

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

- Output constant current
- Universal AC input: 100-130VAC
- High efficiency :up to 87%
- 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 location use only, IP20

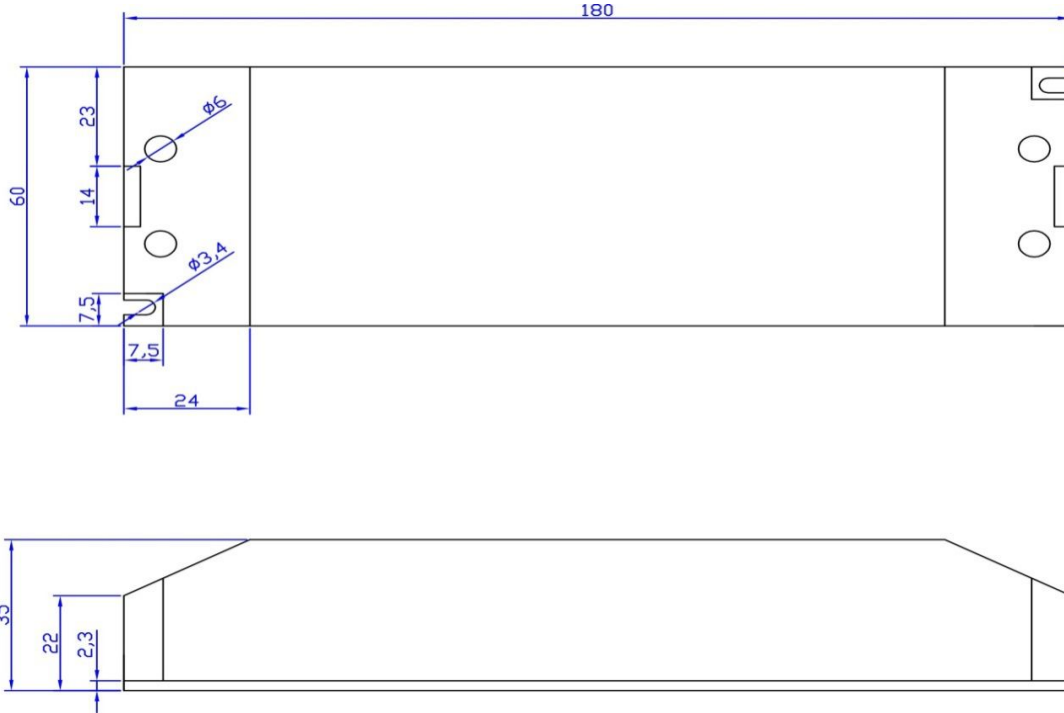

■Specification

Model	KI-56700-TDL	KI-42840-TDL	KI-42900-TDL	
Certificates	ETL,FCC	ETL,CC	ETL,FCC	
Output	Rated current	700mA	840mA	900mA
	Current Tolerance	±5%		
	DC Voltage	32-56V	25-42V	25-42V
	Open circuit voltage(Max.)	61V	47V	47V
	Rated power	39.2W	35.28W	37.8W
Input	Voltage Range	100~130VAC		
	Frequency Range	47~63HZ		
	Power Factor	PF≥0.95 (Full loading)		
	Efficiency (Typ.)	87%	87%	87%
	AC Current (Max.)	0.49A	0.44A	0.47A
	Leakage current	< 0.50mA/120VAC		
Protection	Short Circuit	Hiccup mode, recover automatically after fault condition is removed		
	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℃, 10~90%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

