

Lineage Remote Monitoring System (LRMS)

Introduction

The Lineage Power's RMS is a remote monitoring system with built-in intelligence to optimize equipment efficiency and reduces operating cost. The solution captures all the passive infrastructure data and communicates to a Tower operating center. Remote Power plant monitoring, AC and DC energy metering and battery management facility provides the system a complete solution to the user. The system not only provides common analog/digital inputs and outputs, but also does fuel level monitoring, Temperature & Humidity Monitoring, Access control, Inventory data management, air-conditioner control, free cooling operations which will be added advantage for optimize the site running cost. The information and alarms, from a specific site, can be monitored and controlled remotely through GPRS. The central server allows several sites to be monitored at same time. It's possible to see real time data, chart, table, alarm and statistics on web browser and thus eliminate to having go to the site often. Moreover, the LRMS can communicate with Lineage or 3rd party intelligent equipment via its serial port through MODBUS. The solution is a monitoring and control unit designed for global use, achieving high telecom standards, and providing great flexibility and expandability.

Features

- Fuel Level monitoring with pilferage and diesel filling alert
- Door access control through I-button
- Site alarm management
- GPRS modem for remote transmission of data to remote server with customer TOC
- Asset management through RFID
- Event Log for last 500 events with date & time stamp
- Front access to RS232 port for programming the controller parameters
- AC and DC Energy Metering
- Shunt Box for DC energy Measurement
- CT with Voltage sensing for AC Line measurement.
- Compact and Flexible Options
- AC and DC Distribution Options

Optional features

- Alarm Multiplier Box
- Extended Battery for Controller
- DC Distribution Box
- Shunt Box f
- Web based data monitoring through customer defined TOC
- Option to control the Air-con remote ON/OFF
- Remote DG ON/OFF
- Email and SMS alert
- Camera interface (Picture only)

Applications

- Wireless Cell legacy Sites



Benefits:

- Low Initial cost
- Low OPEX cost
- Suitable for unmanned sites

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Measurements

- Mains
 - ✓ 3Ø Voltage, Current, Power and Energy consumption and Run hours
- DG
 - ✓ 3Ø / 1Ø Voltage, Current, Power and Energy consumption and Run hours
 - ✓ Fuel indicator
- Battery Voltage, battery current and run hours
- Temperature
- Humidity

Monitoring and control

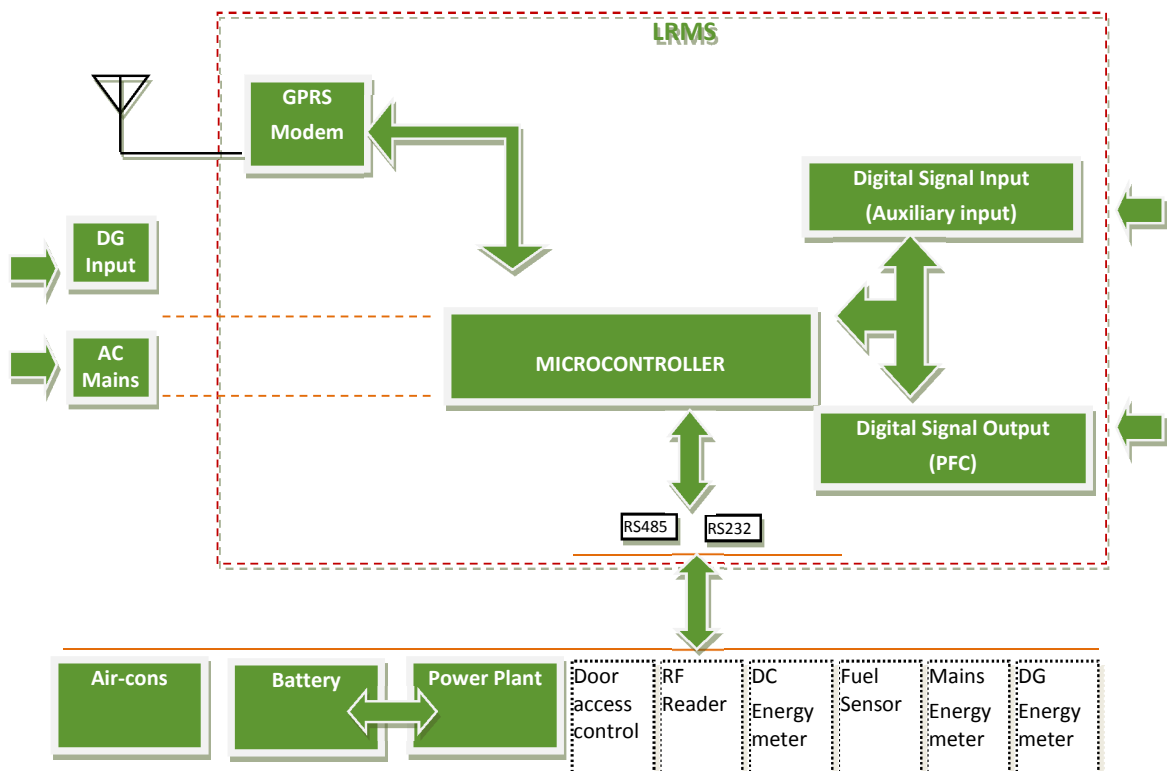
- DG ON/OFF (optional)
- Shelter and DG canopy temperature setting
- Real-time monitoring of DG Fuel levels
- Door access control (ON/OFF)

- RF tag readers

Reports

- Energy consumption
 - ✓ AC Mains, DG, Operator wise DC energy
- Run Hours, Daily/Monthly
 - ✓ AC Mains, DG, Battery, Air-conditioner, Free cooling unit
- Real time fuel consumption
- Battery charge and discharge cycle hour counter and depth of discharge
- Alarm management and report
- Routine maintenance alerts and reports
- Inventory/asset management report

Simplified Layout Diagram



With our wide range of product offerings along with extensive application notes, development tools, pre and post-sales support including technical support, Lineage Power can provide a total solution to your current and future powering needs.

For further information please write to us: Sales@lineagepowersystems.com

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