

■ Features:

- Output constant voltage
- Universal AC input: 100-130VAC
- High efficiency :up to 80%
- Protection:short circuit/over loading/over current/ Over temperature
- Full protection plastic housing
- Easy installation
- Cooling by free air convection
- Compatible with Forward & Reverse phase, Triac, ELV Dimmers
- Strong compatibility, flicker-free dimming
- Suitable for LED lighting and moving sign applications and others
- Suitable for dry or damp location use, IP20

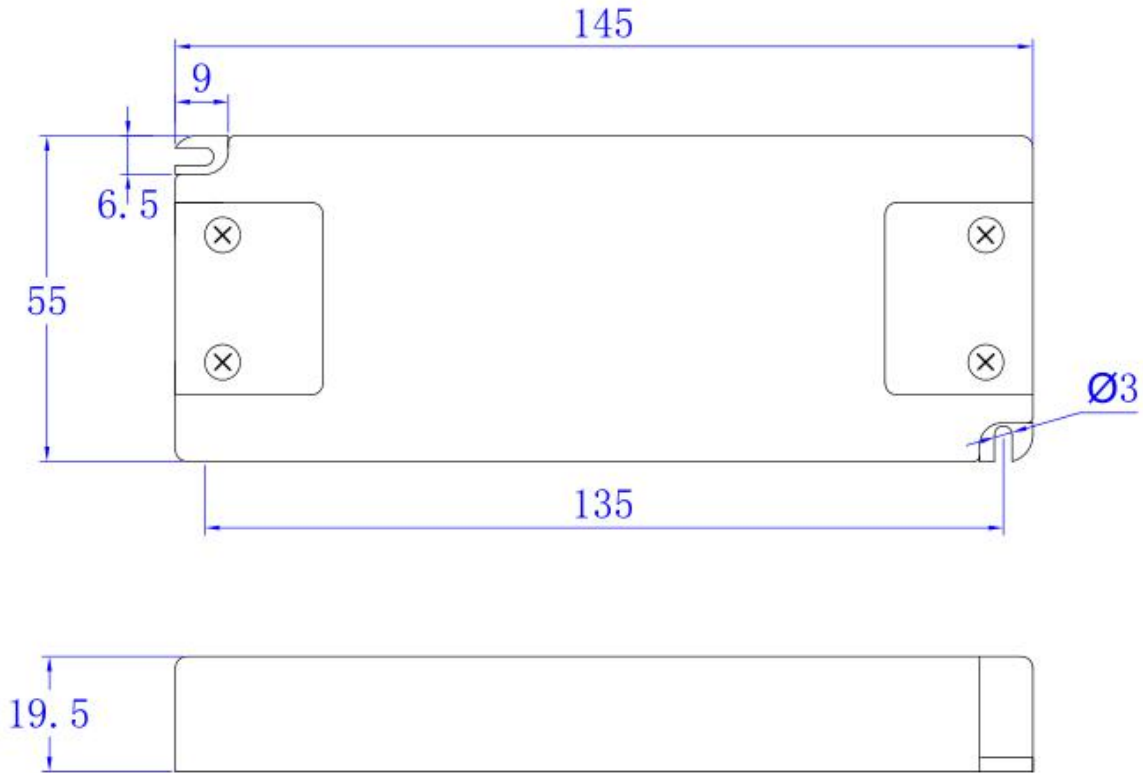


■ Specification

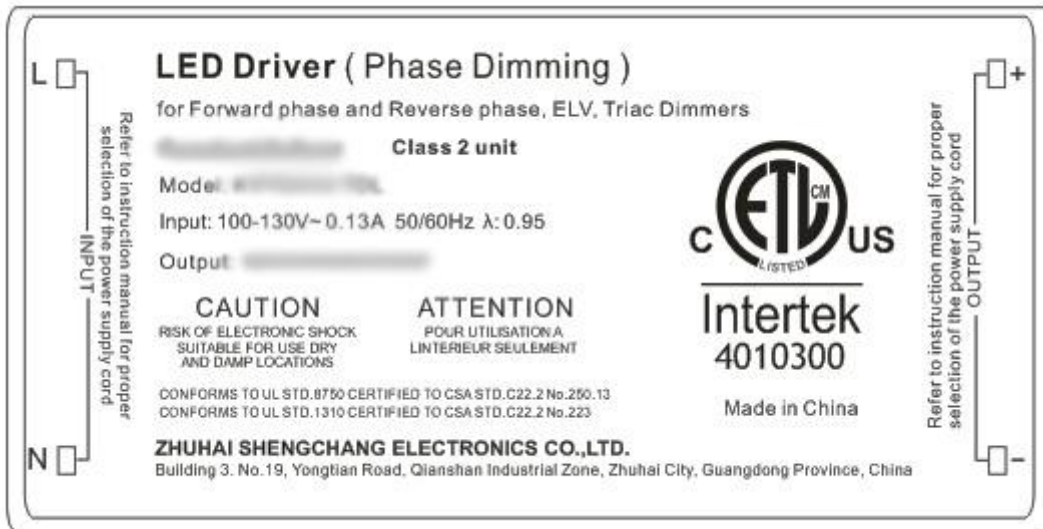
Model		PYPD-12010-TDL	PYPD-24010-TDL		
Certificates		ETL,cET,FCC	ETL,cETL,FCC		
Output	DC Voltage	12V	24V		
	Voltage Tolerance	±0.5V			
	Rated current	0.83A	0.42A		
	Rated power	10W			
Input	Voltage Range	100~130VAC			
	Frequency Range	47~63HZ			
	Power Factor	PF≥0.95 ( Full loading )			
	Efficiency ( Typ. )	78%	79%		
	AC Current ( Max. )	0.13A	0.12A		
	Leakage current	< 0.50mA/120VAC			
Protection	Short Circuit	Hiccup mode, recover automatically after fault condition is removed			
	Over Current	≤1.2*I out			
	Over Loading	≤120%			
