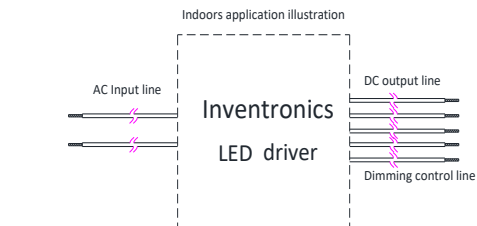
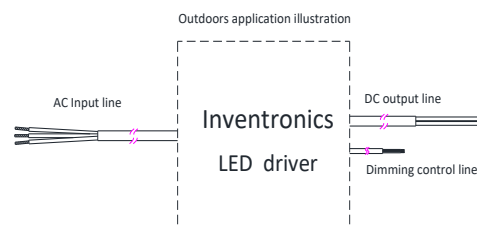
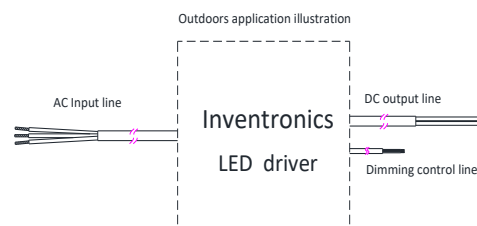


Installation and Operation Manual of LED Driver

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

Input Wire Type	Color	Polarity		Output Wire Type	Color	Polarity
American Safety Standard: UL level	Black	P (Positive)		American Safety Standard: UL level	Red	+
	White	N (Neutral)			Black (Blue)	-
	Green	GND (Safety ground)			European Safety Standard: VDE CCC level	Brown
Brown	P (Positive)	Blue	-			
European Safety Standard: VDE CCC level	Blue	N (Neutral)			Dimming control line	See nameplate
	Green	GND (Safety ground)				

Attention: Different driver profiles are judged based on the entity. The polarities of the LED Drivers should be checked based on the relevant identifications of LED Drivers' nameplate.

II. Installation Instructions:

1. Power supplies must be installed by a qualified electrician who is familiar with the installation and operation manual.
2. Ensure the installation of the power supply, either indoor or outdoor, properly complies with the driver s' specifications. Drivers should not be exposed to corrosive gas or liquids.
3. Ensure drivers following the installation guideline for enhancing waterproof reliability in outdoor application and refer to details from below link.
["Installation Guideline- Prevention of Moisture Ingress"](#)
4. Ensure the drivers are used with the proper LED, LEP, or other specified electrical loads (with reference to the drivers' datasheet).
5. Installation procedures:
 - 1) Determine the P (positive) and N (neutral) wires of the main power using a multimeter or other instrument. Verify the impedance and voltage of the ground connection as normal, then disconnect the input power grid.
 - 2) Install the drivers firmly onto the lamp bracket with matching screws.
 - 3) Connected the positive '+' output of the driver to the DC positive '+' input of the lighting fixture. Connect the negative '-' output of the driver to the DC negative '-' input of the luminaire.
 - 4) Connect the GND (green) wire on the input side of the LED driver securely to ground.
 - 5) Connect the P (positive) wire of the power main to the P (positive) wire of the driver. Connect the N (neutral) wire of the power main to the N (neutral) wire of the driver.
 - 6) Ensure that all driver wire connections are correct after the product is installed and that heat dissipation is properly addressed within the fixture. Ensure the wiring connections are airtight and waterproof. 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 power main and the connection to the luminaire before investigating the problem. If the driver is found to be defective, please replace it or contact the appropriate Inventronics' sales group for resolution.

III. Attention to Safety

1. 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.

2. A ground connection should be provided to the driver. The drivers' safety ground connection should be verified.
3. Do not disassemble the driver in any way. The length of the input AC wire must exceed 152mm or 6 inches, which is required by Inventronics' Safety Department.
4. Reverse connections, wire crosses, and short circuits are strictly prohibited on the input, output, and dimming wires. The dimming control wires cannot come into contact with voltages greater than 24VDC or be subject to reverse polarity connections without risk of damage to the driver.
5. Leakage current protection measurement is recommended between the power main and the LED driver. Please limit the number of the drivers used when the end-user operates them with only one leakage circuit-breaker. Sufficient margin needs to be considered when an earth leakage circuit-breaker is chosen. It is recommended that no more than five drivers share one leakage circuit-breaker with a 30mA rating. If the drivers are tripped during operation, please consult a qualified professional to investigate whether there is other possible leakage. Leakage current measurements should be taken after the cause of failure is confirmed.

IV. Warranty Instructions

1. Under normal circumstances, the driver warranty begins from the date of delivery from Inventronics. If a product has any failure during the warranty period, Inventronics will repair or replace the driver after the failure is confirmed as a true defect.
2. Warranty is considered out-of-scope when one or more of the following situations occur:
 - 1) The driver suffers damage by not following the instruction manual;
 - 2) The driver suffers damage because of improper operation or improper assembly;
 - 3) Improper application or integration with luminaire;
 - 4) Disassembly of driver by the end-user;
 - 5) Severe damage or deformation of the driver's appearance;
 - 6) Damage to the driver's input or output wires;
 - 7) Driver's identification codes or serial numbers erased, altered or damaged;
 - 8) Damage to the driver caused by natural disasters.

Remarks: The final interpretation of this manual rests with Inventronics (Hangzhou), Inc. Please consult the appropriate personnel within Inventronics for assistance in understanding this manual.