LTE NEMA
LAMP CONTROLLER

MODEL: LCU16LTE

Application

Street lighting	Area lighting	Park lighting	Ports lighting	Community lighting

Features

Support LTE FDD、LTE TDD、WCDMA、GSM Mode

Built-in power meter , support remotely read real-time status and parameters

Standard NEMA 7-PIN interface , plug and play

Built-in RTC : scheduled task

Remotely turn ON/OFF, built-in 16A relay

Optional module: Tilt，GPS

Automatically report failure notification to server and all trigger thresholds are configurable

Lightning protection & IP65 Waterproof

Dimming interface: DALI , 0-10V （Adaptive according to the dimming type of the power supply）

Failure detection : over voltage , over current , under voltage , etc.

LCU16LTE

Basic Information

Relay		1-route, 250V/16A
AC Input AC Output	Voltage Range	96V-264VAC
	Frequency Range	50-60Hz
	Current Range	0-2A
	Static Power	<2W
	Max Load	≦400W
	Surge Protection	4KV
	Isolation Voltage	4KV

Dimming Information

Mode	Analog Voltage	DALI
Output	0-10V	DALI 1.0
Dimming Range	0 - 100%	0 - 100%, relay closed when lights off
Note	Automatic adaptive the dimming type of LED power supply	

Working Environment

Temperature	-40℃ ~ +85℃
Humid	<95%
Waterproof	IP65
Size	Diameter 84mm, Height 98mm
Weight	0.24 KG

Data Reading

Voltage Detection	96V-264VAC
Current Detection	0-2A
Data Accuracy	≤3%
Active Power Calc	Yes
Power Factor Calc	Yes
Energy Record	Yes

Communication Performance

Type	LCU16LTE-C4	LCU16LTE-C1
Mode	LTE CAT4/CAT1	LTE CAT1
Supported Bands	B1/B2/B3/B4/B5/B7/B8/B28/B40	B1/B2/B3/B4/B5/B7/B8/B28/B38/B40/B41/B66
Communication	TCP	
Standard	LTE 3GPP Rel.11	
Power	23dBm±2dB	
Sensitivity	-101dBm	
Antenna Gain	1.5dBm	

Other Functions

Optional Module	GNSS(support GPS, BeiDou); Tilt(support alarm function)
Failure Type	Overcurrent, overvoltage, undervoltage, lamp failure, compensating capacitor failure, power failure
Task Mode	Local scheduled task based on RTC; Preset Photocell, parameter configurable
Data Report	Automatic alarms and periodic data reporting