SUMONA

OFFICE AUTOMATION

SMART LPG-NATURAL GAS MONITORING SYSTEM

Smart LPG - Natural Gas Monitoring System

Wi-Fi based **LPG-Natural Gas** monitoring system is a unique & versatile **Smart product**. It gives the user liberty to **remotely monitor LPG, PNG, CNG** in a room from **anywhere in the world** using their smart phones and/or through a centralized location through their desktops. Each smart device can be **configured via Mobile** App for a threshold value so that incase the set gas accumulation breaches the set value it send the **Alert notification** to the authorized user/s. The **easy to use** mobile app, provides a **dashboard** through which use remotely observe the gas accumulation of the room at a particular instance and also can view a **graphical report** for entire months period. The report can also be **exported to Excel** for further usage/record keeping.

Optionally this smart device can be connected with an **external Alarm system**, which can alert nearby people in case there is a breach of set temperature. This smart device can also get **integrated** with a **smart display** through which user can monitor the temperature from anywhere using a smart wall mount display.

This product is highly recommended for **Indusrrial, factory environment**.

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Smart Air Quality Monitoring System

Physical Specifications	
Part Number	IESMW5A2
Dimensions (mm)	94 x 50 x 30
Weight(g)	100
Mountable	Wall Mountable

Operating Specifications	
Operating Voltage	200 ~ 270 VAC
Operating Temperature	0 ~ 50 °C

Technical Specifications	
Communication	WiFi
Antenna	Inbuilt Chip Antenna

Sensor Specifications	
LPG gas Range	100 PPM to 10,000 PPM
PNG-CNG gas Range	100 PPM to 10,000 PPM
CO gas Range	10 PPM to 3000PPM
Hydrogen gas Range	10 PPM to 3000PPM

Relay Specification
5 ampere potential free relay for Interfacing with External Sound Alarm or HVAC

Enclosure
ABS Mold

Messaging
MQTT (SSL Secured)

Wiring Diagram
Plug into any AC outlet with 220V AC

Youtube Links
https://youtu.be/L2jGmIlEoG0 (Smart LPG-Natural Gas Monitoring System Demo)
https://youtu.be/vaip3K1qd0k (Using Sumona's Mobile App)