

Triac dimmable driver---Constant Current DIP Adjustment Multi-current output series 25W



■ Features:

- Output constant current
- Range AC input :180-240VAC
- Efficiency 81% Max
- Protections: short circuit/over load/ over current/
- Full protection plastic housing easy installation
- IP20 design for indoor installation
- Cooling by free air convection
- Dimming function: Triac dimmable Phase cut dimmable
- Strong compatibility, flicker-free dimming
- Suitable for LED lighting and moving sign applications
- Suitable for dry locations

■ Specification

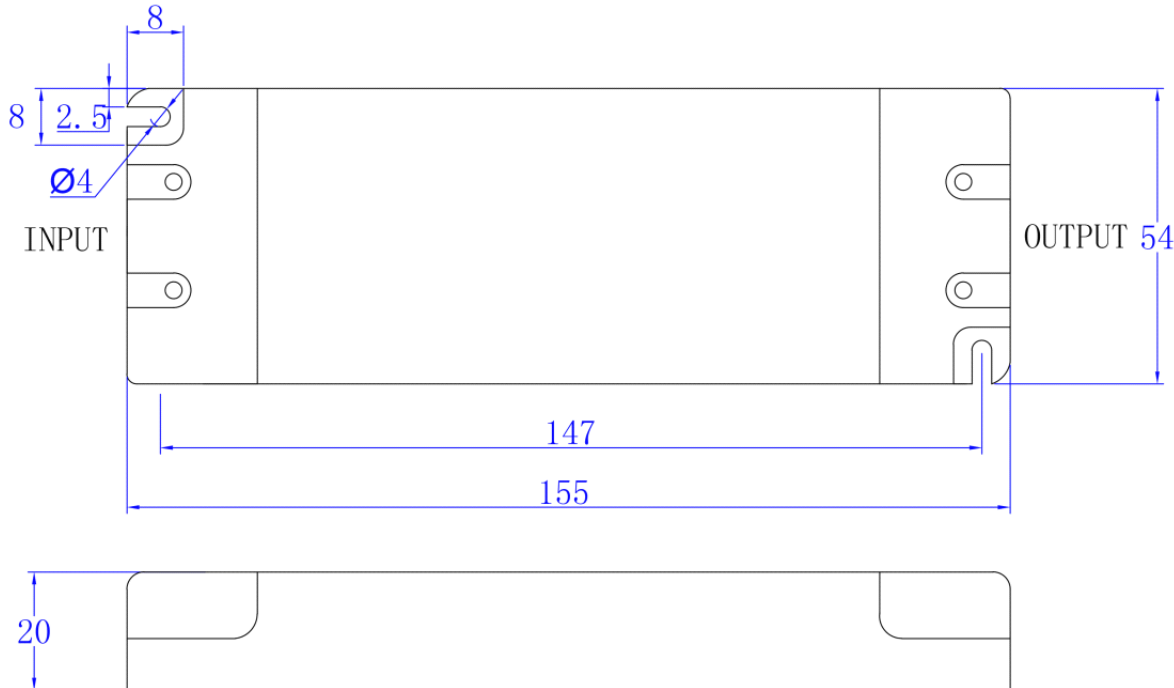


Model		KIP-025-TD							
Output	Rated current	900mA TTT	850mA LT	700mA TT	650mA LT	550mA TT	500mA LT	350mA TT	300mA LT
	Current Tolerance	±5%	±5%	±5%	±5%	±5%	±6%	±8%	±10%
	DC Voltage	5-28V	5-30V	5-35V	5-38V	5-45V	5-50V	5-50V	5-50V
	Rated power	25.2W	25.5W	24.5W	24.7W	24.7W	25W	17.5W	15W
Input	Rated Input Voltage	180-240VAC							
	Rated Frequency:	47-63HZ							
	Power Factor (full load)@180VAC	PF≥0.529A	PF≥0.523A	PF≥0.522A	PF≥0.525A	PF≥0.524A	PF≥0.521A	PF≥0.598A	PF≥0.486A
	Full Load Efficiency(Typ.)	80.3%	80.8%	81%	81.3%	81.7%	81.9%	79.2%	77.5%
	AC Current(Max.)	<0.34A							
	Inrush Current (Typ.)	27.8A/Twidth=236us							
	Leakage current	<0.50mA							
Protection	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed							
	Output No-Load Voltage	52-60V							
	Over Load	≤ 120%							
	Protection Class:	II							
Environ- ment	Working TEMP.	-40-+60℃							
	Working Humidity	20-95%RH,non-condensing							
	Storage TEM. Humidity	-40-+80℃,10-95%RH							
	TEMP. coefficient	±0.03%/℃(0-50℃)							
	Vibration	10-500Hz,2G 10min./1 cycle,period for 60min.each along X,Y,Z axes							
Safety & EMC	Safety standards	EN61347-1 EN61347-2-13							
	Withstand voltage	I/P-O/P:3.75KVAC							
	Isolation resistance	I/P-O/P:100MΩ/500VDC/25℃/70%RH							
Others	Weight	0.21Kg							
	Size	155*54*20mm(L*W*H)							
	packing	160*60*23mm inner box 350*240*130mm outside carton 40PCS/CTN							
Notes	1. All parameters NOT specially mentioned are measured at 230VAC input , rated load and 25℃ of ambient temperature.								

