

Zigbee Pro Constant Current CCT/Dimmer LED Driver User instruction



Educational lighting, Indoor office lighting, Decorative lighting, Commercial lighting, Resident lighting

Product description

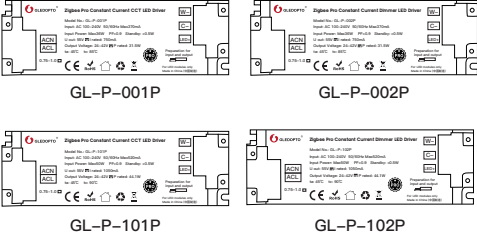
GL-P-001P is the LED constant current power supply with maximum output power 31.5W, output current 750mA. GL-P-101P is the LED constant current power supply with maximum output power 44.1W, output current 1050mA. Both are integrated with ZigBee 3.0 and 2.4G RF for smart dimming and color temperature tunable, providing overvoltage protection and short-circuit protection.

Product feature

- ZigBee3.0 led driver & controller for color temperature tunable and dimming
- 2.4G RF protocol for color temperature tunable and dimming
- THD < 15%
- PF > 0.9
- Standby power ≤ 0.5W
- Isolated power supply, No flicker
- IP20
- Suitable for panel lights, strip lights, etc

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Zigbee Pro Constant Current CCT/Dimmer LED Driver



Electrical Characteristics

Model	GL-P-001P/GL-P-002P	GL-P-101P/GL-P-102P
Output Voltage	DC24-42V	
Current Output	750mA	1050mA
Input Voltage	AC100-240V	
Input Current	370mA Max	520mA Max
THD	<15%	
PF	>0.9	
Standby Power	≤0.5W	
Open Circuit Protection	<55V	
Working Temperature	-20~45°C	
Working Humidity	20-90%RH (non-condensing)	
Certificate	CE, ROHS	
IP Rate	IP20	
Warranty	3 years (Tc≤90°C)	
Ripple & Noise	≤25dB	

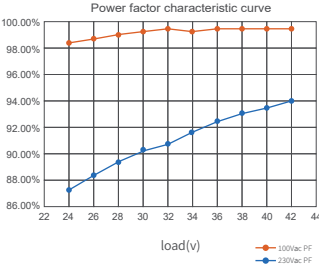
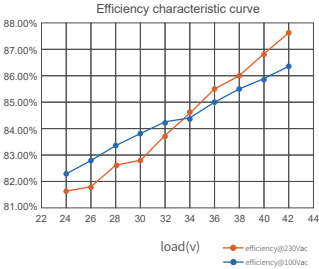
Supplementary instruction

- 1.It is recommended to have the over-voltage protection and surge protection devices in the power supply circuit to ensure the electricity safety.
2. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.
3. The right of final explanation for the above parameters is reserved by Gledopto.

Definition of wire terminal

INPUT	
ACL	AC Live Wire Input
ACN	AC Neutral Wire input
OUTPUT	
LED+	Output common anode terminal
C-	Output for cool white terminal
W-	Output for warm white terminal

Product Characteristic Curve



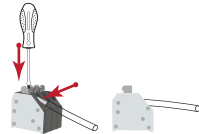
Wire Connection

- 1.Ref. to Picture 1, prepare the wire with 5mm stripping, the wire diameter is fitting for 0.75~1.0mm².



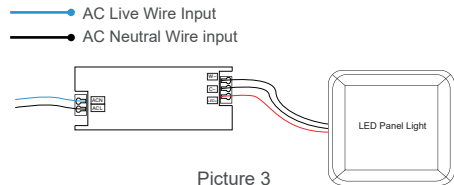
Picture 1

- 2.Ref to Picture 2, use the screwdriver to press the button down then insert the wire into the terminal.



Picture 2

- 3.Ref to Picture 3, Remove the screwdriver and the connection is done.



Picture 3

Network Connection

Pairing with Zigbee Hub

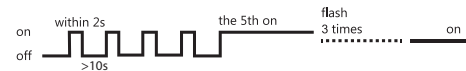
1. Connect the wires correctly, turn on the power.
2. Search this device on APP(refer to Zigbee hub), wait for a certain time (Refer to the hub User Manual). If the gateway does not find the controller, re-power the controller or reset the controller then search again.
3. The gateway list the controller, then assign the controller in a room or group.
4. Join in the Zigbee network successfully, go smart control.

Note: The searching should be performed within 60 seconds when powering on the power controller.

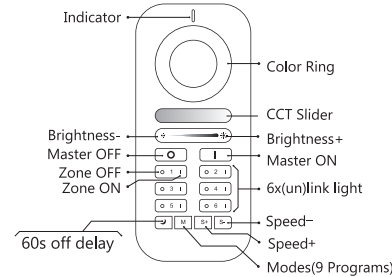
Reset

Refer to the picture below

1. Power on the controller.
2. Power off the controller within 2s.
3. Wait for more than 10s to make sure it is fully powered off.
4. Repeat the above operation 5 times.
5. The light flashes 3 times, indicate the reset is done.



Pairing with 2.4G RF Remote Control (GL-RC-006Z)



Pairing:

Short press the zone “ON” key one time within 3 seconds after power on the controller. The panel light turn on warm light one time, if the pairing succeed.

Un-Pairing:

Short press the zone “ON” key three times quickly within 3 seconds after power on the controller, the panel light flash three times, if it's un-pairing.

Night Mode:

Long press the “OFF” button, when the the current light color is automatically dimming to the lowest, it enters into the night mode.

60s Off Delay:

Long press the “moon shape” Key, the indicator light flash 3 times, the light enters 60s delayed shutdown. After waiting for 60s, the remote control will automatically send the order to turn off the device.



1. Please check whether the input voltage of the constant voltage power supply is in accordance with the Lamps, and please check the connection of both the cathode and anode.
The working Volatage is AC100-240V, the Lamps will be broken if the voltage is higher than 240V.
3. Non-professional user cannot dismantle the Lamps directly, otherwise, it may cause fire and electric shock.
The working temperature is -20~45°C; Do not use the device to direct sunlight, moist and other high temperature area.
Please do not use Lamps around the mental area and high magnetic field,
5. otherwise, it will badly affect the Use effect.

Disclaimers

- ★ This manual may contain inaccuracies or discrepancies of the product operations, or typographical errors. Our company will update the contents of this manual according to the improvements and changes of product functions, and regularly improve and update the software and hardware of products described in this manual. The updates will be shown in the latest edition of this manual without further notice.
- ★ Due to the continuous adoption of new technologies by our company, the product parameters will be changed without any notice in prior.
- ★ This manual is only for reference and guidance for customers. It does not guarantee that it is completely consistent with the actual product. The actual application is subject to the actual product.
- ★ The parts, components and accessories mentioned in this manual do not represent the standard configuration of the product. The detailed configuration is subject to the packing list.
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