LED Driver Power Supplies

12V and 24V

(GEPS24-150U-EU, GEPS24-200U-EU, GEPS12-150U-EU, and GEPS12-200U-EU)

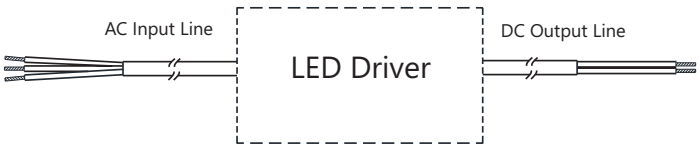
BEFORE YOU BEGIN

Read these instructions completely and carefully.

For a description of LED Driver features, please refer to the datasheet. Use the diagram below as a reference for the LED Driver wire leads:

Input Color	Polarity
Brown	AC Line (L) / DC (+)
Blue	AC Neutral (N) / DC (-)
Yellow/Green	GND (Safety ground)

Application Illustration



Output Color	Polarity
Brown	12 or 24V (+)
Blue	12 or 24V (-)

Before Installation

- Power supplies must be installed by a qualified electrician who is familiar with the installation and operation manual.
- Ensure the installation of the power supply, either indoor or outdoor, properly complies with the drivers specifications. Drivers should not be exposed to corrosive gas or liquids.
- Ensure the drivers are used with the proper LED specified electrical load (with reference to the drivers' datasheet).
- Always follow LED module manufacturers instructions for LED module loading configurations. For Current Lighting LED modules, follow the instructions in the SIGN311 European Driver Application Guide.
- This product is intended to be used as a lamp control gear that is installed after the mains control switch.

Installation

1. Determine the P (positive) and N (neutral) wires of the mains supply using a multimeter or other instrument. Verify the impedance and voltage of the ground connection as normal, then disconnect the mains supply.
2. Install the drivers securely to the mounting surface using suitable fixing screws.
3. Connected the positive '+' output of the driver to the DC positive '+' input of the LED module. Connect the negative '-' output of the driver to the DC negative '-' input of the LED module.
4. Connect the GND (yellow/green) wire on the input side of the LED driver securely to ground.
5. Connect the P (positive) wire of the mains supply to the P (positive) wire of the driver. Connect the N (neutral) wire of the mains supply to the N (neutral) wire of the driver.

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6. Ensure that all driver wire connections are correct after the product is installed and that heat dissipation is properly addressed within the fixture. Only after these requirements are sufficiently met can the driver be operated.
7. If any phenomenon occurs such as tripping or irregular operation, disconnect the mains supply and the connection to the LED module before investigating the problem. If the driver is found to be defective, please replace it or contact your sales representative.

Important Notes

- Please handle the drivers carefully. Do not lift or move the driver using the input or output wires to avoid personal injury and/or product damage. Install the drivers securely to the mounting surface using suitable fixing screws.
- A ground connection should be provided to the driver. The drivers' safety ground connection should be verified.
- Do not disassemble the driver in any way. The length of the input AC wire must exceed 152mm or 6 inches, which is required.
- Reverse connections, wire crosses, and short circuits are strictly prohibited on the input or output wires.
- While EMC performance of this component has been verified in a laboratory using a laboratory test configuration; EMC performance may be affected by the complete installation, therefore compliance of the final equipment can only be ensured by the final equipment manufacturer.

Remarks: The final interpretation of this manual rests with Current Lighting. Please consult the appropriate personnel for assistance in understanding this manual.

Electrical products must not be thrown out with domestic waste. They must be taken to a communal collecting point for environmentally friendly disposal in accordance with local regulations. Contact your local authorities or stockist for advice on recycling. The packaging material is recyclable. Dispose of the packaging in an environmentally friendly manner and make it available for the recyclable material collection-service.

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