



D192 Series

The D192 Series Universal dimming driver from Southern State Lighting is one of the most reliable, versatile power supplies on the market.

- 120-277V Input
- 24V Constant Voltage Output
- Compatible with ELV, MLV, 0-10V, PWM, and Triac Dimmers
- Dimming range is 0-100%
- UL Listed

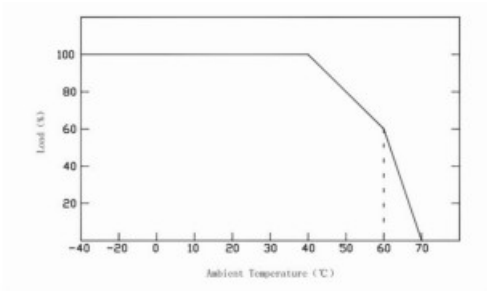


Certificates		UL dUL FCC	
Output	DC Voltage	12V	24V
	Rated Current	3*5A	2*4A
	Rated Power	180W (3*60W)	192W (2*96W)
	Voltage Tolerance	±0.5V	
	Voltage Regulation	±0.5%	
	Load Regulation	±1%	
Input	Voltage Range	100-277VAC	
	Frequency Range	47-63Hz	
	Power Factor (Typ.) @ full load	0.99@120VAC 0.94@277VAC	0.99@120VAC 0.94@277VAC
	THD (Typ.) @ full load	<20%	
	Efficiency (Typ.) @ full load	86%@120V 88%@277VAC	87%@120V 89%@277VAC
	AC Current (Max.)	2.2A@100VAC	2.3A@100VAC
	Inrush Current (Typ.)	19A, 50%, 1.3ms @120VAC ; 38A, 50%, 960us @277VAC	
	Leakage current	<0.50mA	
Protection	Short Circuit	shut down o/p voltage, re-power on to recover after fault condition is removed	
	Over Loading	≤120% Hiccup mode ,recovers automatically after fault condition is removed	
	Over temperature	100°C±10°C shut down o/p voltage, automatically recover after cooling.	
Environment	Working TEMP.	-40~+60°C (see below derating curve)	
	Working Humidity	20~90%RH, non-condensing	
	Storage TEMP. Humidity	-40~+80°C, 10~95%RH	
	TEMP. coefficient	±0.03%/°C(0~50°C)	
	Vibration	10~500Hz, 5G 10min./1 cycle, period for 60min. each along X,Y,Z axes	
Safety& EMC	Safety standards	UL8750+UL1310	
	Withstand voltage	I/P-O/P:1.88KVAC	
	Isolation resistance	I/P-O/P:100MQ/500VDC/25°C/70%RH	
	EMC EMISSION	FCC 47 CFR Part 15 ,Subpart B	
others	Net. Weight	2.0Kg	
	Size	278*108*46mm (L*W*H)	
	packing	285*275*245mm/10pcs /CTN G.W.:22.10KG/CTN	



Specifications

Derating Curve



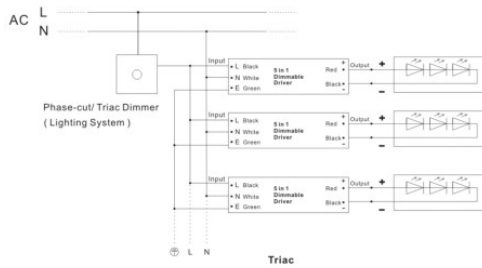
※To extend their life, please refer to the Derating Curve and derate according to the temperature.

Wiring Diagrams

■ Connecting Diagram

※Using TRIAC/Phase cut dimming

- 1.The Pulse-Width Modulation (PWM) of output voltage can be adjusted through input terminal of the AC phase line(L) by connect a phase /Triac dimmer of lighting system.
- 2.Match with leading edge and trailing edge Triac dimmer or lighting system.
- 3.Please try to use dimmers with power at least 1.5 times as the output power of the driver.



※Using 0-10V/1-10V dimming