	Over temperature	100℃±10℃, Shut down o/p voltage, recover automatically after temperature goes down.			
Environment	Working TEMP.	-40~+60℃			
	Working Humidity	20~90%RH, non-condensing			
	Storage TEMP. Humidity	-40~+80℃, 10~95%RH			
	TEMP .coefficient	±0.03%/℃ ( 0~50℃ )			
	Vibration	10~500Hz, 2G 12min./1 cycle, period for 72min. each along X,Y,Z axes			
Safety& EMC	Safety standards	UL8750+UL1310 Class 2 unit			
	Withstand voltage	I/P-O/P:1500VAC			
	Isolation resistance	I/P-O/P: 100MΩ/500VDC/25℃/70%RH			
	EMC EMISSION	FCC Part 15 B			
Others	Net. Weight	0.2Kg			
	Size	140*55*19.5mm ( L*W*H )			
	packing	350*280*215mm 50PCS/CTN			

<b>Notes</b>	<ol style="list-style-type: none"> <li>1. All parameters if NOT specially mentioned are measured at 120VAC input , rated load and 25°C of ambient temperature.</li> <li>2. To extend the driver's using life ,please reduce the loading at lower input voltage.</li> <li>3.Loading should be 60-100%.</li> </ol>
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■ Mechanical Specification for KV series 10W Phase/Triac Dimmable driver



■ Label



- ※ Input (L) and (N) with wires to be connected AC.
- ※ Output LED : (LED+) (LED-)

