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Control Panel For Addressable Automatic LPG Detection and Alarm System

Model-AL-LPGCP-101L

Features :

- Two-wire system for power, data, forward and reverse audio signaling.
- Automated text to speech for voice alarm without use of pre recorded voice file Interactive 7" inch display with touch screen control
- Digital audio communication without use of conventional audio amplifier
- Automated Integrity check on wiring, individual devices each and every devices used in a system. .
- Minimal hardware, to reduce failure rate, and plugin modules for easy service.
- Onsite configuration can be done directly through panel display.

Complied with
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Overview:

An addressable LPG control panel serves as the central control and monitoring system for LPG gas leak. This latest version of the control panel is equipped with advanced artificial intelligence technology and requires minimal hardware to provide an intelligent and efficient automated LPG leak detection and warning system.

This Control Panel supports all fire safety standards Integrity functional features. Such as automatic healthiness of wiring connectivity, all devices connectivity and its healthiness.

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User friendly configuration for initial setup and modifications as and when required:

Entire configuration can be done on front panel touchscreen display to set up the system. And modifications can also be done.

Power Supply for the System:

The Control Panel and devices operate on a 24- volt power supply. The control panel is designed to accommodate both external and built-in power supply options.

External Power Supply:

The control panel has a provision to directly connect a 24-volt external power supply. This supply can be sourced from the nearest fire alarm panel or any other compatible source. The objective is to reduce `dependence,save space, and minimize costs.

Built-in Power Supply:

The control panel is also equipped with a built-in power supply unit capable of converting 230 volts AC supply to 24 volts DC.

Electrical Specifications

Primary Power	220V±10 % AC
Standby Power	This control panel has provision to place 12Volts , 18Ah Battery - 2nos, with built-in charger for backup. The user shall calculate backup Power requirement and choose suitable capacity Battery.
No. of Loop	1
Maximum Signal Loop Current	1.2 Ampere
Loop Resistance	40 ohms
Wiring	2 core cable
Wiring Type	Class A / Class B Style

Mechanical Specifications

Enclosure Dimensions (H x W x D	550x380x125 mm
Front door Dimensions (H x W x D)	560x393x11 mm
Housing Material	16 Gauge Cold Rolled sheet
Black box	Black Matte
Front door	Texture Yellow