

**Triac dimmable driver---Constant Current DIP Adjustment Multi-current output series 15W**



■ **Features:**

- Output constant current
- Range AC input :180-240VAC
- Efficiency 77% 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**



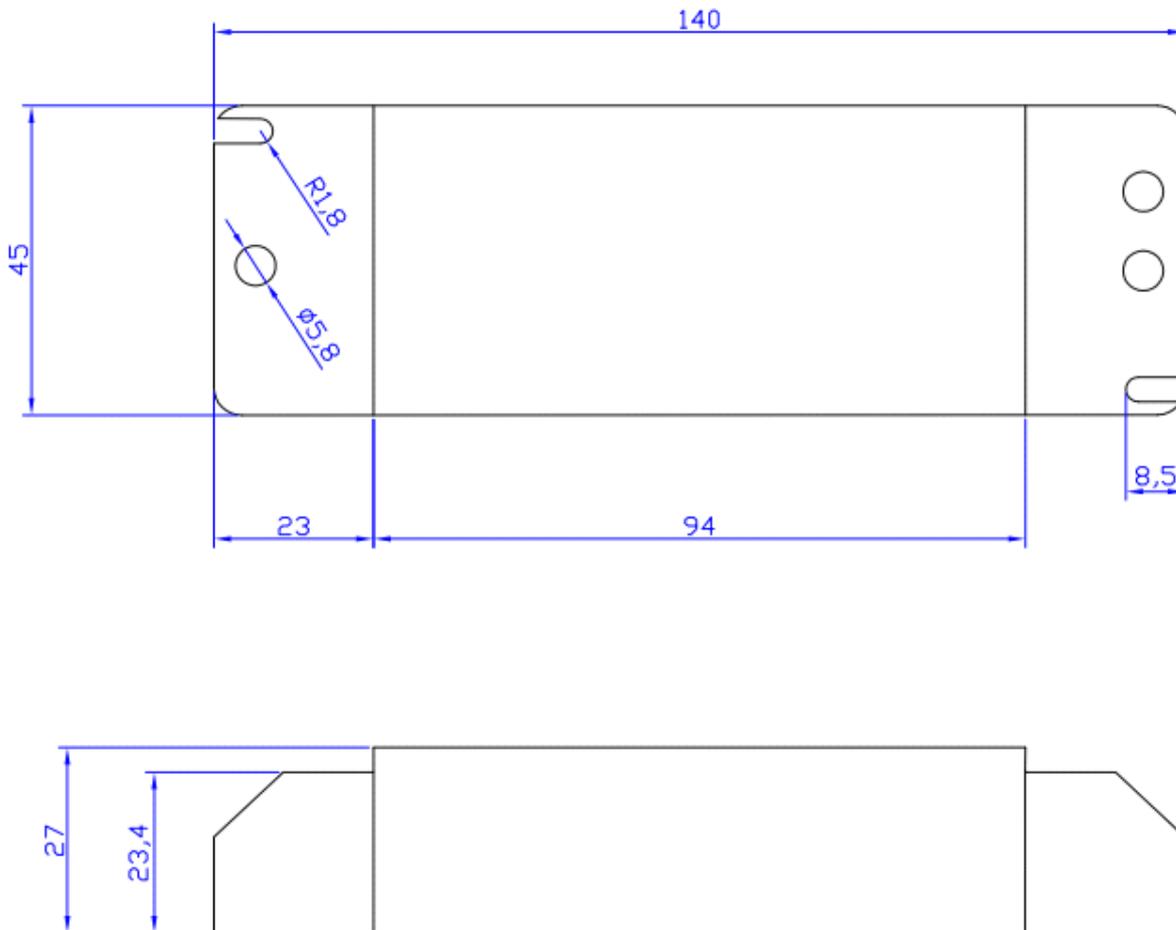
Model		KIP-015-TD							
<b>Output</b>	Rated current	700mA ●●●●	600mA ○●●●	500mA ●○●●	450mA ●●●○	400mA ○○●●	350mA ○●○○	250mA ●○○○	150mA ○○○○
	Current Tolerance	±5%							
	DC Voltage	5-22V	5-25V	5-30V	5-33V	5-37V	5-45V	5-50V	20-50V
	Rated power	15.4W	15W	15W	14.85W	14.8W	15.75W	12.5W	7.5W
<b>Input</b>	Rated Input Voltage	180-240VAC							
	Rated Frequency:	47-63HZ							
	Power Factor	PF≥0.55/180VAC PF≥0.55/230VAC PF≥0.55/240VAC(Full loading)							
	Full Load Efficiency(Typ.)	76%	76%	77%	77%	77%	77%	76%	68%
	AC Current(Max.)	0.22A	0.22A	0.22A	0.21A	0.21A	0.22A	0.18A	0.13A
	Leakage current	<0.50mA							
<b>Protection</b>	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed							
	Output No-Load Voltage	52-60V							
	Over Load	≤ 120%							
	Protection Class:	II							
<b>Environment</b>	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,5G 12min./1 cycle,period for 72min.each along X,Y,Z axes							
<b>Safety &amp; EMC</b>	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							
	EMC EMISSION	EN55015, EN61000-3-2,3 (≥ 50% load)							
	EMC IMMUNITY	EN61000-4-2,3,4,5,6 ,11, EN61547,A light industry level (surge 4KV)							
<b>Others</b>	Weight	0.19Kg							
	Size	140*45*27mm(L*W*H)							
	packing	145*50*36mm for inner box 320*280*215mm(50PCS/CTN ) for outer carton							

