



Constant Voltage Magnetic Phase-Dimmable 12/24VDC LED Driver

Magnetic DC Drivers (12V 60W, 24V 60W/96W are Class 2)



INSTALLATION GUIDE

Installation Requirements:

The transformer should be installed according to Article 450 of the National Electric Code (NEC). Make sure the installation area is well-ventilated and free from explosive gases and vapors. Proper airflow is essential for operation. Since this transformer is hardwired, it must be installed by a qualified electrician.

Precautions Before Installation:

Check the label to ensure the transformer has the correct input voltage and wattage. Verify that the wire markings match the provided wiring diagram.

Mounting Instructions:

Choose a location that can support the weight of the transformer. Use the two keyholes in the transformer case for mounting. It is best to mount the transformer vertically with the wiring compartment pointing downward. If installing multiple drivers, keep at least 5 inches of space between each driver.

Input Connections / Grounding:

Remove the knockouts in the wiring compartment and install strain reliefs. Make sure the power is turned off before proceeding. Route the input wires through a strain relief and connect one wire to black and one wire to white. Use only UL Listed wire nuts and connectors of the appropriate size and type. The transformer case **MUST** be grounded according to the NEC. Connect the ground wire to the transformer's green wire.

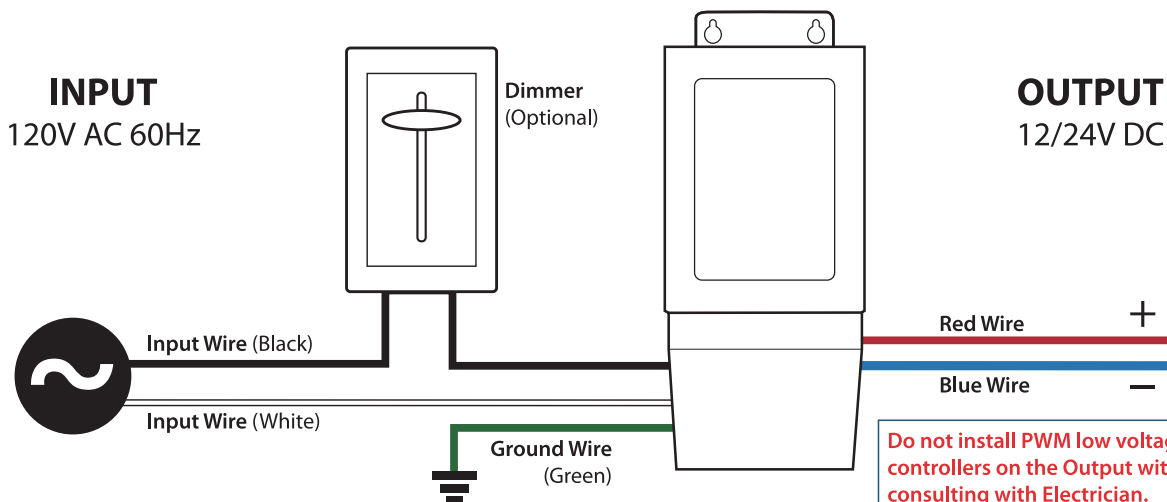
Output Connections:

Bring the wires of the light fixture through the other open knockout. Connect the fixture wires to the transformer wires – positive (+) to the red wire and negative (-) to the blue wire.

Dimming Instructions:

This transformer is dimmable with any standard MLV TRIAC (Leading Edge) dimmer switch. Install the dimmer switch on the input (120VAC) side of the driver. Note: A 50% load is required if not using a dimmer.

WIRING DIAGRAM



INPUT: 120VAC / Specification Sheet

CONSTANT VOLTAGE MAGNETIC PHASE-DIMMABLE 12/24VDC LED DRIVER

SPECIFICATIONS(12/24VDC)

INPUT	12V 60W	12V 100W	24V 60W	24V 96W	24V 150W
Input Voltage	120VAC	120VAC	120VAC	120VAC	120VAC
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Input Current	0.65A	1.33A	0.55A	0.96A	1.32A
Efficiency	80%±5%	80%±5%	80%±5%	80%±5%	80%±5%
Power Factor	0.90	0.90	0.90	0.90	0.90
OUTPUT					
Max. Load	60W/5A	100W/8.4A	60W/2.5A	96W/4A	150W/6.25A
Output Voltage at Full Load	11.5VDC	11.7VDC	22.5VDC	22.5VDC	23.2VDC
Output Voltage at No Load	12.5VDC	12.9VDC	24.5VDC	25.8VDC	25.6VDC
DIMMING					
	No Dimmer: Min. 60%		With Dimmer: Varies per Dimmers		
ENVIRONMENTAL					
Operating Temperature	-22°F to 113°F (-30°C to +45°C)	-22°F to 113°F (-30°C to +45°C)	-22°F to 113°F (-30°C to +45°C)	-22°F to 113°F (-30°C to +45°C)	-22°F to 113°F (-30°C to +45°C)
Min. Installation Spacing	5"	5"	5"	5"	5"
Thermal Class	B130°C	B130°C	B130°C	B130°C	B130°C
PROTECTION					
Circuit Breakers	Primary and secondary auto reset	Primary and secondary auto reset	Primary and secondary auto reset	Primary and secondary auto reset	Primary and secondary auto reset
MECHANICAL HOUSING					
Primary Leads	18AWG	18AWG	18AWG	18AWG	18AWG
Secondary Leads	18AWG	16AWG	18AWG	18AWG	16AWG
Ground Wire Leads	18AWG	18AWG	18AWG	18AWG	18AWG
Dimensions	6.53×2.6×2.36Inch (166×66×60mm)	9.8×3.1×2.99Inch (249×79×76mm)	6.53×2.6×2.36Inch (166×66×60mm)	6.53×2.6×2.36Inch (166×66×60mm)	9.8×3.1×2.99Inch (249×79×76mm)
Weight	3.09LB (1.4KG)	4.85LB (2.2KG)	3.09LB (1.4KG)	3.53LB (1.6KG)	5.51LB (2.5KG)
APPROVAL MARKINGS					
Class 2	Yes	No	Yes	Yes	No
Certificates	ETL Listed Conforms to UL 8750	ETL Listed Conforms to UL 8750	ETL Listed Conforms to UL 8750	ETL Listed Conforms to UL 8750	ETL Listed Conforms to UL 8750