INTRODUCTION

MEPOS Smart Street Lighting Control System (LoRa)

- Wireless Control - LoRa
- Remote Control via Internet / GPRS
- Timer / Dimming Control
- Programmable Smart LED Drivers
### Characteristic

1. **Street lamp control**: Check the running conditions of all the site equipment in real time and retrieve accurately the real-time data of all the equipment.

2. **Map monitoring**: Display accurately the running conditions of each site equipment on the map and conduct the real-time operations.

3. **Remote meter reading**: Conduct the remote meter reading according to the state grid protocol, reading accurately various electric quantity parameters.

4. **Energy consumption analysis**: Set up various energy-consumption threshold values. Display the energy consumption conditions accurately and conduct the comparison.

5. **Fault alarming**: Monitor the running conditions of the site equipment and conduct the real-time alarming and analysis without delay when discovering any abnormal situations. It supports the manual alarming, sending the alarm to the designated person in the form of the short message or e-mail.

6. **Strategic management**: Formulate various automatic control ways, achieving the unmanned running.

7. **Report management**: Inquire accurately the historical records of the site equipment, achieving the data traceability.

8. **Basic information**: Manage the various equipment in the platform and set up the parameter threshold values of the equipment.

9. **Permission management**: Manage the login accounts.
Solution 3

LORA control solution

Internet

Ethernet/2G/3G/4G

SERVER

Remote app

PC

app

LORA

http://www.MeposPower.com
Characteristics

- Downlink uses LORA communication module, uplink through GPRS and server connection.

- Ultra long distance wireless communication, LORA visual transmission distance of up to 5000 meters.

- Can manage up to 200 ROLA routing nodes: 8 ways I/O control.

- Working temperature: -40°C~+80°C.

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Characteristics

- LORA wireless communication mode, unique networking mode, high reliability.

- 0-10V dimming output interface (PWM can be customized, maximum 3 PWM output).

- LED drive power, output current, voltage, power, power remote reading function.

- LED lamp failure detection, failure information initiative reporting function.

- Waterproof rating IP67.
Intergrated Smart LED driver

<table>
<thead>
<tr>
<th>integrated led driver</th>
<th>Power</th>
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<tbody>
<tr>
<td>KLPA40JV-OS-L Series</td>
<td>40W</td>
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<td>KLPA160JV-OS-L Series</td>
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<tr>
<td>KLPA250JV-OS-L Series</td>
<td>250W</td>
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</tbody>
</table>

- Traditional LED drive equipped with intelligent LORA module, save installation costs.
- Ultra long distance wireless communication, LORA visual transmission distance of 1000-5000 meters.
- For different power terminals, there are 40~250W power smart power options.
- Waterproof grade IP67, the LED Driver meets all the quality requirement.
MEPOS ELECTRONICS LTD.
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