# Airlight
## THINKING AHEAD

## Addressable Intelligent
## Gas Leak Detector
Model No - AA103LPG

Soft addressing

Built-in sounder

LED indicators for mains and alarm

Easy to install and elegant design

## Overview:

This Addressable Gas Leak Detector is designed to detect and alert the leak of flammable gases. These detectors employ a built-in sounder for warning the occupants. The alarming detector with a unique ID communicates to the control panel to alert the exact location of emergency. This aesthetically designed unit accentuates and upgrades safety standards of home by preventing accidents due to leakage of LPG.

## Specification

### Electrical Specifications

| | |
|---|---|
| **Power supply** | 24V DC |
| **Power consumption** | 1 W |
| **Sensitivity** | Butane LEL:1.8vd%/HEL(UEL):8.4vd%<br>Propane LEL:2.1vd%/HEL(UEL):8.4vd%<br>Methane LEL:5.0vd%/HEL(UEL):15vd% |
| **Detection distance** | LPG-30cm above the ground on the wall<br>Coal gas, Natural gas-30cm below ceiling |

### Indications

| | |
|---|---|
| **Warmup mode** | Flashing Green LED |
| **Standby mode** | Blinking Green LED(During Scan) |
| **Alarm mode** | Red LED(Glows Steady) |
| **Output** | Relay Contact<br>NO/NC |

### General Specifications

| | |
|---|---|
| **Sound level** | 80 dB at 1m |
| **Operating temperature** | 0ºC to 49ºC |
| **Storage temperature** | 5ºC to 40ºC |
| **Humidity** | 0-95% RH (Non-condensing) |
| **Color** | White |
| **Housing** | Polycarbonate |

### Complied with:

UL 2075

### Mechanical Specifications

| | |
|---|---|
| **Dimensions(HxWxD)** | 130x75X40mm |
| **Weight** | 220g |

130mm

40mm

75mm

DATASHEET

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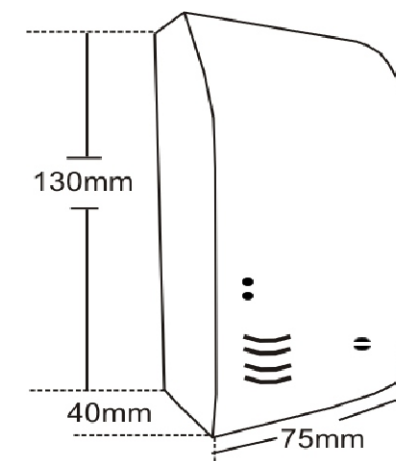
## Addressable Intelligent Flame Proof Gas Leak Detector
Model No - AA103FLPG



## Overview:

This Addressable Flame Proof Gas Leak Detector is designed to detect and alert the leak of flammable gases. The alarming detector with a unique ID communicates to the control panel to alert the exact location of emergency. This device mainly designed for gas bank at hotel, residential complex, Hotel kitchen, industries etc.,

## Specification
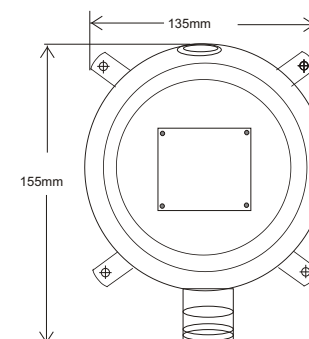
### Electrical Specifications

| | |
|---|---|
| **Power supply** | 17-27V DC |
| **Power consumption** | 1W |
| **Sensitivity** | Butane LEL:1.8 vd% / HEL(UEL):8.4 vd% |
| | Propane LEL:2.1 vd% / HEL(UEL):9.5 vd% |
| | Methane LEL:5.0 vd% / HEL(UEL):15 vd% |
| **Detection distance** | LPG - 30cm above the ground on the wall Coal gas, Natural gas - 30cm below ceiling |

Complied with:

**UL**<sub>2075</sub>

### General Specifications

| | |
|---|---|
| **Operating temperature** | 0ºC to 49ºC |
| **Storage temperature** | 5°C to 40°C |
| **Humidity** | 0-95% RH (Non-condensing) |
| **Wiring** | 2 Core |
| **Compatibility** | AU101X Protocol |
| **Type of protection** | Flameproof-Fp |
| **Area classification** | Safe area |
| **Apparatus standard** | IS-13947/93 |
| **Colour** | Red |