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2. Tolerance: includes set us tolerance, line regulation and load regulation .

■ Mechanical Specification



■ Label

LED Driver (Triac Dimming - Leading edge)

Multi Output Constant Current • t_c

Model: KIP-025-TD

Input: 180-240V~ 0.34A 50/60Hz

Pout: Max 25W Uout: 5-50V

Iout: 300-900mA

(Constant)

ta: 40°C tc: 85°C

		T ON		T OFF					
300mA	350mA	500mA	550mA	650mA	700mA	850mA	900mA		
5-50V	5-50V	5-50V	5-45V	5-38V	5-35V	5-30V	5-28V		
15W	17.5W	25W	24.7W	24.7W	24.5W	25.5W	25.2W		



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※Input with Live Wire AC (L), Neutral Wire AC(N)

※Output LED SEC output Positive (LED+) , output negative(LED-). Connected to LED Lamps.

※ Suggested wire diameter:Input 0.75-2.5mm²; Output:0.5-2.5mm².

※ Please make sure you connect these correctly otherwise your product will not function correctly and could be damaged.

※Note: Any other requests we can customized.

■Dimming Operation

※Output constant current level can be adjusted through input terminal of the AC phase line(L) by connection a triac dimmer.

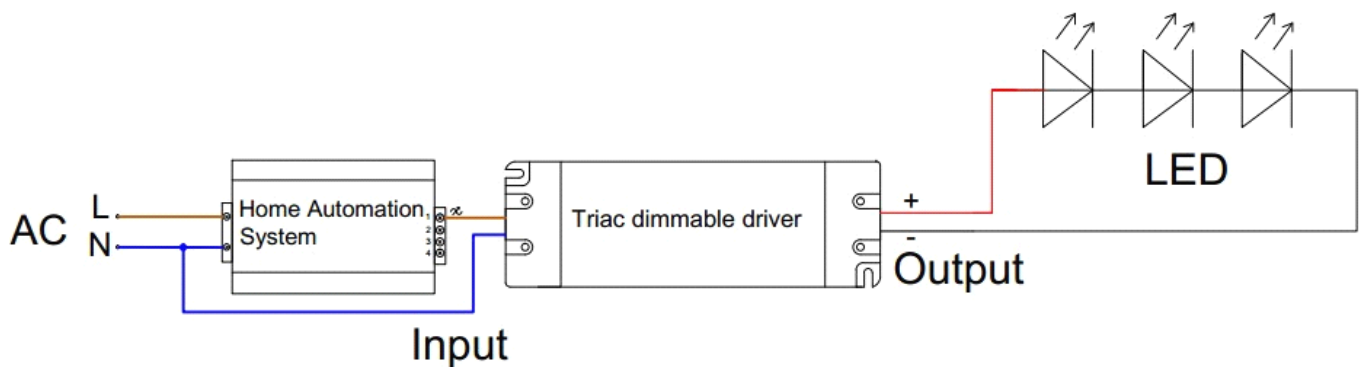
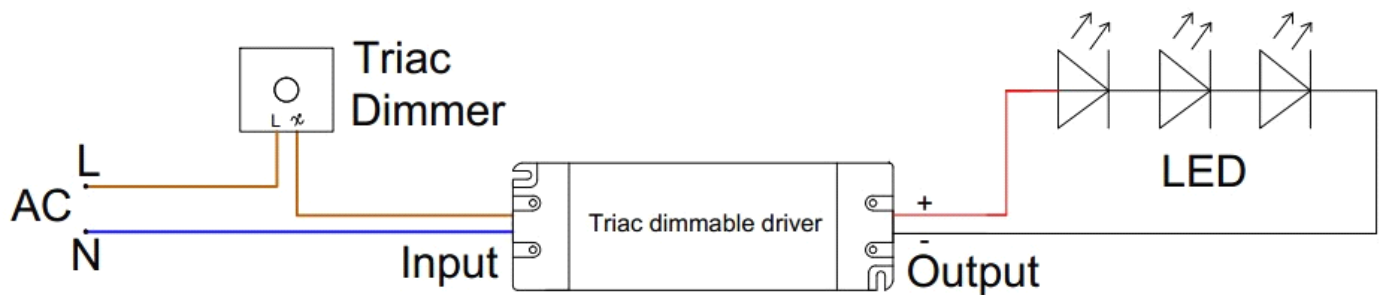
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※Usually matching with leading edge Triac Dimmers.

