



Power Line Communication
LoRa Mesh backup
Use AC cable as smart network

High Speed, Reliable
ANSI C136.41 NEMA Socket

- NEMA interface, Support 7 pins ANSI C136.41
- Self pairing PLC+LoRa Communication, Via existing AC cable to communicate with PLC Gateway to realize reliable wire controlling.
- Co-Work with GTW-73 PLC Gateway, perform remote power meter, lamp controlling/dimming and AUTO scheduling.
- **Edge Computing:** 8 timer memories, remote programmable, sunrise/sunset calculation.
- Support OpenAPI, MQTT/ Support OTA upgrade
- Optional GPS sensor.
- Support built-in multi sensors: Tilt/Temperature/open circuit/short circuit, Electricity data collections...14 kinds of detections.
- Support AC 480V (Optional)

Input Voltage	100V~240V	Node pairing	Max. 300 nodes under one Gateway
Rated Voltage	220Vac	Over heat protection	YES
AC Frequency	47Hz~63Hz	IP Rating	IP66
Max. Load	500W	MTBF	>=200K hrs.
Max. current	4A	Operation Temp.	-40C~60C
Self Consumption	<2W	Storage Temp.	-40C~85C
PLC Frequency LoRa Freq.	50Khz~500Khz 470Mhz~1000Mhz	Package (L*W*H)	89x89x120(mm)
Dimming	0-10V @27mA	Weight	0.3kg
Accuracy	<2%	Case Max. temp.	80C
Harmony	<10%	Safety	CE,CB,FCC
Over Load protection	YES	EMI/EMC	EN55015.EN55022

- Malfunction Detection

Type	Condition	Device Action	Memo
Over Temp.	$>95^{\circ}\text{C}\pm 2^{\circ}\text{C}$	Status upload--shut down— Recover to normal after Error is removed.	Inner Temp. Not ambient
Low Temp.	$<-25^{\circ}\text{C}\pm 2^{\circ}\text{C}$	Status upload, no shut down, Recover to normal after Error is removed.	Inner Temp. Not ambient
Open Circuit	Wattage $<5\text{W}\pm 1\text{W}$	Status upload, no shut down, Recover to normal after Error is removed.	Open circuit or Wattage to Low
Watt Too High	$>520\text{W}\pm 5\text{W}$ or $>4.2\text{A}\pm 200\text{mA}$	Status upload, shut down, Recover to normal after Error is removed.	
Over Voltage	$>285\text{V}\pm 3\text{V}$	As above	
Under Voltage	$<95\text{V}\pm 3\text{V}$	As above	
Tilt detect	Tilt angle $>10\pm 2^{\circ}$	As above	