### Mechanical Specifications

| | |
|---|---|
| **Dimensions(HxWxD)** | 155x135x75mm |
| **Weight** | 3kg(Approx.) |
| **Material** | Aluminium Lm6 |
| **IP Protection** | IP 65 |
| **Finish** | Anti corrosive epoxy Powder coated |
| **Cable Entry** | 2 x 3/4" ET |
| **Gasket** | Neoprene |
| **Hardware** | Stainless Steel(SS-304) |

## DATASHEET

![Airlight THINKING AHEAD]

## Addressable Android
## Fire Alarm Control Panel With Voice Alarm-1 Loop
Model No - AN101FACP

- Event logs
- Built-in Voice alarm with pre-recorded messages
- 2 Level Password protection
- 7"Graphic display
- Network versions available
- Transient voltage protection upto 2.4KV

- Android OS
- Touch screen control
- Uncompromising graphical experience
- Loop card extension facility in 2 & 4 loop panels
- High-tended emergency info.in the form of text, voice & floor map
- Corrosion protection

## Overview:

This Fire alarm control panel is a master unit of fire alarm system. Control panel front-end has a interactive display with touch screen control. Back-end has connectivity for fire detection line and audio notification line. Total system works on 24V DC. Panel has built in 230V to 24V power supply unit. This unit has built in battery charger and provision for SMF battery.

## Specification

### Electrical Specifications

| | |
|---|---|
| **Primary Power** | 110V/220V±10% AC, 60/50Hz |
| **Standby Power** | 24V DC (12V, 7Ah SLA Battery,2Nos) |
| **Charging Voltage** | 28 ± 1V |
| **Charging Current** | 1A (max) |
| **Operating Temperature** | 0° C to 49° C |
| **Humidity** | 0-95% RH (Non-condensing) |
| **No Of Zones** | 32(Max) |
| **No of Loops** | 1 |

### Signaling line circuits

| | |
|---|---|
| **Loop Current** | 250 mA/loop |
| **Wiring** | Class B, Style 4 Wiring |
| **Loop Resistance** | 40 ohms |

### Devices Per Loop

| | |
|---|---|
| **Initiating Devices** | 127 |
| **Loop Resistance** | 40 ohms |
| **Auxiliary Supply** | 480 mA @ 24V DC |

### Fuses

| | |
|---|---|
| **Supply Fuse** | 3 A Resettable fuse |
| **Battery Fuse** | 3 A Resettable fuse |
| **SLC Fuse** | 500 mA Resettable fuse |
| **Auxiliary Supply Fuse** | 500 mA Resettable fuse |
| **Display Resolution** | 800X480 Pixels |
| **Display Size** | 7" |
| **Compatibility** | AU101X/ AUAA2X / ALPA2XV1 / ALAW2XV1 Protocol |

### Finish

| | |
|---|---|
| **Enclosure Dimensions (HxWxD)** | 460x390X130 mm |
| **Housing Material** | 16 Gauge Cold Rolled sheet |
| **Back Box** | Black Matte |
| **Front Door** | Texture Red |

### Complied with:

**UL** 864-9th Edition

DATASHEET

# Airlight
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# Conventional
# Gas Leak Detector
Model No - AC103LPG

Built-in sounder

LED indicators for mains and alarm

Easy to install and elegant design

## Overview:

This Conventional Gas Leak Detector is designed to detect and alert the leak of flammable gases. These detectors employ a built-in sounder for warning the occupants. The alarming detector communicates to the control panel to alert the Zone of emergency. This aesthetically designed unit accentuates and upgrades safety standards of home by preventing accidents due to leakage of LPG.

## Specification
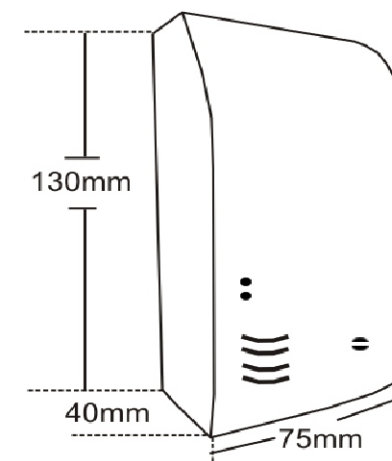
### Electrical Specifications

| | |
|---|---|
| **Power supply** | 24V DC |
| **Power consumption** | 1 W |
| **Sensitivity** | Butane LEL:1.8vd%/HEL(UEL):8.4vd% Propane LEL:2.1vd%/HEL(UEL):8.4vd% Methane LEL:5.0vd%/HEL(UEL):15vd% |
| **Detection distance** | LPG-30cm above the ground on the wall Coal gas, Natural gas-30cm below ceiling |

