

AREAS OF APPLICATION

- LPG/CNG/LNG Gas Storage Areas
- LPG Bullet & Banks
- Plant Locations
- Hotel Kitchens
- Industrial Canteens
- Gas Filling Stations

FEATURES

- Microprocessor based system with in-built self-test facility & RS 485 digital data communication link.
- CMRI / CCOE certified Gas Leak Detector heads continuously monitors the presence of flammable gases.
- Local & an optional Remote Alarm Indicator console provides audio-visual alarm status from all detector heads.
- Relay output for automatic activation of exhaust fan, hooter, solenoid valve etc.
- Alarm acknowledgement / reset and mute keys on both local and remote consoles.



United Phosphorus Limited

COMBUSTIBLE GAS LEAK DETECTOR

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SPECIFICATION

Detector Heads & Alarm Indicator Console :

Each console can handle up to 10 detector heads

Display :

Power ON Indicator LED for each detector head.

Function keys :

Membrane switch for alarm acknowledgement & mute

Alarms :

Visual & 107dB Audio Hooter Alarm at Alarm Indicator Consoles. Visual flashing LEDs on detector heads

Relay Output :

Potential Free SPDT relay contact provision at local and remote Alarm Indicator Consoles

Power supply :

230 VAC, 50 Hz mains supply (SMPS) for digital receivers

Self Test :

Pre-programmed 'self test' checks sensor integrity, alarm functions and system functioning

Size :

Detector heads: 110 mm diameter

Alarm Indicator Consoles: 285 x 250 x 100 mm
(H x W x D)



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The UNIPHOS 499 system has been designed and developed by United Phosphorus Limited under a Joint Venture Participation of the Department of Science & Technology (Government of India) and in association with the LPG Equipment Research Centre - LERC (R&D wing of Indian Oil Corporation Ltd., Hindustan Petroleum Corporation Ltd., and Bharat Petroleum Corporation Ltd.).

The detector heads to be located in the hazardous area are housed in CMRI certified enclosures and the sensors are CCOE certified complying with EEx ia IIB T6 protection. The detector heads provide a local visual indication of power & low or high alarm status.

The Alarm Indicator Console is constructed from sheet steel for robustness and is water and dust resistant to IP54 standards. It has a lockable front panel offering access to authorized personnel only. The console is wall mountable.

This microprocessor based system incorporating the latest state of the art technology provides unsurpassed reliability for gas leak detection.



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