

- Support Triac leading edge, ELV trailing edge and push DIM dimming.
- Built-in single chip, dimming curve and smoothing time can be customized.
- Dimming range: 0-100%, LED start at 0.1% possible.
- Over load / Over-heat / Short circuit protection, recover automatically.
- Class 2 power supply. Full protective plastic housing.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for internal lights application for I /II/III.



**SELV** **RoHS**

**Dimmable:**  
●●●●●●●●●●  
Max: 0.1-100%



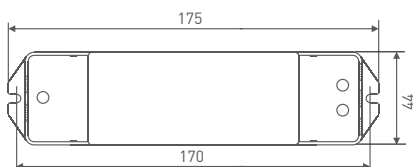
### Specification

Model	TD-36-12-E1P1	TD-36-24-E1P1	
<b>OUTPUT</b>	Output Voltage	12Vdc	24Vdc
	Output Voltage Range	12Vdc ± 0.5Vdc	24Vdc ± 0.5Vdc
	Output Current	Max. 3A	Max. 1.5A
	Output Power	Max. 36W	
	Output Power Range	0~36W	
	Dimming Range:	0-100%, dimming depth: Max. 0.1%	
	Overload Power Limitation	≥ 102%	
	Ripple & Noise	≤ 120mV	
	PWM Frequency	300Hz	
<b>INPUT</b>	Dimming Interface	Triac/ELV, Push DIM	
	Input Voltage	200-240Vac	
	Frequency	50/60Hz	
	Input Current	230Vac ≤ 0.4A	
	Efficiency(typ.)	85%	87%
	Inrush Current(typ.)	Cold start 40A at 230Vac	
	Anti Surge	L-N:1KV	
	Leakage Current	<0.5mA/277Vac	
<b>ENVIRONMENT</b>	Working Temperature	ta: -30 ~ 55°C tc: 70°C	
	Working Humidity	20 ~ 95%RH, non-condensing	
	Storage Temp., Humidity	-40 ~ 80°C, 10~95%RH	
	Temp. Coefficient	±0.03%/°C(0-50°C)	
	Vibration	10-500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes.	
<b>PROTECTION</b>	Over-heat Protection	Intelligently adjusting or turning off the output current if the PCB temperature ≥ 110°C, and the output current will be restored automatically when the temperature comes normal.	
	Over Load Protection	Power limit when rated power ≥ 102%, auto recovers when the load is reduced.	
	Short Circuit Protection	Shut down automatically if short circuit occurs, auto recovers after faulty condition is removed.	
<b>SAFETY &amp; EMC</b>	Withstand Voltage	I/P-O/P: 3750Vac	
	Isolation Resistance	I/P-O/P: 100MΩ/500VDC/25°C/70%RH	
	Safety Standards	IEC/EN61347-1, IEC/EN61347-2-13	
<b>OTHERS</b>	Dimension	175×44×30mm(L×W×H)	
	Packing	178×48×33mm(L×W×H)	
	Weight(G.W.)	185g±10g	

\* The driver is suitable for connecting resistor current-limiting LED fixture (e.g. LED strip). The instantaneous surge current will be several times increased if connecting built-in constant current IC current-limiting LED fixtures, the driver will activate the overloaded protection (hiccups flickering). When you order, please remark controlling the constant current LED fixture (e.g. MR16 lamp, underground light, LED wall washer, constant current LED strip, etc.), then we can prepare the special programs.

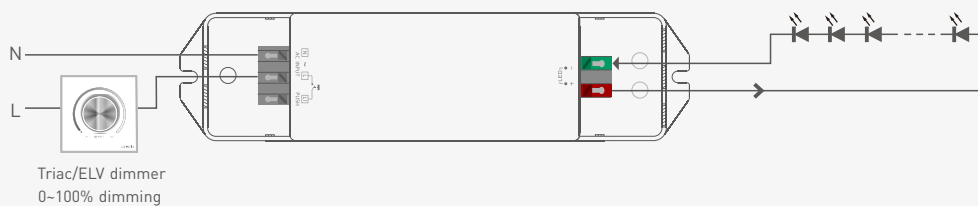
### Dimensions

Unit : mm



## Connections

### Triac/ELV connection



### Push Dim connection



The dimming interface priority: First Triac/ELV, next Push Dim.

## Push dimming



Reset Switch

- On/off control: Short press.
- Stepless dimming: Long press.
- With every other long press, the light level goes to the opposite direction.
- Dimming memory: Brightness will be the same as previously adjusted when turning off and on again.

\* No further notice if any changes in the manual.  
Product function depends on the goods.  
Please feel free to contact our official distributor if any question.