

Hardware

Wireless Controller

AC Power Supply Series (LCU12Z, LCU16Z, LCU12M, LCU16M)

● Features

- Zigbee communication: frequency of 915MHz / 2.4GHz
- 96V-264V AC input (96V-400V is customizable)
- Current, voltage, power, power factor, power consumption remote reading
- Remote switching on/off, dimming
- Lighting time statistics, fault time statistics, power accumulation remote reading
- Fault alarms: lamp failure, power failure, compensation capacitor failure, pole leakage, node lost, relay failure, under voltage, over voltage, over current, lamp high temperature, lamp life-time warning
- 0-10V and PWM dimming

DC Power Supply Series (LCU51Z, LCU51ZS)

● Features

- Zigbee communication: frequency of 915MHz / 2.4GHz
- DC input: 12V-60VDC/5A, 12V/30mA, 12-36VDC/50mA
- Current, voltage, power, power factor, power consumption remote reading
- Fault alarms: lamp failure, node lost, under voltage, over voltage, over current, lamp high temperature, lamp life-time warning



LCU12Z
172mm*56mm*40mm



LCU15ZS
65mm*60mm*32mm



LCU51G
65mm*60mm*32mm



LCU16Z
Height98mm*Diameter84mm

Hardware

RS485 based Lamp Controller (for Tunnel Lighting)

AC Power Supply Series (LCU12, LCU15, LCU22)

● Features

- PLC communication
- 96V-264V AC input (96V-400V is customizable)
- Current, voltage, power, power factor, power consumption remote reading
- Remote switching on/off, dimming
- Lighting time statistics, fault time statistics, power accumulation remote reading
- Fault alarms: lamp failure, power failure, compensation capacitor failure, pole leakage, node lost, relay failure, under voltage, over voltage, over current, lamp life-time warning
- 0-10V and PWM dimming



LCU12
172mm*56mm*40mm



LCU22
117mm*64mm*64mm

Hardware

RS485 based Lamp Controller (for Tunnel Lighting)

Lamp Controller (LCU12R)

● Features

- RS485 Communication
- 176V-242V AC input
- Current, voltage, power, power factor, power consumption remote reading
- Remote switching on/off, dimming
- Fault alarms: lamp failure, power failure, node lost, relay failure, under voltage, over voltage, over current, lamp high temperature, lamp life-time warning (different items has different alarms)
- 0-10V and PWM dimming

Signal Controller (SCU02)

● Features

- For tunnel lighting project
- RS485 communication, fast and stable
- Automatic management for lamp controllers in group
- IP Grade: IP67



LCU12R
172mm*56mm*40mm

● Parameters

- Operating Temperature: -40-85°C
- Relative Humidity: <95%
- IP Grade: IP67

PLC Communication Parameter

- Modulation Mode: BPSK
- Carrier Center Frequency: 132kHz
- Communication Rate: 5500bps
- Receiver Sensitivity: -80dB~-60dB

Zigbee Communication Parameter

- Communication Frequency: 2.4GHz/915MHz
- Protocol: IE EE802.15.4 Standard
- Communication Rate: 250Kbps

RS485 Communication Parameter

- Communication Mode: Master-slave
- Communication Rate: 9600bps
- Communication Format: 8 data bits, 1 stop bit, EVEN