MSYSTEM

Web Data Logger DL8 Series
Web-Enabled Remote Terminal Unit for Monitoring, Event Reporting and Data Logging

DL8 Series APPLICATION EXAMPLES

RESORT HOTEL

Applicable Area : Building management

Application : Power monitoring of resort hotels

■ The DL8, using mobile service, is installed to the power receiving equipment, which is located outdoors. It is used to monitor the various power loads in the hotel and record the data.

■ For the measurement of electrical power, the client used either the Multi Power Input Module (model: R3-WTU) of the Remote I/O R3 Series, or the Multi Power Monitoring Module (model: R7EWTU) of the Remote I/O R7 Series for a small number of circuits.

■ The power, current, and watthours measured by the R3-WTU or R7EWTU are collected by Modbus/TCP communication on the DL8 and displayed on the web screen.

■ By using the FTP client function of the DL8, the data (CSV files) is regularly uploaded to the computer and saved to a PC installed in the hotel's office.

What's the focus?

● Using a mobile line, a complete system can be developed economically.

● The CSV files transferred to the computer by FTP can be used to make reports for the visualization of electric power.

● In the future, remote I/O will be expanded, allowing maintenance through the collection of data for ancillary equipment such as boiler facilities in addition to electrical equipment.

Outdoor Power Receiving Equipment

Mobile Router

DL8 (type C)

Mobile Line — ISP — **INTERNET** — ISP

Hotel Office

PC

ADSL Router

Data Logging

CSV Data accessed through FTP

ISP: Internet service provider

Modbus/TCP

Multi Power Input Module (model: **R3-WTU**)
Power, current, watthours

Multi Power Monitoring Module (model: **R7EWTU**)
Power, current, watthours

Multi Power Monitoring Module (model: **R7EWTU**)
Power, current, watthours