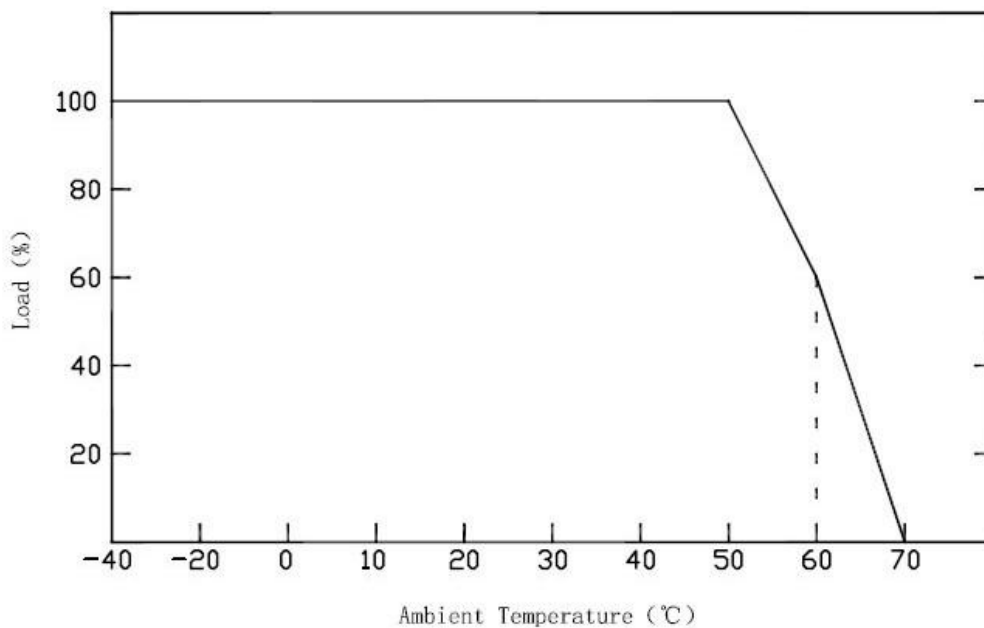
**■ Dimming Operation**

- ※ Output power can be adjusted through input terminal of the AC phase line(L) by connection a phase/triac dimmer.
- ※ Forward phase and Reverse phase, ELV, Triac Dimmers

**■ Warning**

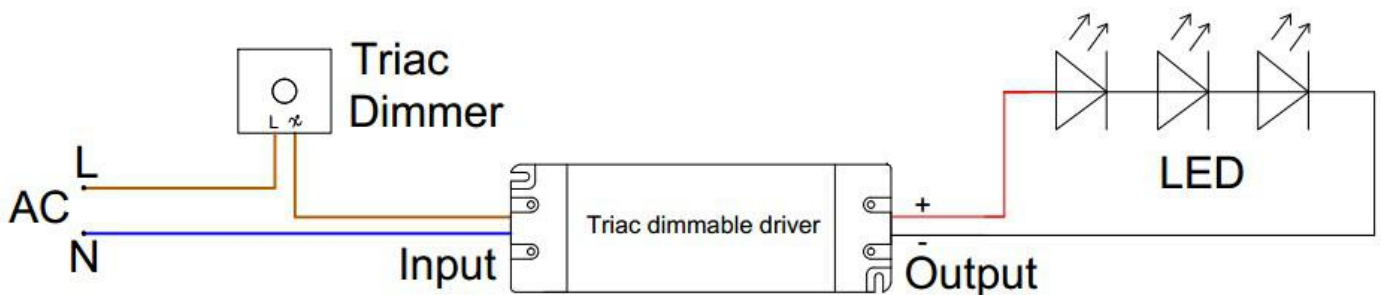
- ※ Prevent to reverse polarity;
- ※ Risk of Electric Shock. When used outdoors, install only on a circuit protected by a Class A GFCI;
- ※ Risk of Fire. Installation involves special wiring methods to run wiring through a building structure. Consult a qualified electrician;
- ※ Risk of Electric Shock. Mount the unit at a height greater than 1 foot from the ground surface.

