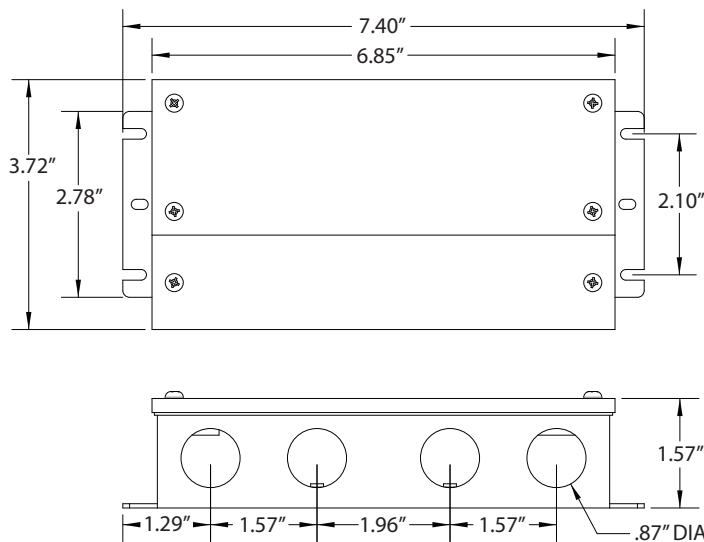




Project: \_\_\_\_\_ Type: \_\_\_\_\_

- PWM & voltage reduction switch
- Universal 100-277VAC Input
- NEMA 4X Rain-tight enclosure for wet locations
- Single Channel
- Class 2
- Up to 91% efficiency
- Built-in active PFC function
- 0 - 100% Dimming range
- Variety of dimming options: ELV, MLV, TRIAC, 0-10V
- Short circuit, Overload and over heat protection
- Flicker-free
- IP66
- 3 Year Warranty

Dimensions



**Order and Specification Guide**

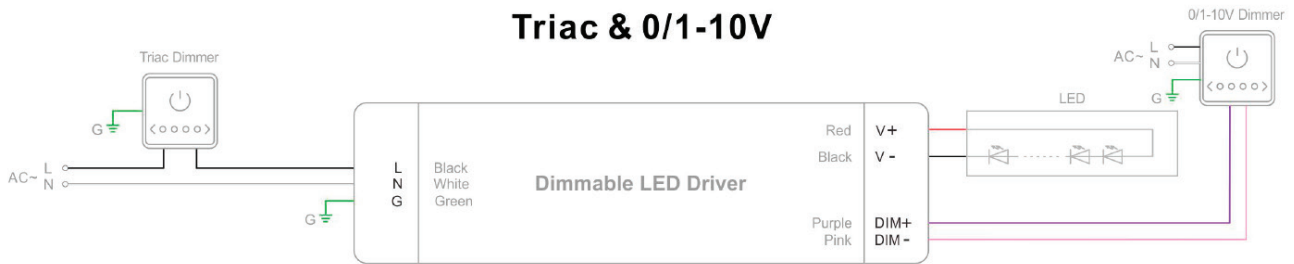
CAT NO.	INF-DR-J-96-1-4-24
DC Voltage	24V
Transformer Classification	Class 2
Rated Current	4A
Rated Power	96W
Number of Channel(s)	1
Dimming	Forward Phase (MLV), TRIAC, Reversed Phase (ELV), 0-10V, PWM
Voltage Regulation	±0.5%
<b>Output</b>	
Input Voltage	100-277VAC
Frequency Range	47-63Hz
Power Factor (Typ.) @ full load	≥ 0.95
THD (Typ.) @ full load	<20%
Efficiency (Typ.) @ full load	88% @120VAC
AC Current (Max.)	1.2A
Inrush Current (Typ.)	51A, 50%, 280us @ 120V AC , 118A, 50%, 452us @ 277V AC
<b>Physical</b>	
Net Weight	2.34 lbs
Dimension	7.40"(L) x 3.72"(W) x 1.57"(H)
<b>Protection</b>	
Short Circuit	Hiccup or block mode, can be automatically restored after abnormal removal
Over loading	≥120% the electronic load CR is hiccup mode, the lamp is CC mode,recovers
Over heating	100° C ± 10° C shut down o/p voltage, automatically recover after cooling
<b>Environment</b>	
Working Temp.	-40° to +60° C (-40° to 140° F)
Working Humidity	20-95% RH, non-condensing
Storage Temp	-40° to 80° C (-40° to 176° F)
Storage Humidity	10-95% RH
Temp. Coefficient	±0.03%/° C (0-50° C)
Vibration	10-500Hz, 5G 10 min./1 cycle, period for 60 min., each along X, Y, Z axis
<b>Safety Compliance &amp; EMC</b>	
Certification	cULus 8750
Environment	Wet Location
IP Rating	IP66
Withstand Voltage	I/P-O/P 1.88KVac I/P-FG: 1.88KVac O/P-FG 1.88KVac
Isolation Resistance	I/P-O/P: 100MΩ/ 500VDC/ 25 / 70% RH
EMC Emission	FCC 47 CFR Part 15, Subpart B (US)