※please try to use the small power dimmer, have access to a wider dimming range, high-power dimmer is difficult to achieve the output current to zero

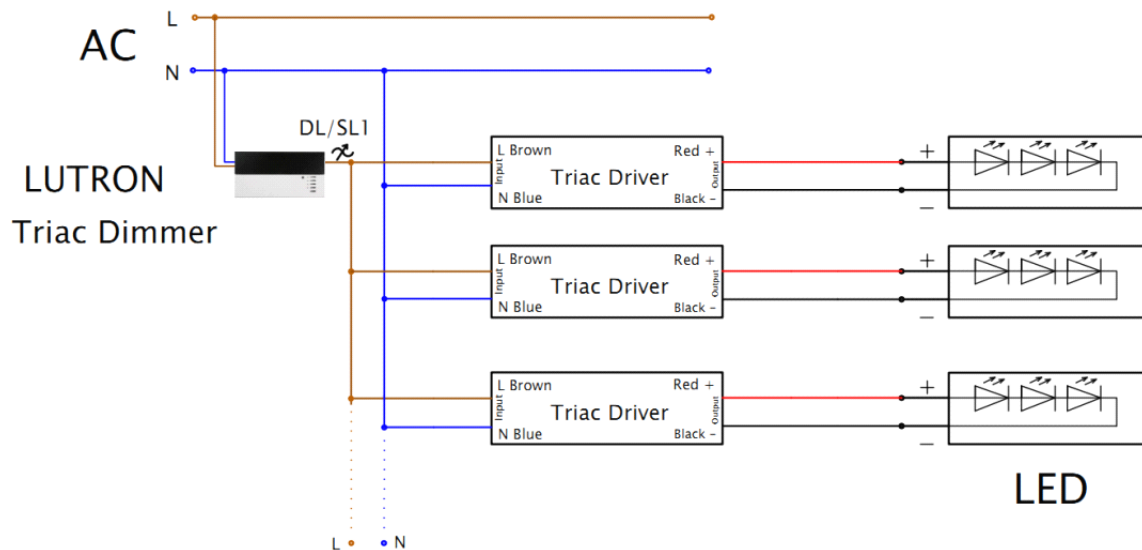
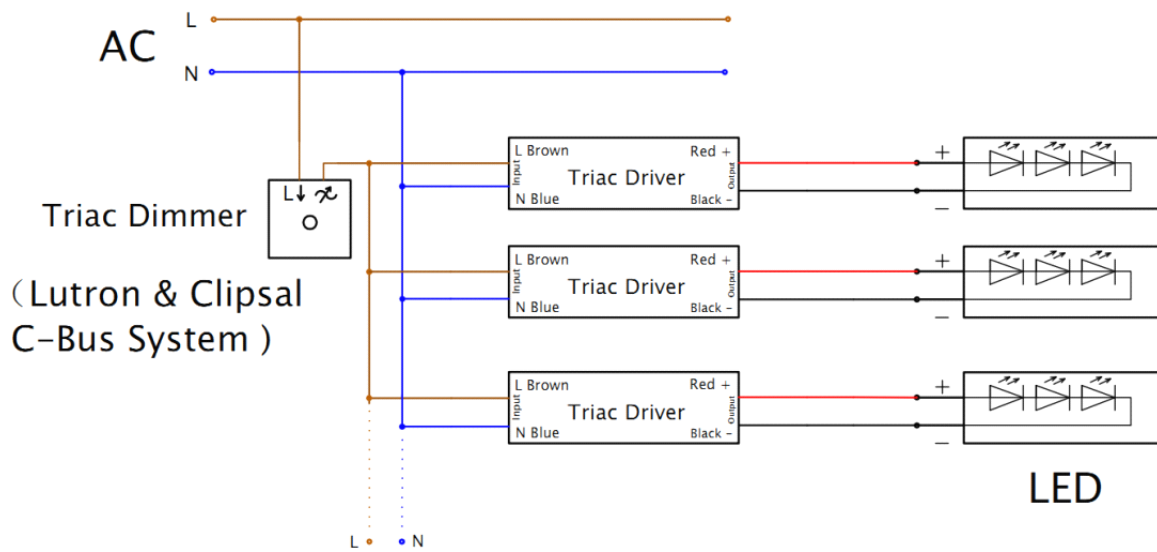
※please try to use dimmers with power at least 3 times as the output power of the driver.