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**Notes**

1. All parameters NOT specially mentioned are measured at 230VAC input , rated load and 25°C of ambient temperature.
2. Tolerance: includes set us tolerance, line regulation and load regulation .

**■ Mechanical Specification**



**■ Label**

**LED Driver (Triac Dimming-Leading edge)**  
**Multi Output Constant Current**  
 Model: KIP-015-TD  
 Input: 180-240V ~ 0.22A 50/60Hz  
 Pout: Max 15W Uout:5-50V  
 Pout: 150 - 700mA(Constant)  
 ta:50°C tc:90°C

150mA	250mA	350mA	400mA	450mA	500mA	600mA	700mA
20-50V	5-50V	4-40V	5-38V	5-35V	5-30V	5-25V	5-22V
Max Power	7.5W	12.5W	15.8W	15.2W	15.8W	15W	15.4W

• tc

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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 0.75-2.5mm<sup>2</sup>; Output:0.5-2.5mm<sup>2</sup>.
- ※ 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**

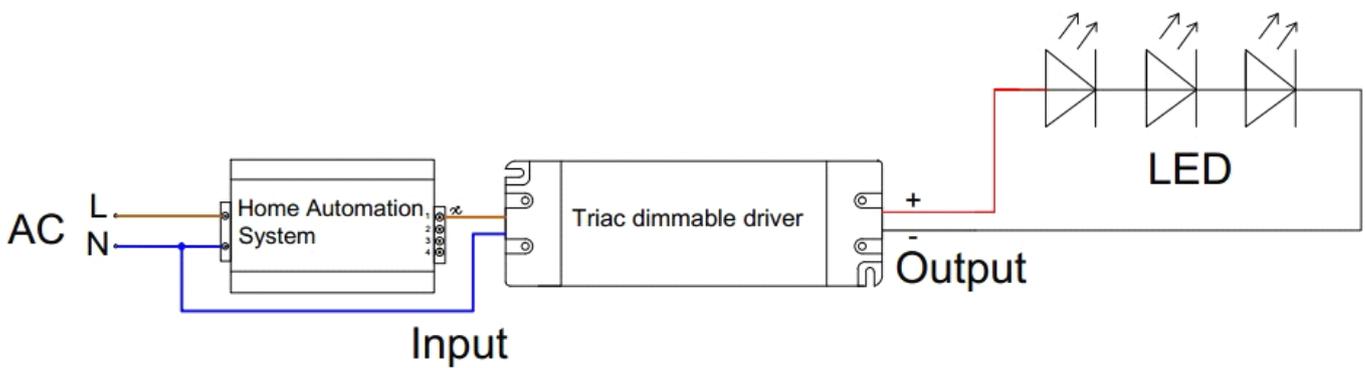
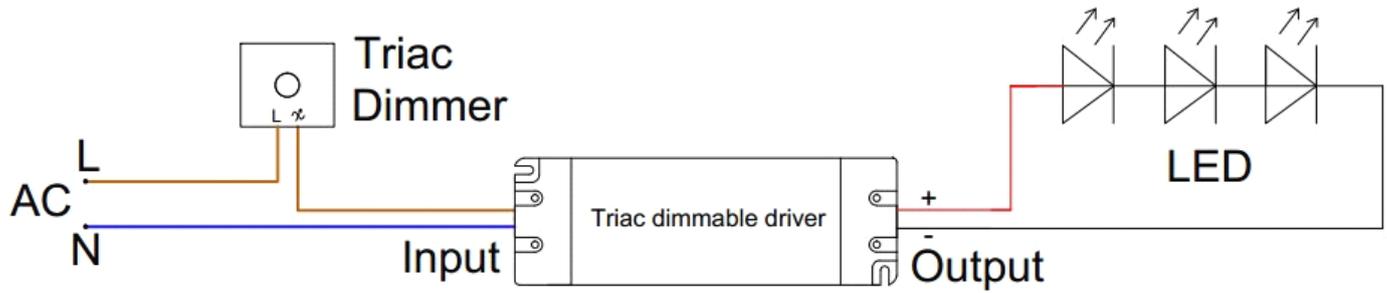
- ※Output constant current level can be adjusted through input terminal of the AC phase line(L) by connection a triac dimmer.
- ※Usually matching with leading edge Triac Dimmers.