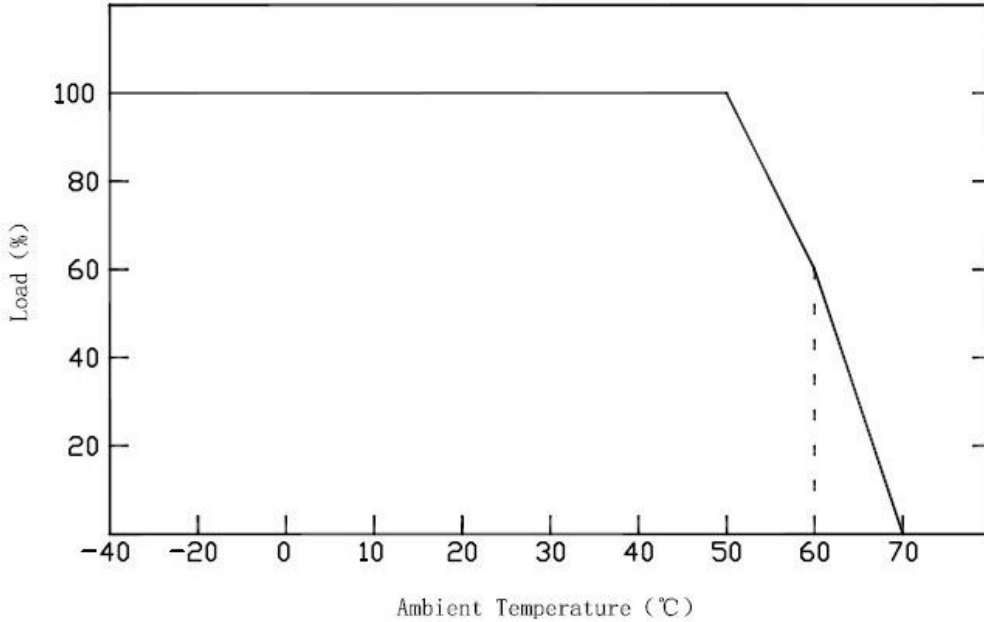
※Prevent to reverse polarity;

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

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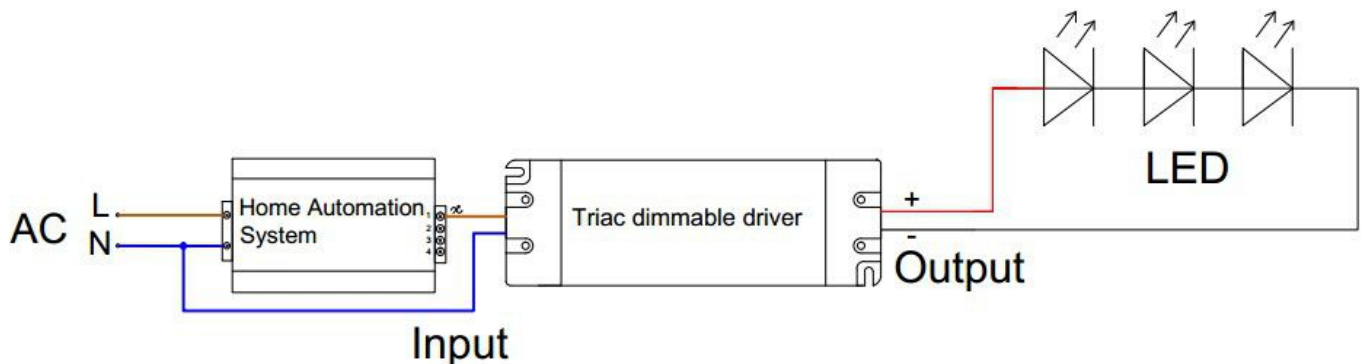
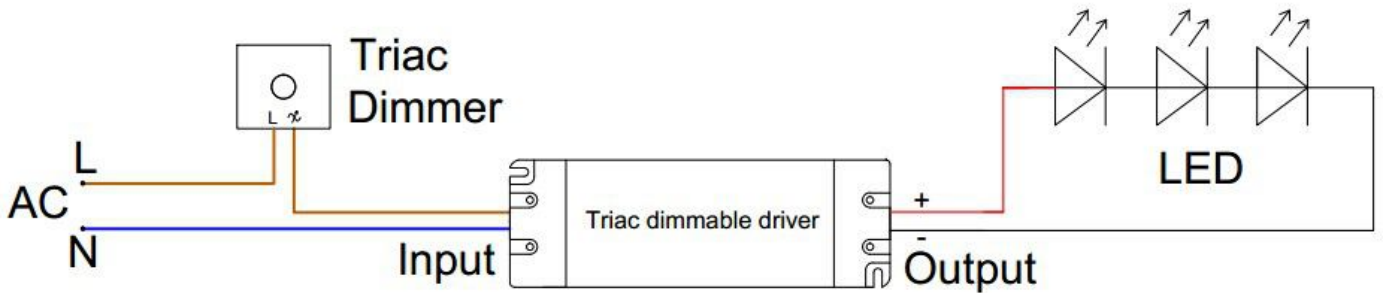
- ※ Risk of Fire. Installation involves special wiring methods to run wiring through a building structure. Consult a qualified electrician;
- ※ Risk of Electric Shock. Mount the unit at a height greater than 1 foot from the ground surface.

■ 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

