

FREQUENTLY ASKED QUESTIONS[FAQ]

1. What is ALERTone?

ALERTone is a LCD based LPG Monitoring System, capable of continuously reading up to a max. of 16 Enose 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 ALERTone is 100 meters.

3. How are the Enose detectors powered?

The Enose detectors are powered centrally, from the ALERTone over 0.5 mm² PVC insulated ,single strand copper cable.

4. What is the supply rating of Enose detector?

The Enose detector works from 9 V to 18 V DC supply. The consumption is less than 3 Watts.

5. How is ALERTone powered?

The ALERTone is powered from 230 VAC,50 Hz. Supply. The tolerance shall be plus/minus 15%. The consumption depends on the no. of detectors connected. The basic unit consumes 10 watts.

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

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

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

The sensors used are high quality Imported Japanese make.

8. How many cables are required between the ALERTone and a detector?

Each detector requires 3 cables, two for power [0.5 mm²] and one data [0.5 mm²].

9. Does the ALERTone do any self diagnostics?

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

10. Does the detectors require any field calibration?

No. The Enose detectors are microcontroller controlled, and does the calibration automatically, during the power up. It takes around 2 minutes for this operation.

11. Does the detector smell the LPG?

No. The Enose detects the isobutene/isopropane contained in LPG and when exceeds calibration value, transmit data to ALERTone.

12. Can the sensitivity of detectors varied, as desired at site?

Yes. The sensitivity of Enose detectors can be varied as desired, but only factory set in firmware.

13. Can the Enose give output for controlling solenoid cutoff valve?

Yes. This is an optional feature. It can provide potential free contact output for this application.

14. Any caution to be taken for using the Enose detectors?

Yes. Please note the following:

- a. Do not expose to smoke and cooking fumes, for better operation.
- b. Do not use water for cleaning. Only wipe with dry cloth.
- c. Avoid exposure to alcohol or petroleum compounds, which could trigger the alarm on continuous exposure.
- d. Switch OFF the Enose detectors, when using insecticides.
- e. Use only 500 mA cartridge fuse,for ALERTone.

15. How is the Enose mounted?

The Enose detectors are wall mounted, on two screws.

16. Where is the Enose mounted?

The Enose detector is mounted near to the LPG openings/Stove/Junctions, 1 feet above..

17. Is it advisable to give an external enclosure for the Enose detectors?

No. This would trap the LPG traces inside the extra enclosure and give unwanted continuous alarms.

18. How is the ALERTone mounted?

The ALERTone is freestanding table top version. It can be kept on wall mounted metallic/wooden stands.

19. Where can the Hooter installed?

The Hooter can be wall mounted on two screws, any where at a max. distance of 50 meters. From the ALERTone.

20. Can multiple Hooters supported?

Yes. This can be given as option.

21. How is the detector cables terminated on ALERTone?

Screwed terminal blocks are provided at the rear of the ALERTone for terminating the cables. terminal blocks are protected by a metallic cover.

22. How does the ALERTone 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 LCD display. This self check takes about 5 minutes,after which the ALERTone 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 LCD display shows 'ALERTone READY'. When any connected Enose detector is active, The LED starts flashing and the Hooter is activated. The LCD indicates the tag no. of the active detector and location details. The Hooter can be stopped by pressing the ACK button on front panel. When acknowledged, the LED becomes steady and the alarm display starts scrolling. The above sequence repeats, when a new detector becomes active. When acknowledged, the new active detector details also is included in the scrolling LCD display. The alarm display disappears, when the detector is inactive. Alarms from up to 16 detectors can thus be realized on the LCD display on the front panel.

23. Can the LCD display custom built?

Yes. The display format shall be discussed with customers and incorporated.

24. What is your warranty terms?

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

25. Do you give after sale service?

Yes. LEDS 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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