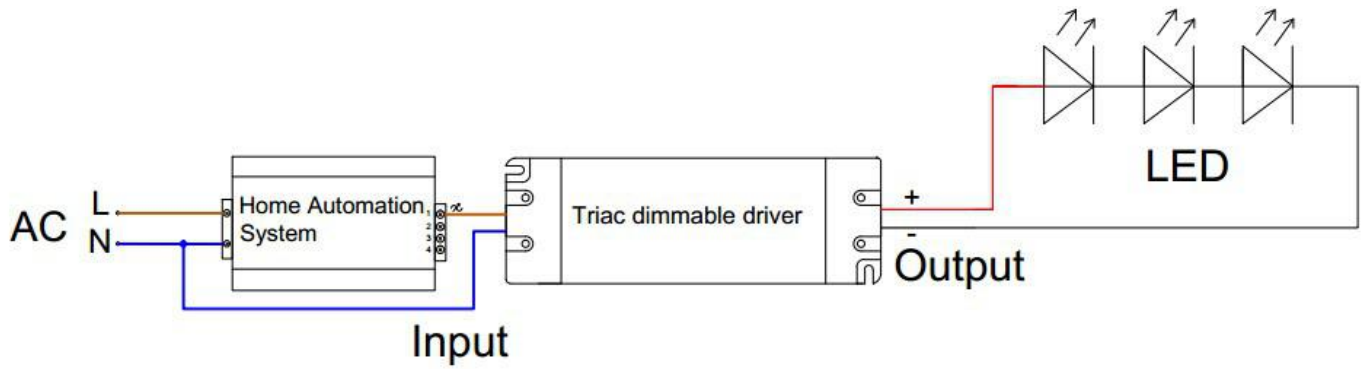
**■ Derating Curve**



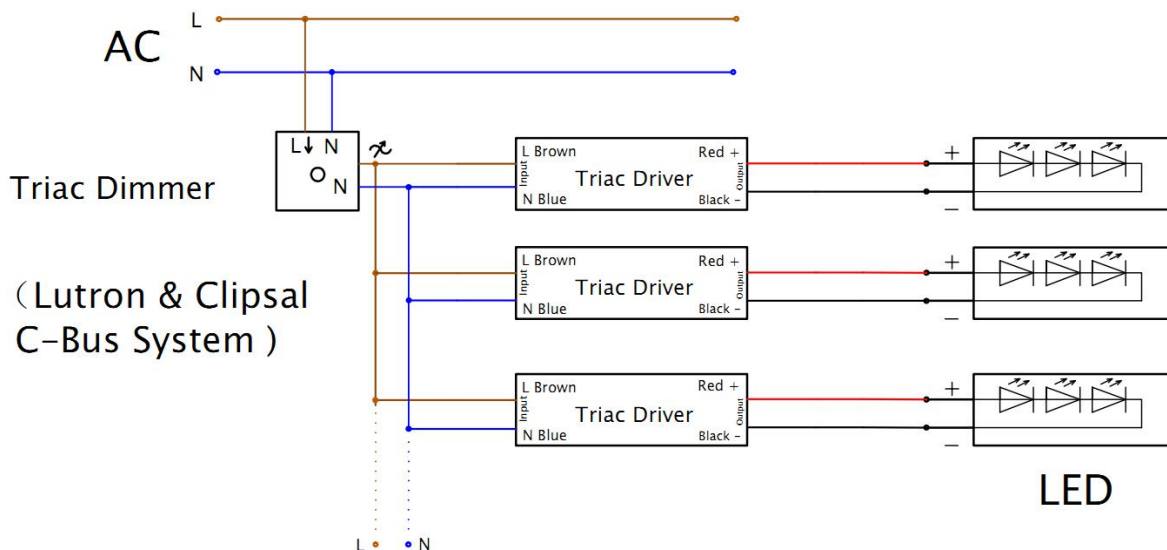
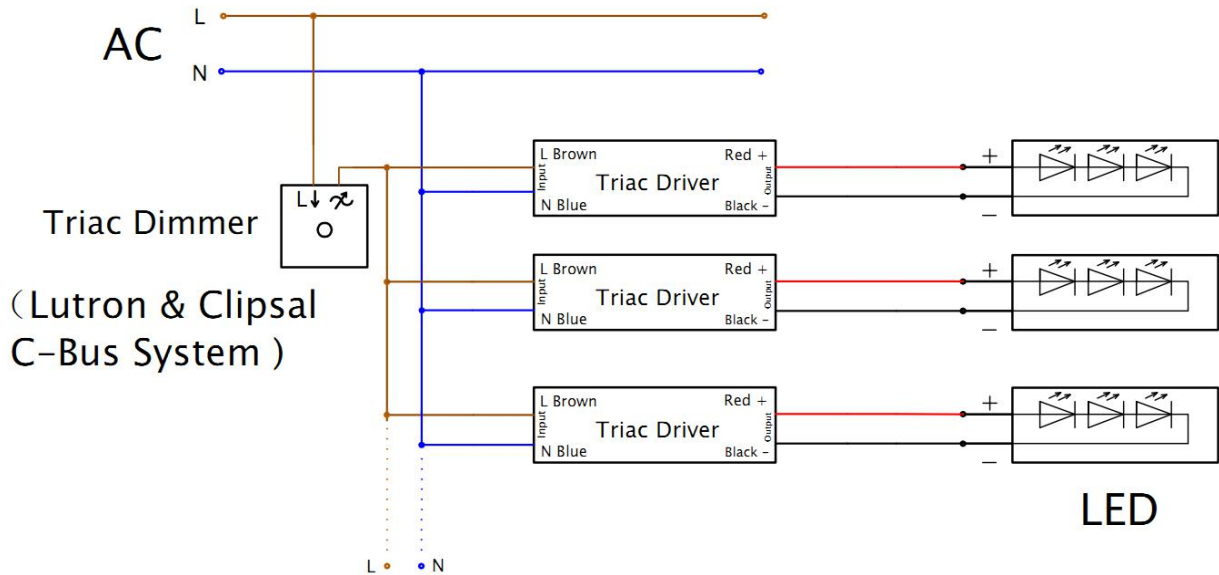
※ To extend their life, please refer to the Derating Curve and derate according to the temperature

