



iCell

DALI, DALI2.0, ZIGBEE Wireless Lamp Controller



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DALI, DALI2.0, ZIGBEE Wireless Lamp Controller LCU2000

Product Description

- RF communication, auto-Mesh
- Zigbee communication, auto-mesh, frequency of 2.4Ghz
- With standard Zhaga interface for easy installation
- Standard NEMA 7 pins interface for easy installation
- Frequency range 902MHz ~928Mhz, 10 channels
- Support DALI2.0 communication interface, connecting with communication power supply
- Remote switch on/off, maximum internal 16A relay outputs
- Dimming interface: DALI Dimming or 0-10V
- On/off dimming scheduled running with concentrator / gateway
- Remote reading functions current, voltage, power, power factor, electric energy
- LED lamp failure detection function
- Intuitive fault reporting functions
- Lightning protection function
- Waterproof rating: IP65

Option

- Built-in GPS
- Built-in photocell
- Built-in tilt sensor

Application

- Single Lamp, LED Drive Power
- Tunnel Lighting, Street Lighting, Landscape Lighting
- LED driver with 2 DC outputs and communication function

Control Communication Mode

- **Communication Mode** Single wire communication
- **Communication Method** DALI, DALI2.0, ZIGBEE
- **Matched Device Support** DALI2.0 driver with communication function



Technical Specifications

PARAMETER	VALUE	
RELAY PARAMETER		1 Route, 250V/16A
AC Input Parameter	Voltage Range	96V - 264VAC
	Frequency Range	50 - 60Hz
	Current Range	0 - 2A
	Static Power Consumption	<2W
AC Output Parameter	Voltage Range	AC Input Voltage
	Frequency Range	50 - 60Hz
	Current Range	0 - 2A
	Maximum Load Power	≤400W
DC Output Parameter	Rated Voltage	20V-36V
	Average Operating Current	50mA
	Instantaneous Current	100mA
DATA READ INSTRUCTIONS		
Voltage Detection Range	96V - 264V AC	
Current Detection Range	0 - 2A	
Data Detection Accuracy	≤3%	
Active Statistics	Yes	
Power Factor Calculated	Yes	
Energy Statistics	Power Accumulated Daily	
DIMMING MODE		
Dimming Mode	DALI	Analog Voltage
Output Parameters	16V, 20mA	0 -10V/10mA
Explanation	Without dimming to open function	Preset 100% Dimming for 10V, or 0V Output
OTHER FUNCTIONS		
Fault Information Reporting	Initiative and Enquiry Report	
Lamp Failure Information	Lamp Failure	
COMMUNICATION PERFORMANCE		
Communication Mode	RF	
Route Pattern	MESH	
Communication Distance	200M (Visual Range)	
Frequency	915MHz	
Frequency Range	902MHz - 928MHz	
Frequency Channel Quantity	10 Channels	
Communication Rate	250Kbps	
BASIC OPERATING ENVIRONMENT		
Temperature	-40°C ~ +85°C	
Relative Humidity	<95%	
IP Rating	IP65	
Dimensions	Diameter 84mm, Height 98mm	
Weight	242g	



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