

Constant Voltage Phase/Triac dimmable driver---36W series
■ Features:

- Output constant voltage
- Universal AC input: 100-130VAC
- High efficiency : up to 86%
- 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

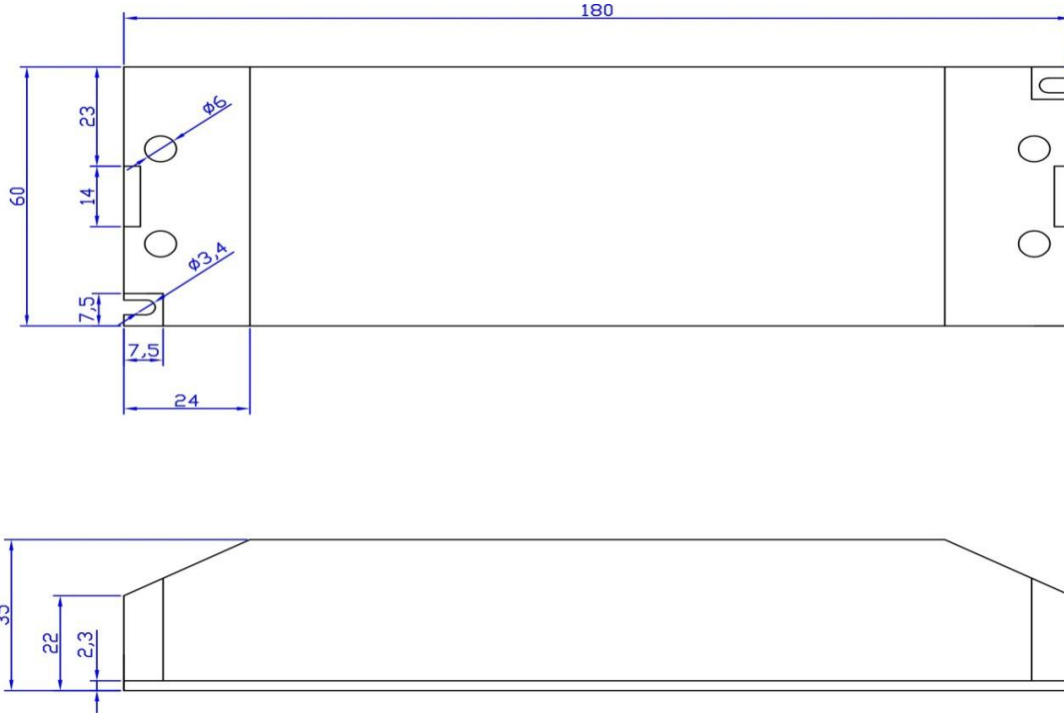

■Specification

Model		KV-12036-TDL	KV-24036-TDL	KV-36036-TDL	KV-48036-TDL
Certificates		ETL,cETL,FCC	ETL,cETL,FCC	ETL,cETL,FCC	ETL,FCC
Output	DC Voltage	12V	24V	36V	48V
	Voltage Tolerance	±0.5V			
	Rated current	3A	1.5A	1A	0.75A
	Rated power	36W			
Input	Voltage Range	100~130VAC			
	Frequency Range	47~63HZ			
	Power Factor	PF≥ 0.95 (Full loading)			
	Efficiency (Typ.)	81%	83%	85%	86%
	AC Current (Max.)	0.49A	0.47A	0.46A	0.45A
	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	0.55Kg			
	Size	180*60*35mm (L*W*H)			
	packing	350*195*180mm 20PCS/CTN			

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Notes	<ol style="list-style-type: none"> 1. All parameters if NOT specially mentioned are measured at 120VAC input , rated load and 25°C of ambient temperature. 2. To extend the driver's using life ,please reduce the loading at lower input voltage. 3.Loading should be 60-100%.
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■ Mechanical Specification for KV series 36W 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

