

Specification Sheet	Product	240W 4200mA Adjustable current driver with 1-10V dimming	version: 2.1	Page:1/2
	Model	HQLPC240/123/4200AP/DE1	Date	2019-8-15

Product picture



■Features:

- Universal AC input:100~277VAC.
- Built-in active PFC function.
- Efficiency over 90%.
- Protections: Short circuit, Over temperature protection
- IP65, input/output ports are connected to the wire.
- Constant current output, output current can be adjusted by external potentiometer.
- With 1-10V/PWM dimming function .
- Suitable for LED lighting applications.
- Conforms to IEC and GB lighting equipment safety regulations.
- Independent installation,installed in indoor/outdoor.

ADJUSTABLE CURRENT LED DRIVER WITH 1-10V DIMMING



SPECIFICATION

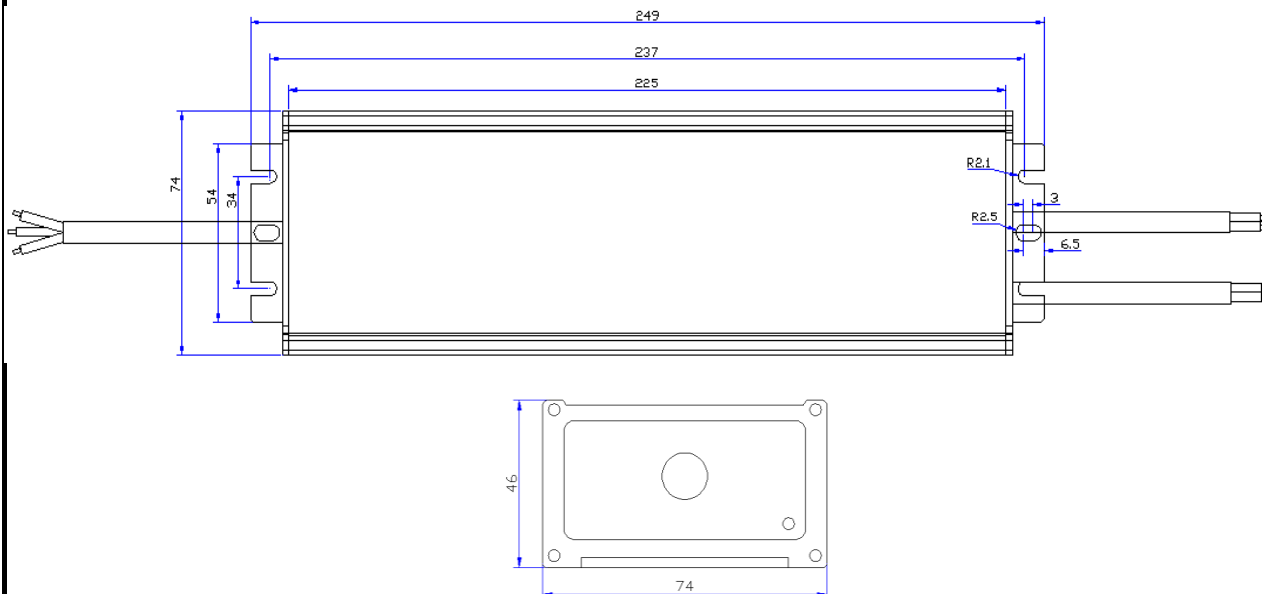
INPUT	Voltage range	Rated voltage range:100~277VAC , (Input voltage range:100~180VAC, 70% power use)	
	Frequency range	47~63Hz	
	Power factor	PF≥0.95 (100%full load)	
	Efficiency(Typ.)	≥90%	Test condition: Input Voltage 277VAC,100% full load.
	AC current	≤2.10A/100VAC; ≤1.37A/220VAC	
	Start up inrush current(Typ.)	cold start: 60A Max. /277VAC	
	Leakage current	Contact current ≤0.7mA at 277VAC, Protect conductor current ≤2mA at 277VAC	
	THD	<20%	
	Input the dimming signal	1-10V/PWM(10V/100-1KHz)	
	OUTPUT	Output channel	1 channel
Output current and voltage		2100~4200mA (Adjustable Current)	
		56~114Vdc	
Rated power		240W(200~277VAC)	168W (100~180VAC)
Tolerance		±5%	
Dimming Range		10%-100%	
Output ripple current		≤10% (100% full load)	
Output overshoot / undershoot current		≤10%,when power open and shut down	
Start up time		0~1S,100VAC ; 0~0.5S,277VAC	
Short circuit protection		Products without damage, when abnormal condition removed , re-power on to recover.	
Over temperature protection	Protection shell maximum temperature 110 ℃, over temperature protection startup, shut down output, can be automatically restored after the temperature is		
ENVIRONMENT	Working TEMP.	-40~+50℃ (100%full load)	
	Max. CASE TEMP.	90℃ (100%full load)	
	Working humidity	20~95%RH, non-condensing	
	Storage TEMP.,humidity	-40~+80℃ , 10~95%RH	
	Temp. coefficient	±0.03%/℃ (0~50℃)	
	Vibration	10~500Hz, 5G 12min/1 cycle, period for 72min.each along X、Y、Z axes	
SAFETY&EMC	Safety standards	GB19510.1/IEC61347-1 ; GB19510.14/IEC61347-2-13	
	Withstand voltage	I/P-O/P:3.75KVAC 60S(Leakage curent<100mA) I/P-FG:1.875KVAC O/P-FG:1.5KVAC ,60S(Leakage curent<10mA)	
	Isolation resistance	I/P-O/P,I/P-FG,O/P-FG:> 100MΩ at 500VDC/25℃/70%RH	
	EMC emission	GB17625.1/IEC61000-3-2 ;GB17743/CISPR15	
	EMC immunity	GB/T 18595/IEC61547	
		Surge immunity: L-N: 6KV; L,N-G: 6KV	
LIFE	50,000 hours at Tc=80℃		
SIZE	249×74×46mm(L×W×H),find below dimension.		
WEIGHT			
NOTE	1.All parameters NOT specially mentioned are measured at 220VAC input , rated load and 25℃ of ambient temperature . 2.The LED driver is considered as a component that will be operated in combination with final equipment , since EMC performance will be affected by the complete installation ,the final equipment manufacturers must re-qualify EMC directive on the complete installation again . 3.Detail warranty terms please refer to warranty statement.		

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■ SIZE

UNIT: mm

TOERLANCE: ±1mm



■ WIRE

- Input wire: 3×1.0 rubber wire, Line length 350±20mm, decortication 30mm, endothelial 5mm solder;
- Signal input wire: 2×1.0 rubber wire, Line length 300±20mm, decortication 30mm, endothelial 5mm solder;
- Output wire: 2×1.0 rubber wire, Line length 300±20mm, decortication 30mm, endothelial 5mm solder;

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Please refer to the actual products provided by HUAQUAN for specific details.