

## **FREQUENTLY ASKED QUESTIONS[FAQ]**

1. What is LMS?

LMS is a LED based LPG Monitoring System, capable of continuously reading up to a max. of 4 Enose[I] LPG detectors. The system is fully Microcontroller controlled.

2. What is the max. distance between a detector andALERTone?

The max. distance between any detector and LMS is 130 meters.

3. How is LMS powered?

The LMS is powered from 230 VAC,50 Hz. Supply. The tolerance shall be plus/minus 10%. The consumption depends on the no. of detectors connected. The basic unit consumes 3 watts.

4. Can the system work, when the AC mains fail?

Yes. The system can be powered from a generator OR UPS of suitable rating.

5. Is the sensor used in Enose, made in India or abroad?

The sensors used are high quality Imported Japanese make.

6. How many cables are required between the LMS and a detector?

Each detector requires 3 cables, two for power [0.5 mm<sup>2</sup>] and one data [0.5 mm<sup>2</sup>].

7. Does the LMS do any self diagnostics?

Yes. The ALERTone does checking of all connected detectors. The diagnostic LED display indicates any faulty detectors OR interconnecting field cable. This takes about 5 minutes during system start up.

8. How is the LMS mounted?

The LMS is a standalone unit, in a cute ABS plastic enclosure, which can be wall mounted on screws.

9. Where is the Hooter placed?

The Hooter is miniature type, mounted inside the LMS.

10. Can multiple Hooters

supported? No.

11. How is the detector cables terminated on ALERTone?

The Detector cables are terminated on external 3 way terminal block.

12. How does the LMS function?

Operate the power switch PWR on the front panel. The system starts up and enters self check mode. All connected detectors/field cables are tested for its healthiness. Faulty detectors are indicated on the front panel LED displays. This self check takes about 5 minutes, after which the LMS starts self calibration mode. The power LED start flashing to indicate that the sensors are in auto calibration. After 2 minutes, the flashing of LED stops and the system is ready for its surveillance. The power LED glows steady, to show system ready. When any connected Enose detector is active, The corresponding LED starts flashing and the Hooter is activated. The detector LED indicates the tag no. of the active detector. The Hooter can be stopped by pressing the ACK button on front panel. When acknowledged, the LED becomes steady. The above sequence repeats, when a new detector becomes active. When acknowledged, the new active detector details also is included in the LED display. The alarm display disappears, when the detector is inactive. Alarms from up to 4 detectors can thus be realized on the LED display on the front panel.

13. Can the LED display custom built?

No.

14. What is your warranty terms?

LEDS is giving a free replacement warranty of 2 calendar years, from the date of commissioning of its systems[conditions apply].

15. Do you give after sale service?

Yes. LEDES do routine checking and servicing of their installed systems, every six months, during the warranty period. Also we shall take up maintenance of our system for further extended periods, as per a separate maintenance contract.

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