AUTOMATIC METER READING

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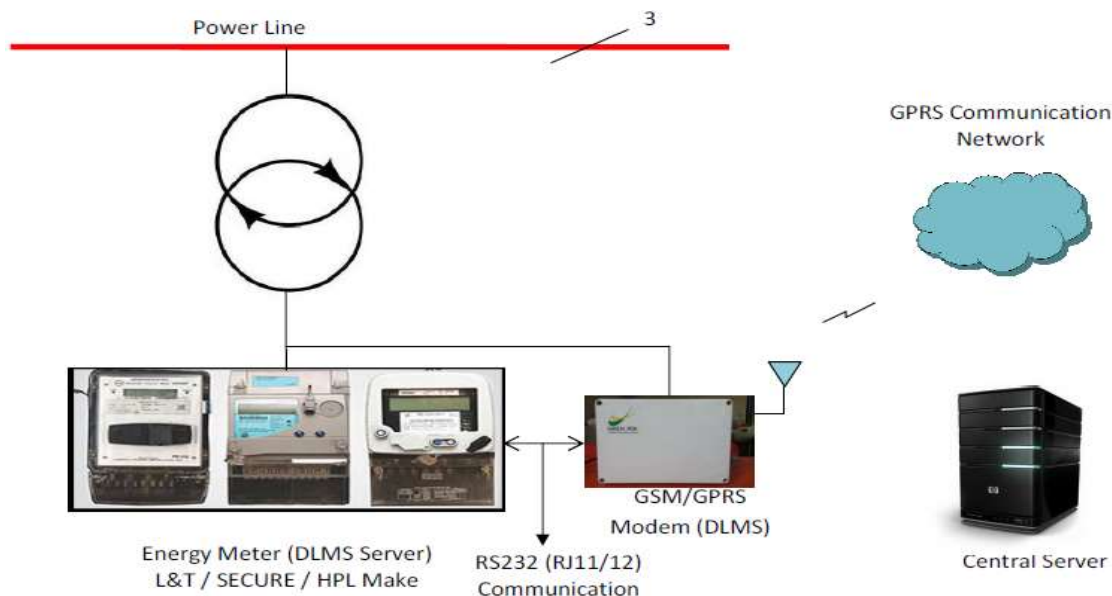
Introduction

GSM/GPRS Modem is an intelligent device connected to an Electronic Energy Meter by means of RS-232 (RJ11 / 12). This modem is installed at various consumer premises / Substations / Distribution Transformers to collect data. It's a perfect solution for Remote Data Transfer and Automatic Meter Reading (AMR).

Architecture

Features:

- Plug and Play – No need to configure even if the Meter is replaced in the field
- Inbuilt 3-phase as well as single phase
- Automatic pushing of meter data at preconfigured intervals
- Customized real time alerts for 2 field personnel's mobile numbers (default disabled).
- Instantaneous Tampering and outage alerts
- Internal RTC
- RS232 communication between Modem and Energy Meter
- Data communication through GSM/GPRS.
- Automatic GPRS connection (no AT commands required) and watch dog for reliable communication.
- Both inbound and outbound communication.
- Customization to specific utility demands. Compatible with various standard meters, direct interface.
- Continuously monitors the Meter and log the data as required.
- Error/exception handling.
- Remote configuration through SMS.
- Compliance to DLMS/COSEM protocols.
- Mains Failure Alert and No Load Indication (Optional)
- BITF (Built-in Test Feature).
- DOTA (Download over the Air).
- The following parameters can be read as per standard BIS-ICS-ETD 13-6211-Apr2010.
    - Name Plate Details, Instantaneous Parameters, Load Survey Data
    - Billing Data, Event Data, Mid Night Data
    - Balance adding, Slab setting/Reading

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