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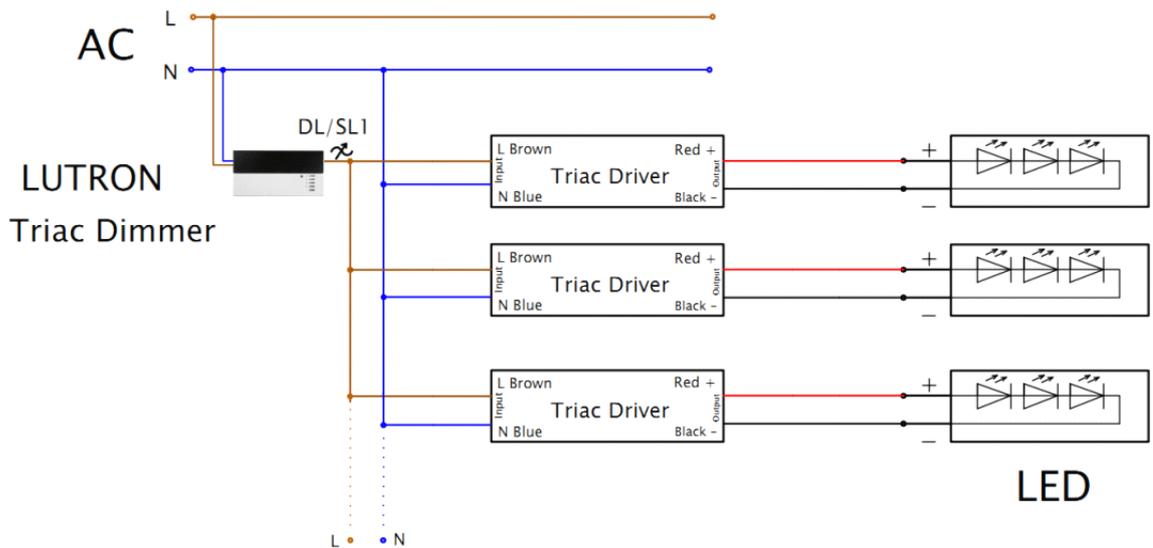
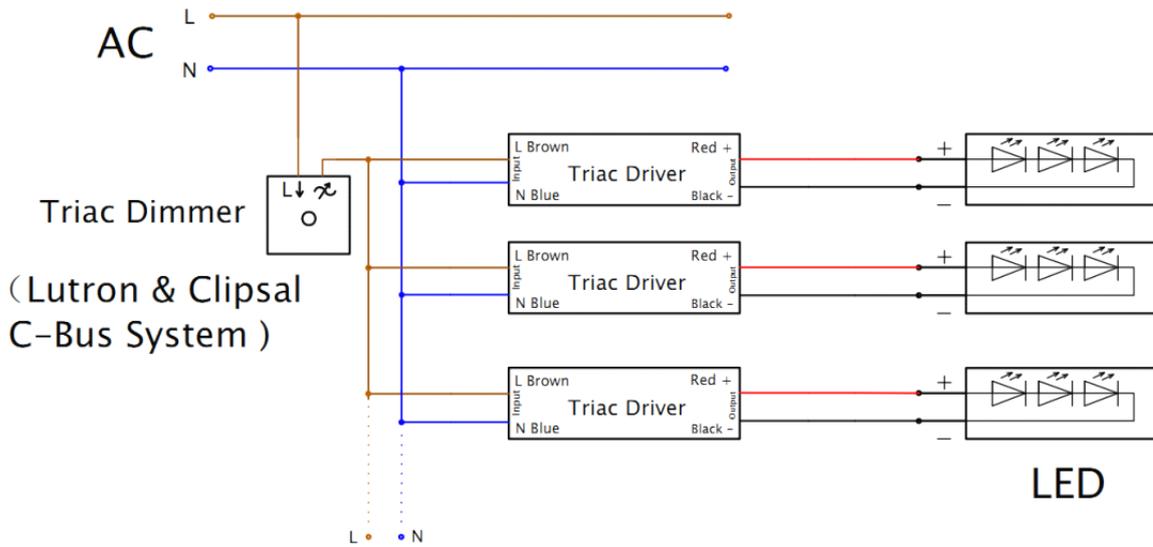
※please try to use the small power dimmer, have access to a wider dimming range, high-power dimmer is difficult to achieve the output current to zero