**■ Single Driver Connecting Diagram**

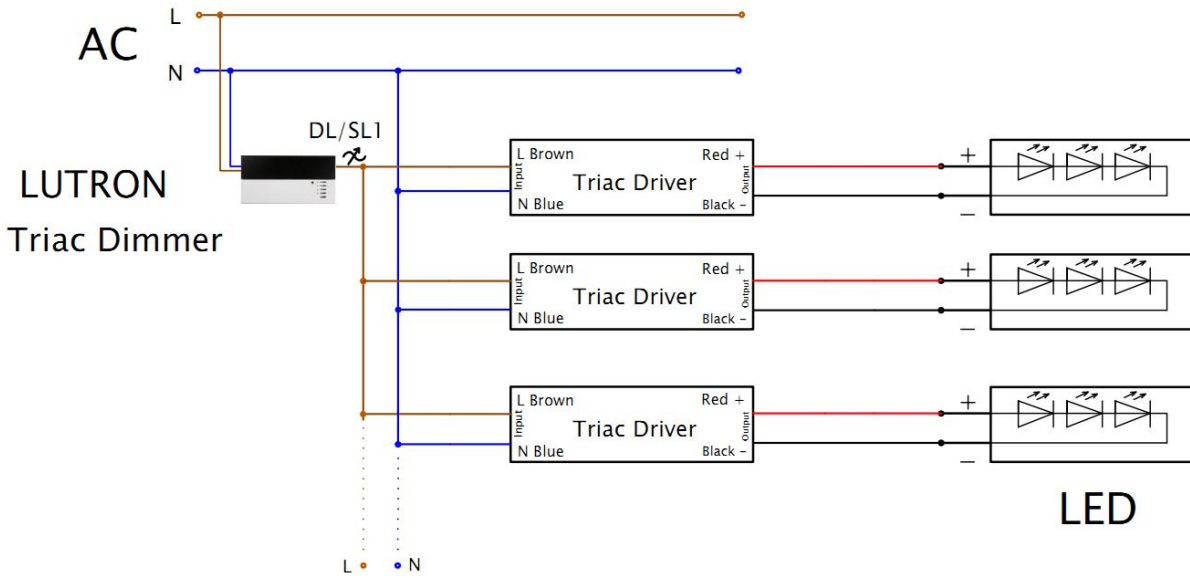




■ Multiple Drivers Connecting Diagram



Constant Voltage Phase/Triac dimmable driver---10W series



Due to continuous improvements, the information herein may be changed without notice  
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