LPG GAS DETECTOR

Functions
Raises audio visual alarm on detecting Liquefied Petroleum Gas (LPG) & Natural Gas

Technical Specification
- Inducing gas: Liquefied Petroleum Gas (LPG) & Natural Gas
- Operation voltage: 175V - 240V, 50Hz
- Alarm inducing density: 8%LEL (Lower explosivity level)
- Alarm Density Error: ± 5%LEL
- Buzzer Sound level: ≥70 dB at (1 meter)
- Operating environment: 0°C to +55°C
- Relative humidity: < 95%Rh
- Repeatability: Repeated test alarm density error : ±3%LEL
- AC Power Consumption: <3W
- Alarm mode: Flashing LED and sound alarm, and optional NO/NC contacts for raising remote alarm.
- Class II appliance.

Special Features
The gas detector can be installed stand-alone to raise an alarm in the event of leakage of combustible gas. The unit can also be used to raise additional remote alarm through network, using its NO/NC contact.

Installation
- The detector can be installed standalone and if desired, along with network function for remote warning.
  - Stand alone function: Install the unit at a suitable position with wiring as shown in fig. 1 for LPG Gas & fig. 2 for Natural Gas.
  - Network function: Connect the passive NO/NC contact of the detector to remotely located warning device together with the power supply.
- When switched ON the detector will be in self-check mode.
  The yellow LED will flash once.
- Subsequently the unit will pass into warm-up mode. The buzzer will sound “Di!”. The green LED will flash and later it will glow steadily, indicating that the unit is functioning normally.

Installation:

LPG Gas

Wiring diagram

Note: Location of Gas Detector to be within 1.5 meter of hemisphere of Gas Source and about 0.3 meter -1 meter from floor.

Natural Gas

Front and side view showing the over all dimensions in mm