



Stand-alone mount, no NEMA socket required
PLC power carrier communication light controller
It combines high speed and high reliability
It is suitable for a variety of regional environments
Use in connection with the power supply of a lamp or device

PLC

- Built-in PLC power carrier module, 2KM long-distance transmission
- Combined with the GTW-730 series gateway, via MQTT protocol, allowing for remote operation and management of street lights, such as turning on/off lights, dimming, and reading the status of street lights
- AC current, voltage, current, power, power factor, temperature measurement.
- 0-10V dimming interface, which can dim the power supply with a 0-10V dimming interface
- Supports offline automatic operation mode for edge computing, which can store commands for offline automatic calculation and automatically execute up to 8 kinds of lighting control schedules and actions
- Support OTA upgrade function
- Built-in 500W relay
- LED status indicator. The function can be turned on or off remotely through communication commands.
- Support OTA upgrade function
- Made in Taiwan

AC Input	100V~240V	Short circuit protection	YES
Rated Voltage	220Vac	Over heat protection	YES
Frequency	47Hz~63Hz	IP Rating	IP67
Max. Load	500W	MTBF	> =200K hrs.
Max. current	4A	Working Temp.	-40C~60C
Self consumption	<2W	Storage Temp.	-40C~85C
PLC Frequency	50Khz~500Khz	Packaging (L*W*H)	112x68x40(mm)
Dimming output	0-10V @27mA	Weight	0.5kg
Metering Accuracy	<2%	Case Max. Temp.	80C
Harmony	<10%	Safety	CE,CB,FCC
Over Load protection	YES	EMC	EN55015.EN55022

- Faulty Report

Type	Condition	Action	Memo
Over Temp.	$>95^{\circ}\text{C}\pm 2^{\circ}\text{C}$	Auto report, shut down, auto recover after fault removed.	Temp. \rightarrow inside the case.
Low Temp.	$<-25^{\circ}\text{C}\pm 2^{\circ}\text{C}$	Auto report, shut down, auto recover after fault removed.	Temp. \rightarrow inside the case.
Open circuit	Wattage $<5\text{W}\pm 1\text{W}$	Auto report when $<5\text{W}$, no shut down, auto recover after fault removed.	
Wattage too high	$>520\text{W}\pm 5\text{W}$ or $>4.2\text{A}\pm 200\text{mA}$	Auto report, shut down, auto recover after fault removed.	
Over voltage	$>285\text{V}\pm 3\text{V}$	Auto report, shut down, auto recover after fault removed.	
Low Voltage	$<95\text{V}\pm 3\text{V}$	Auto report, shut down, auto recover after fault removed.	

- Smart function

	Function
Dimming	Via PLC to output 0-10V or PWM signal , dimming range 0%~100% · accuracy $<2\%$
Electricity metering	Report electricity data via PLC to Gateway · Include : input voltage 、 input current 、 wattage 、 P.F and inner temp., accuracy to 2%
Faulty Report	Report sensor detection values ,include: Temp., short circuit 、 open circuit 、 over voltage 、 low voltage 、 normal 、 dimming