Wiring Diagram

**Using Two Ways Of Dimming At The Same Time:**

you must be assured that LED lighting is up to the max. Brightness then you could operate with the other dimming.

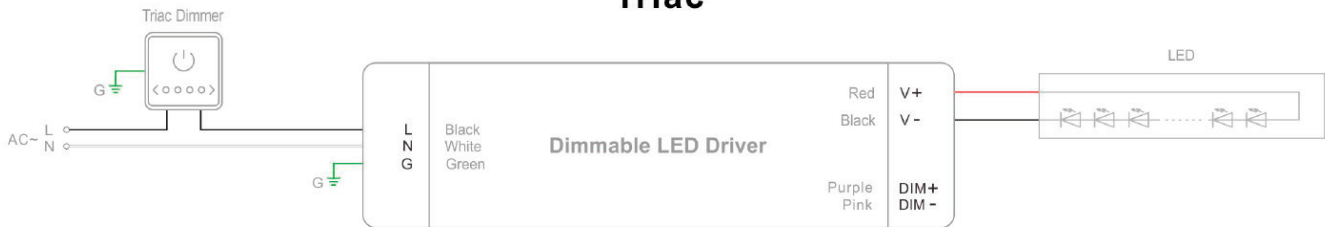
**Triac & 0/1-10V**



**Using one dimming –TRIAC/Phase cut dimming:**

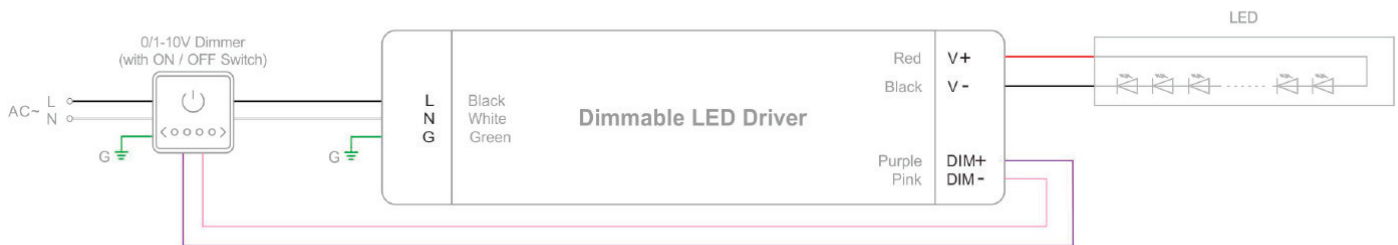
1. The PWM of output voltage can be adjusted through input terminal of the AC phase line (L) by connection a phase /Triac dimmer or lighting system.
2. Working with forward phase, MLV and Reverse phase, ELV, TRIAC dimmers or light system.
3. Min. loading is about 10%
4. Please try to use dimmers with power at least 1.5 times as the output power of the driver.

