Emerson Power Equipment And Environment Monitoring System

Emerson Power Equipment and Environment Monitoring System is applicable to monitoring in real time and managing in unity power supply equipment (power system, battery, UPS, generator and low-voltage distributor), air-conditioning equipment and environment (door alarm, temperature, humidity, smoke detection, water immersion, infrared and scene) in telecom exchanges and base stations.

After 9-year development and optimization, Emerson monitoring system has become a total solution including hardware, software and transmission products. The monitoring solution can be customized to adapt to different regions, different maintenance management mechanisms, different exchanges and different transmission resources. The solution can meet the demands of monitoring the whole power equipment, environment and security of both fixed and mobile telecom networks.

Series
- Emerson power equipment and environment monitoring system
- Single version system

Applications
- Power equipment and environment monitoring system
  Applicable to monitoring power equipment, environment and security in exchanges, mobile base stations, transmission relay stations, microwave communications stations and satellite communications stations.
- Single version system
  Used for the situation that only one SC needed and less equipments in every site

Features Of Monitoring Center
- Monitoring center SC consists of database server, console, printer and auxiliary equipment
  The server collects, saves, analyzes and manages all monitoring data from monitoring end office SU. It gives various alarms (sound & light alarm, large LED display, email, message, etc.) in case of monitored object’s failure.
- Flexible Transmission Networking
  Monitoring center SC, monitoring station SS and monitoring end office SU can form a wide area network through IP, 2M, DDN, ISDN, PSTN and WAN.
- Monitoring End Offices’ LAN
  - SU and SM form together a collection sub-system and a monitoring LAN.
  - SU host processes and distributes collected data, e.g. it transfers control orders and analyzes real-time monitoring data and alarms.
  - SM consists of data collector and intelligent equipment. SM collects data, pre-processes and communicates with SU. It also controls monitored objects according to orders from up stream SU.
**Configuratin of standard SU (medium & small)**
- Standard small and medium SU consists of intelligent protocol processor OCE, data collector and sensor, etc.
- When the intelligent or non-intelligent equipment are less than 5, the data collectors will be linked by the same bus and communicate with multi end offices' server
- Suitable for local telecom offices, modular offices and mobile base stations

**Configuratin of enhanced SU (large)**
- Large SU consists of multi end offices' server, data collector and sensor
- When the collection equipment and intelligent equipment occupy more than 8 serial ports, SU is equipped with a monitoring server
- Suitable for exchange hubs, local exchanges and tandem exchanges, or large exchanges/base stations that need management

### Dimensions And Weight

<table>
<thead>
<tr>
<th>Model</th>
<th>L x W x D (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDA-48(D)/IDA-24(D)</td>
<td>420 × 270 × 130</td>
<td>4</td>
</tr>
<tr>
<td>IDA-48(D)/IDA-24(D)</td>
<td>240 × 270 × 130</td>
<td>2</td>
</tr>
<tr>
<td>OCE</td>
<td>128 × 130 × 30</td>
<td>0.26</td>
</tr>
<tr>
<td>OCI-6</td>
<td>128 × 130 × 30</td>
<td>0.5</td>
</tr>
<tr>
<td>DCU</td>
<td>340 × 270 × 50</td>
<td>3.2</td>
</tr>
<tr>
<td>SDA</td>
<td>128 × 130 × 30</td>
<td>0.5</td>
</tr>
</tbody>
</table>

Emerson Power Equipment And Environment Monitoring Software V4.39
Emerson IP Video Monitoring Software V2.1