### Indications

| | |
|---|---|
| **Warmup mode** | Flashing Green LED |
| **Standby mode** | Blinking Green LED(During Scan) |
| **Alarm mode** | Red LED(Glows Steady) |
| **Output** | Relay Contact NO/NC |

### General Specifications

| | |
|---|---|
| **Sound level** | 80 dB at 1m |
| **Operating temperature** | 0ºC to 49ºC |
| **Storage temperature** | 5ºC to 40ºC |
| **Humidity** | 0-95% RH (Non-condensing) |
| **Color** | White |
| **Housing** | Polycarbonate |

### Mechanical Specifications

| | |
|---|---|
| **Dimensions(HxWxD)** | 130x75X40mm |
| **Weight** | 220g |

130mm
40mm
75mm

# Airlight
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## Conventional Flame Proof
## Gas Leak Detector
Model No - AC103FLPG



## Overview:

This Conventional Flame Proof Gas Leak Detector is designed to detect and alert the leak of flammable gases. The alarming detector communicates to the control panel to alert the Zone of emergency .This device mainly designed for gas bank at hotel, residential complex, hotel kitchen, industries etc.,



135mm

155mm

## Specification

### Electrical Specifications

| | |
|---|---|
| **Power supply** | 24 VDC |
| **Power Consumption** | 1 W |
| **Sensitivity** | Butane LEL:1.8vd%/HEL(UEL):8.4vd% Propane LEL:2.1vd%/HEL(UEL):9.5vd% MethaneLEL:5.0vd%/HEL(UEL):15vd% |
| **Detection distance** | LPG-30cm above the ground on the wall coal gas, natural gas-30cm below ceiling |

### General Specifications

| | |
|---|---|
| **Operating temperature** | 0ºC to 49ºC |
| **Storage temperature** | 5°C to 40°C |
| **Humidity** | 0-95% RH (Non-condensing) |
| **Wiring** | 2 Core |
| **Type of protection** | Flameproof-Fp |
| **Area classification** | Safe area |
| **Apparatus standard** | IS-13947/93 |
| **Colour** | Red |

### Mechanical Specifications

| | |
|---|---|
| **Dimensions(HxWxD)** | 155x135x75mm |
| **Weight** | 3kg(Approx.) |
| **Material** | Aluminium Lm6 |
| **IP Protection** | IP 65 |
| **Finish** | Anti corrosive epoxy Powder coated |
| **Cable Entry** | 2 x 3/4" ET |
| **Gasket** | Neoprene |
| **Hardware** | Stainless Steel(SS-304) |

# DATASHEET

# Conventional- 2 Zone
# LPG Leak Alarm Panel
Model No -ALPG201ZT

## Overview:

This micro controller based conventional LPG Leak Alarm panel is easy to install and maintain by the user. It has simple LED indication and touch control switch. This unit is designed for small application and budget friendly. Since it has very less hardware, chances of failures are also very less. This panel can be used with all standard brand conventional devices.

| | |
|---|---|
| LED as indicators | Built-in battery charger |
| Auto isolate zone when short circuit occurs | Zone isolate control |
| Supervised NAC output | Two form C potential free contact |
| Low battery visual warning with audible tone | Lamp test facility |

## Specification

### Electrical Specifications

| | |
|---|---|
| **Primary power supply** | 220V/110V ±10%AC, 50/60Hz |
| **Secondary power supply** | 24VDC (2nos of 12V, 1.3/7Ah SLA battery) |
| **Battery charging current** | 500 mA(max) |
| **Battery Charging Voltage** | 28 ±1V |

### General Specifications

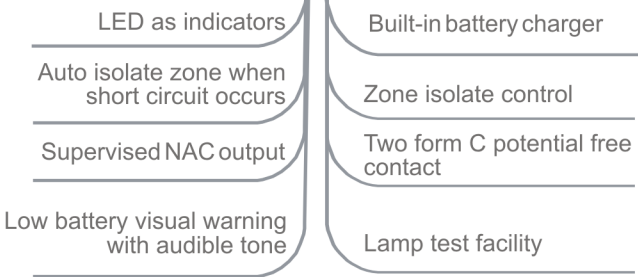| | |
|---|---|
| **Operating temperature** | 0ºC to 49ºC |
| **Storage temperature** | 5ºC to 40ºC |
| **Humidity** | 0-95% RH (Non-condensing) |
| **Housing** | 16 guage cold rolled sheet metal powder coated |