■ Connecting Diagram in Single (I)

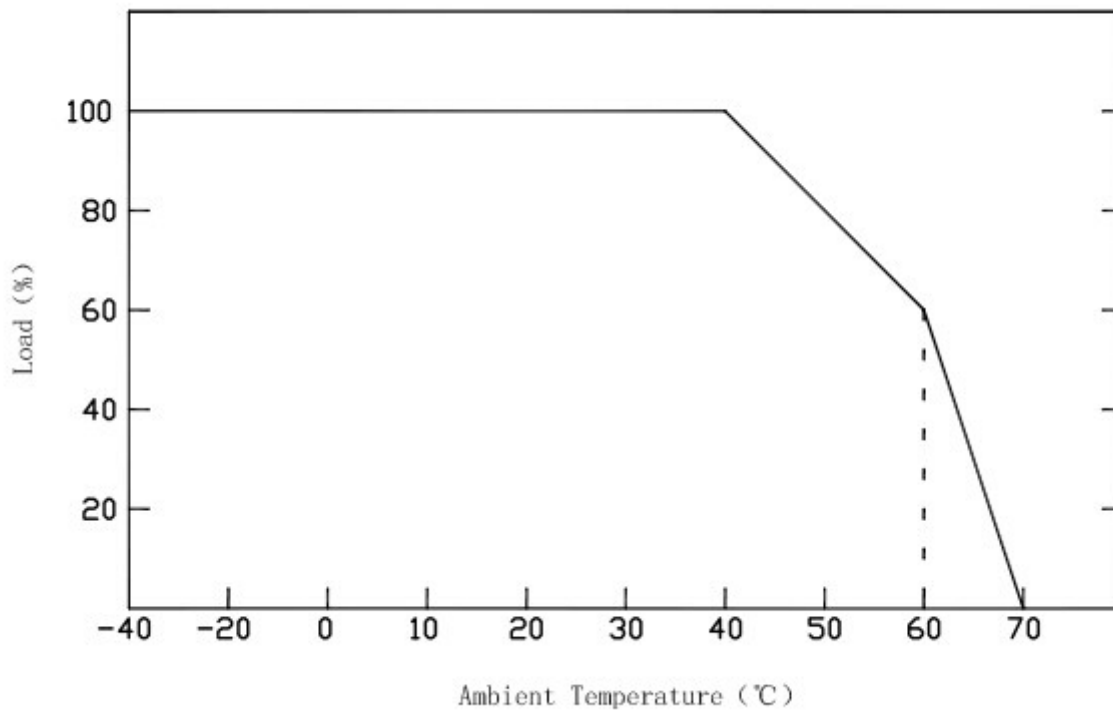


■ Connecting Diagram Multiple(II)

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Derating Curve



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

■Instruction:

- 1) This driver should be installed by qualified and professional person;
- 2) Please make sure the transformer is installed with adequate ventilation around it to allow for heat dissipation.
- 3) Ensure that wiring is correct before test in order to avoid light and power supply damage;
- 4) If driver cannot work normally, don't maintain privately; Have any question, please contact Shengchang.

Any other question please feel free to contact ZHUHAI SHENGCHANG ELETRONICS CO