**Triac**

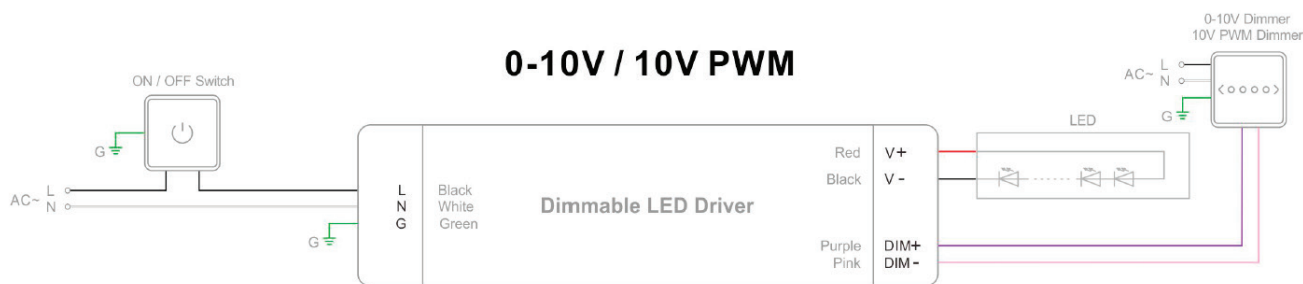
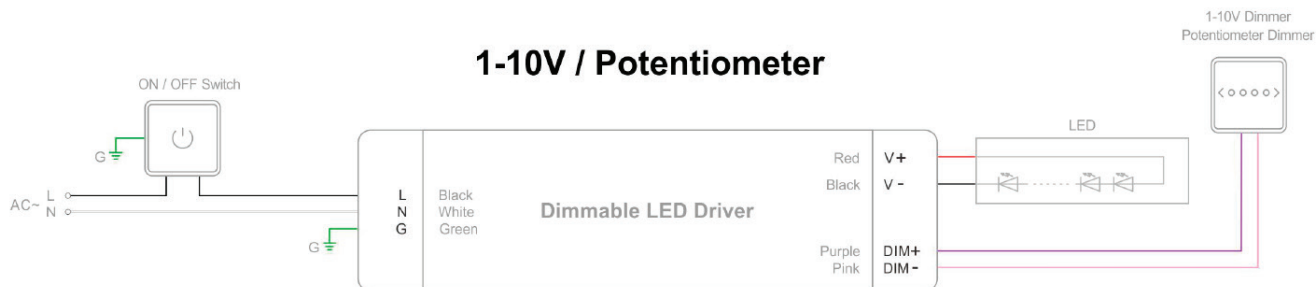


**Using one dimming –0-10/ 1-10V/ 10V PWM/ Potentiometer dimming:**

**0/1-10V**



Using one dimming —0-10/ 1-10V/ 10V PWM/ Potentiometer dimming:



1. Before use, confirm whether the rated input voltage of the power supply is within the mains voltage range;
2. Pay attention to the distinction between power input and output lines to avoid power damage or unnecessary safety accidents caused by reverse connection;
3. Power supplies cannot be stacked and installed (placed). The installation distance between power supplies should be >10cm. If multiple power supplies are located in a small space, the ambient temperature must be <55°C/131°F during use; such as: distribution boxes, etc.;
4. In order to extend the service life of the power supply, try to install the power supply in an environment conducive to heat dissipation. As the ambient temperature increases, the power used by the power supply gradually decreases, and the life of the power supply also gradually shortens;
5. Do not use it under abnormal load: overload will cause damage to the power supply, and extremely light load will cause the power supply to fail to work properly;
6. In order to ensure safe use and reduce interference, please ensure that the ground wire is reliably grounded.