### Initiating Device Circuit(zone circuit)

| | |
|---|---|
| **Normal voltage** | 24V DC |
| **Alarm current** | 25mA(max)/zone |
| **Short circuit peak current** | 48mA(max) |
| **Short circuit peak current** | 48mA(max) |
| **End of line Resistor** | 4.7KΩ ½ watt |
| **Detectors per zone** | 20 |

### Relay Contact Rating

| | |
|---|---|
| **Fire relay** | 2A@24VDC |
| **Fault relay** | 2A@24VDC |
| **NAC output** | 480mA@24VDC |

### Mechanical Specifications

| | |
|---|---|
| **Dimensions(HxWxD)** | 342x275X70mm |

# Airlight
## THINKING AHEAD

# Conventional- 4 Zone
# LPG Leak Alarm Panel
Model No -ALPG401ZT

## Overview:

This micro controller based conventional LPG Leak Alarm panel is easy to install and maintain by the user. It has simple LED indication and touch control switch. This unit is designed for small application and budget friendly. Since it has very less hardware, chances of failures are also very less. This panel can be used with all standard brand conventional devices.

| | |
|---|---|
| LED as indicators | Built-in battery charger |
| Auto isolate zone when short circuit occurs | Zone isolate control |
| Supervised NAC output | Two form C potential free contact |
| Low battery visual warning with audible tone | Lamp test facility |

## Specification

### Electrical Specifications

| | |
|---|---|
| **Primary power supply** | 220V/110V ±10%AC, 50/60Hz |
| **Secondary power supply** | 24VDC (2nos of 12V, 1.3/7Ah SLA battery) |
| **Battery charging current** | 500 mA(max) |
| **Battery Charging Voltage** | 28±1V |

### General Specifications

| | |
|---|---|
| **Operating temperature** | 0ºC to 49ºC |
| **Storage temperature** | 5ºC to 40ºC |
| **Humidity** | 0-95% RH (Non-condensing) |
| **Housing** | 16 guage cold rolled sheet metal powder coated |

### Initiating Device Circuit(zone circuit)

| | |
|---|---|
| **Normal voltage** | 24V DC |
| **Alarm current** | 25mA(max)/zone |
| **Short circuit peak current** | 48mA(max) |
| **Short circuit peak current** | 48mA(max) |
| **End of line Resistor** | 4.7KΩ ½ watt |
| **Detectors per zone** | 20 |

### Relay Contact Rating

| | |
|---|---|
| **Fire relay** | 2A@24VDC |
| **Fault relay** | 2A@24VDC |
| **NAC output** | 480mA@24VDC |

### Mechanical Specifications

| | |
|---|---|
| **Dimensions(HxWxD)** | 342x275X70mm |

# Airlight
## THINKING AHEAD

# Standalone
# Gas Leak Detector
## Model No - AS105LPG

Built-in sounder

LED indicators for mains and alarm

Easy to install and elegant design

## Overview:

This Standalone Gas Leak Detector is designed to detect and alert the leak of flammable gases. These detectors employ a built-in sounder for warning the occupants. This aesthetically designed unit accentuates and upgrades safety standards of your home by preventing accidents due to leakage of LPG.

## Specification

### Electrical Specifications

| | |
|---|---|
| **Power supply** | 220V 10% AC, 50Hz |
| **Power consumption** | 1 W |
| **Sensitivity** | Butane LEL:1.8vd%/HEL(UEL):8.4vd%<br>Propane LEL:2.1vd%/HEL(UEL):8.4vd%<br>Methane LEL:5.0vd%/HEL(UEL):15vd% |
| **Detection distance** | LPG-30cm above the ground on the wall<br>Coal gas, Natural gas-30cm below ceiling |

### Indications

| | |
|---|---|
| **Warmup mode** | Flashing Green LED |
| **Standby mode** | Blinking Green LED(During Scan) |
| **Alarm mode** | Red LED(Glows Steady) |
| **Output** | Relay Contact<br>NO/NC |

### General Specifications

| | |
|---|---|
| **Sound level** | 80 db at 1m |
| **Operating temperature** | 0ºC to 49ºC |
| **Storage temperature** | 5ºC to 40ºC |
| **Humidity** | 0-95% RH (Non-condensing) |
| **Color** | White |
| **Housing** | Polycarbonate |

### Mechanical Specifications

| | |
|---|---|
| **Dimensions(HxWxD)** | 130x75X40mm |
| **Weight** | 220g |

130mm

40mm

75mm