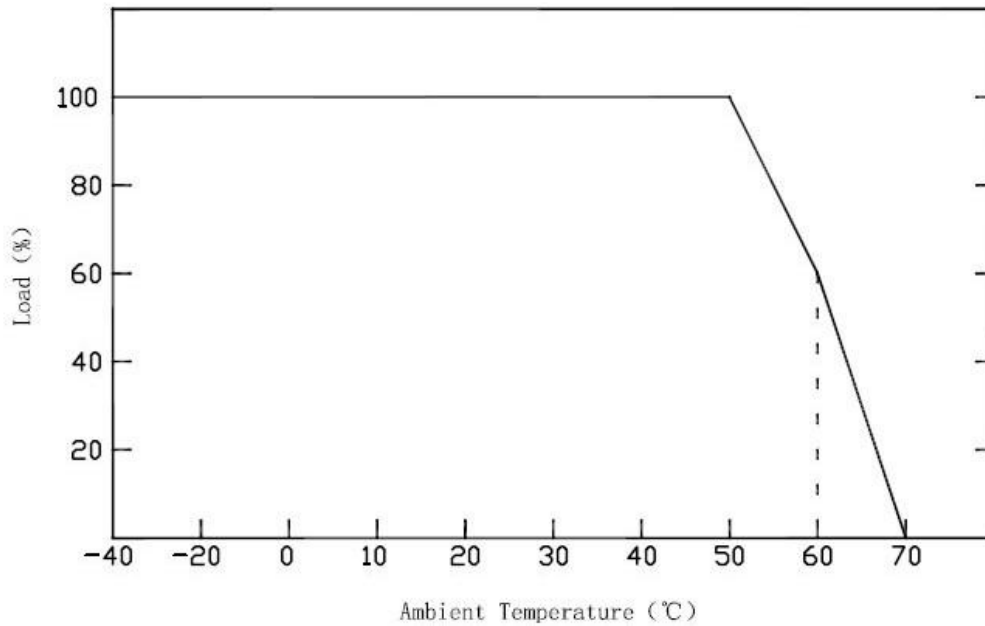
- ※ Prevent to reverse polarity;
- ※ Risk of Electric Shock. When used outdoors, install only on a circuit protected by a Class A GFCI;

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※ Risk of Fire. Installation involves special wiring methods to run wiring through a building structure. Consult a qualified electrician;

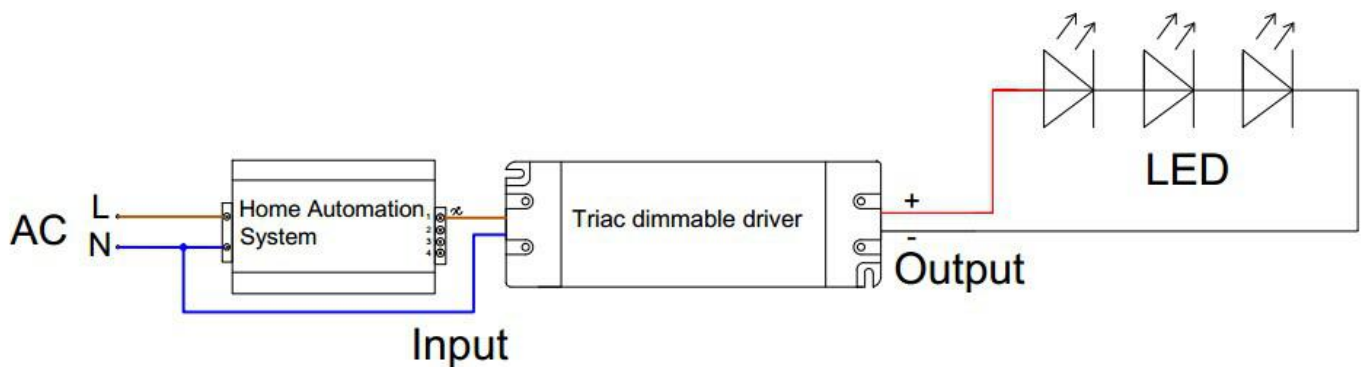
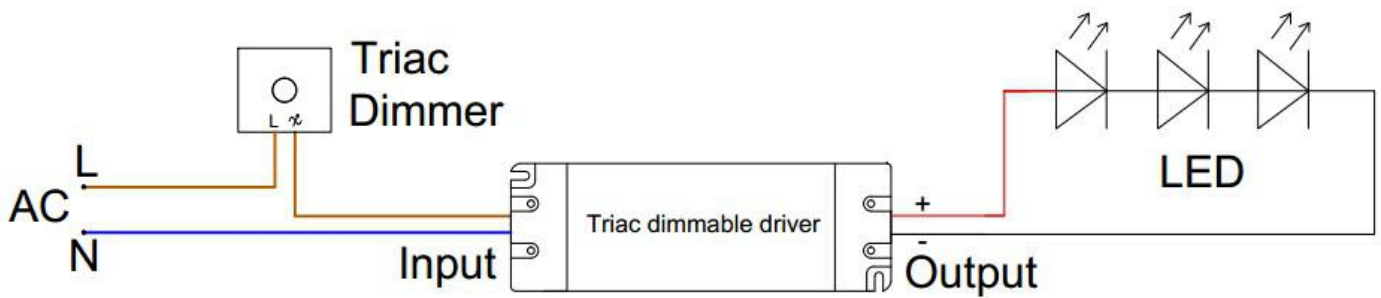
※ Risk of Electric Shock. Mount the unit at a height greater than 1 foot from the ground surface.

■ Derating Curve



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

■ Single Driver Connecting Diagram



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Multiple Drivers Connecting Diagram

