

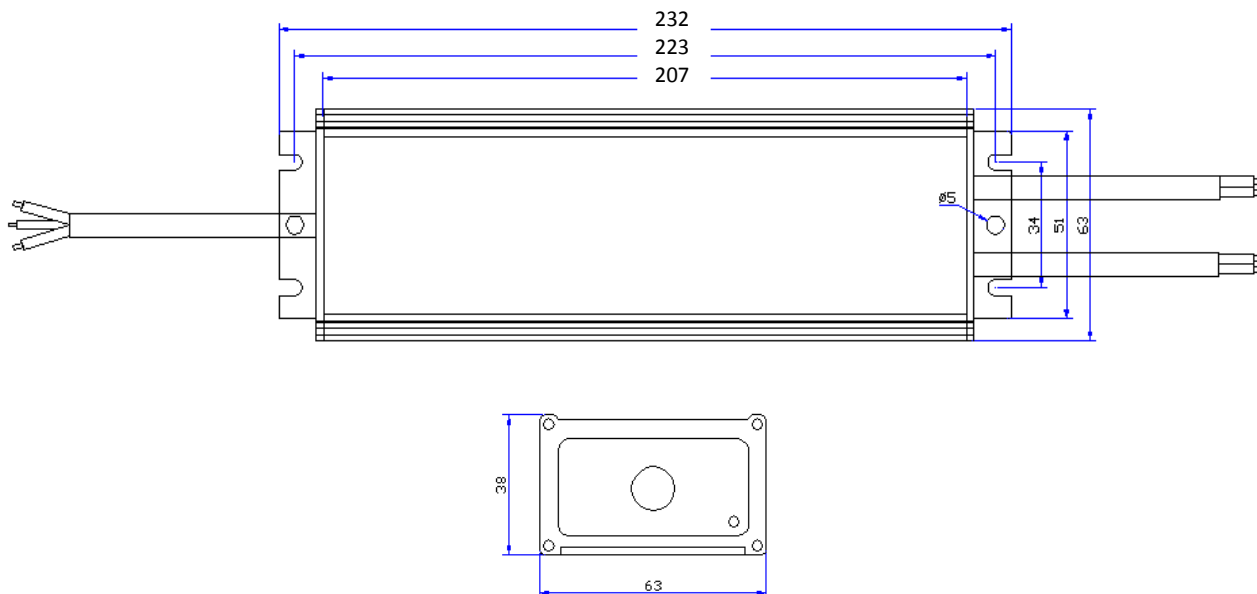
Specification Sheet	Product	185W 1700mA Adjustable current driver with 1-10V dimming		version: 2.0	Page:1/2
	Model	HQLPC185/123/1700AP/D4E1		Date	2019-8-14
		■Features: ·Universal AC input:100~277VAC. ·Built-in active PFC function. ·Efficiency over 90%. ·Protections: Short circuit, Over temperature protection ·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		 IP65			
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	≤1.62A/100VAC; ≤1.05A/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	700~1700mA (Adjustable Current)			
		108~264Vdc			
	Rated power	185W (200~277VAC)		130W (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			
ENVIRONMENT	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 normal			
	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			
SAFETY&EMC	Temp. coefficient	±0.03%/℃ (0~50℃)			
	Vibration	10~500Hz, 5G 12min/1 cycle, period for 72min.each along X、Y、Z axes			
	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 current<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			
LIFE	EMC immunity	GB/T 18595/IEC61547			
	Surge immunity: L-N: 6KV; L,N-G: 6KV				
LIFE	50,000 hours at Tc=80℃				
SIZE	232×63×38mm(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: $\pm 1\text{mm}$



■ 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.