REMOTE MONITORING UNIT

DESCRIPTION

Remote monitoring unit (RMU) is a Dual SIM GSM – GPRS Remote monitoring system. It is a versatile product which can monitor multiple peripheral devices on RS48 5 and RF interfaces.

The integration of RF adds to its modularity and facilitates adding additional companion devices. RMU is integrated with a high end online customized web application, designed for real-time alarm & performance monitoring of Infrastructure/equipment. RMU can capture various parameters from peripherals connected like Fuel consumption, Air Conditioner Performance, DC Energy Consumption, EB Parameters, Fire alarms, theft alarms, door alarms, Access Control, Asset movement, Operational features of pumping stations, Battery banks, Weather Sensing devices, Remote Bore wells, Substations, Transformers, and many such equipment's based on the application.

The data transmission is done on public GSM/GPRS cellular network to the central station.

FEATURES

1. Low Power consumption, Battery backup, RTC enabled.
2. Remote monitoring System with Quad Band GSM GPRS technology
3. Dual SIM capability
4. Over the air programming (OTA) feature
5. Two analogue 4-20mA inputs
6. Data Interfaces RS-485, Ethernet and RF (IEEE 802.15.4)
7. Operates from 20V-60V DC
8. 16X2 LCD display with 8 key interfaces
9. Bi-directional Communication
10. Capable of sending SMS/email during events directly to the respective personnel apart from also alarm packets to the Server.
11. LED status indications for the GPRS, G SM, RF, RS485 and RS232
12. Compact and easy to install.

TYPICAL RMU – CELL SITE MONITORING SOLUTION ARCHITECTURE

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