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

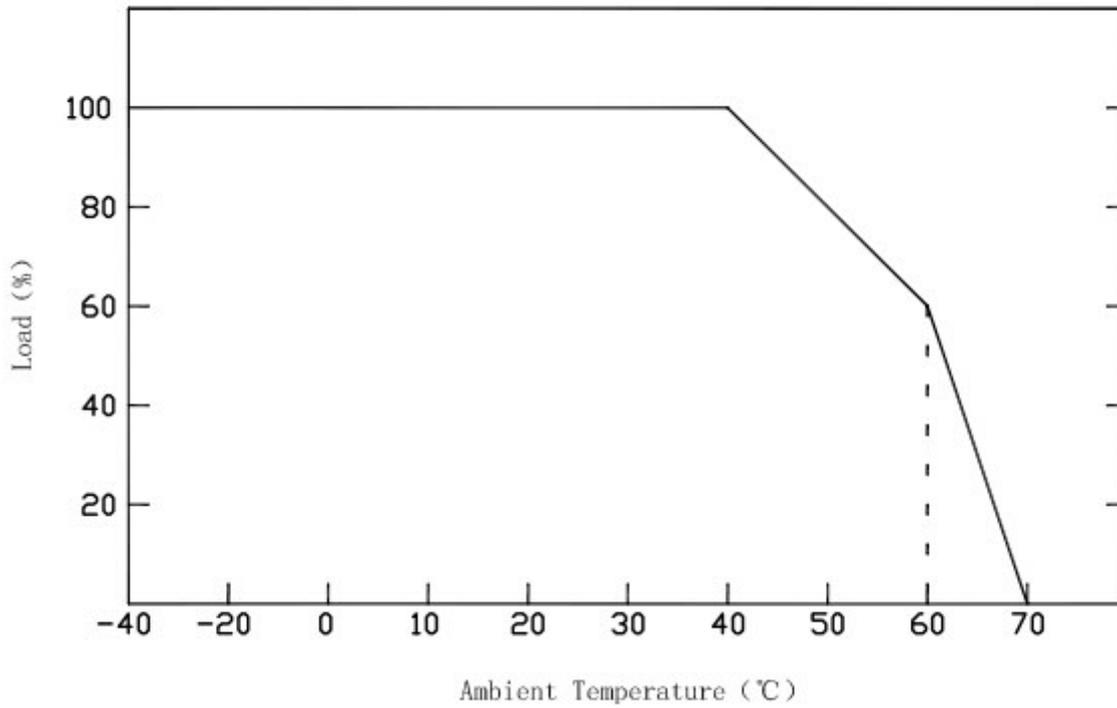
**■ Connecting Diagram in Single (I)**



■ Connecting Diagram Multiple(II)



## 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