



## INSTALLATION INSTRUCTIONS ELECTRONIC 0-10V DIMMABLE DRIVER

LLI-PS-DE010-040W  
LLI-PS-DE010-060W  
LLI-PS-DE010-100W  
LLI-PS-DE010-240W  
LLI-PS-DE010-320W  
LLI-PS-DE010-600W



\*\*DANGER: Prior to installation, disconnect power at the source.\*\*

Make sure you have all components listed below:

- Power Supply
- Wire Nuts
- 0-10V Dimmer

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## ELECTRONIC 0-10V DIMMABLE DRIVER

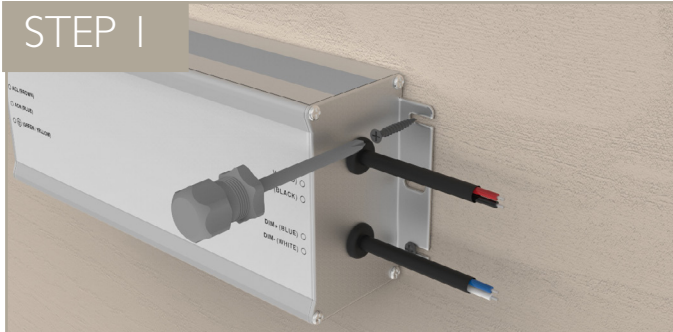
Please read all steps before beginning the installation.

- **WARNING:** These products may represent a potential shock or fire hazard if improperly installed or attached in any way. Products should be installed in accordance with these instructions, local electrical codes and the National Electric Code (NEC).
- LLIA's 0-10V power supplies are UL listed and carry an IP67 rating.
- If dimming is desired, use with a 0-10V dimmer only.
- Do not use if there is any damage to the unit or to the wiring/insulation. Inspect periodically.
- Ensure wires are in compliance with local electrical codes.
- The driver must be mounted in an area with at least 15 inches of free flow air space for ventilation.
- Do not install driver in hot environments or near heat-radiating objects.
- Ambient temperature should not exceed 110°F or 50°C.
- Recommended load is 80% for optimal performance and lifespan.

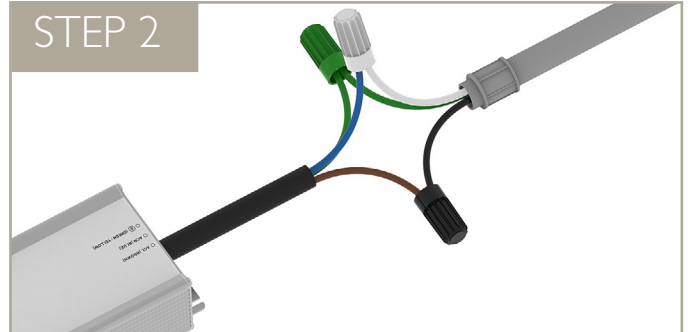
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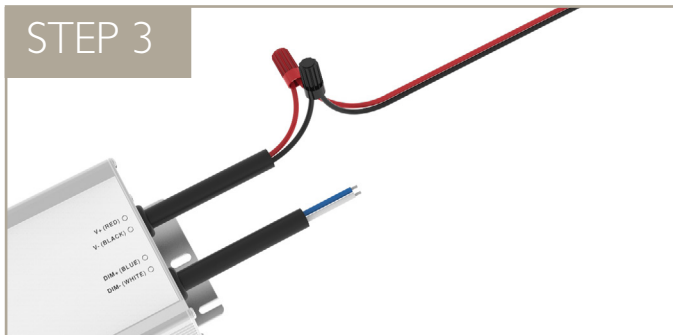
### Power Supply Installation



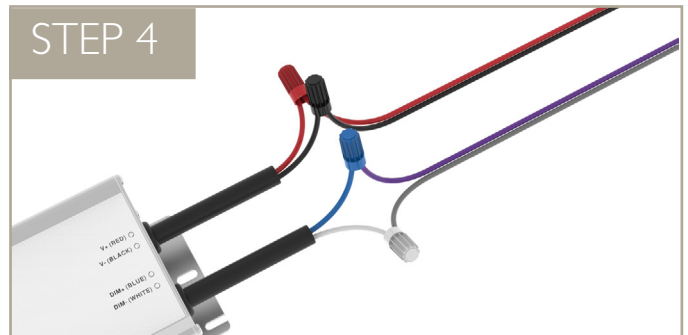
Attach the driver to the mounting surface using the keyhole tabs with four screws. Mounting can be vertical or horizontal.



Input Connection: Connect your AC power line and neutral wires to the Brown (line) and Blue (neutral) input wires of the driver.



Output Connection: Connect your load wires to the Red (+) and Black (-) secondary wires of the transformer. Ensure to connect to the proper polarity.



Connect the dimming wires to the controller dimming wires. Be sure to connect to the proper polarity Blue (+) and White (-). Refer to dimmer instructions for dimmer wire polarity.

**IMPORTANT:** Use only UL rated connectors and wire nuts. Ensure all connections are tight.

# INSTALLATION INSTRUCTIONS

## ELECTRONIC 0-10V DIMMABLE DRIVER

### Low Voltage Wire Gauge Chart

**12V DC Voltage Drop and Wire Length (ft.) Distance Chart**

Power (W)	10W	20W	30W	40W	50W	60W	70W	80W	90W	100W	110W	120W	
Wire Gauge	#18	47'	23'	16'	12'	9'	8'	7'	6'	5'	5'	4'	4'
	#16	75'	37'	25'	19'	15'	12'	11'	9'	8'	7'	7'	6'
	#14	120'	59'	40'	30'	24'	20'	17'	15'	13'	12'	11'	10'
	#12	188'	94'	63'	47'	37'	31'	27'	23'	21'	19'	17'	16'
	#10	301'	150'	100'	76'	60'	50'	43'	38'	33'	30'	27'	25'

**24V DC Voltage Drop and Wire Length (ft.) Distance Chart**

Power (W)	10W	20W	30W	40W	50W	60W	70W	80W	90W	100W	110W	120W	
Wire Gauge	#18	189'	94'	63'	47'	38'	31'	27'	24'	21'	19'	17'	16'
	#16	300'	149'	100'	76'	60'	50'	43'	37'	33'	30'	27'	25'
	#14	478'	238'	159'	120'	95'	79'	68'	60'	53'	48'	43'	40'
	#12	753'	274'	250'	189'	150'	125'	108'	94'	83'	75'	68'	63'
	#10	1205'	599'	400'	303'	240'	200'	172'	150'	133'	120'	109'	100'