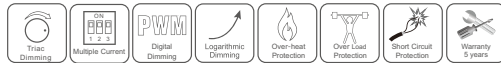
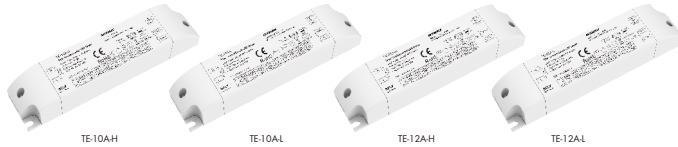


Triac Constant Current LED Driver

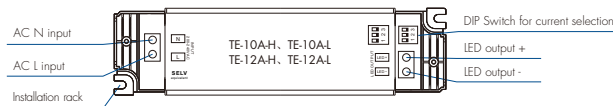
Model No.: TE-10A-H, TE-10A-L, TE-12A-H, TE-12A-L



Features

- Dimming interface: Triac/ELV
- Apply to leading edge/trailing edge Triac dimmers and dimming system
- PWM digital dimming, no alter LED color rendering index
- 1 channel constant current output, configurable current via DIP switch
- Overheat / Overvoltage / Overload / Short circuit protection, recover automatically
- Full protective plastic case
- Suitable for indoor LED lighting application
- 5 Year, 50,000hr warranty

Mechanical Structures and Installations



Technical Parameters

Model	TE-10A-H	TE-10A-L	TE-12A-H	TE-12A-L		
Output	Output Voltage	3.24VDC	9.45VDC	3.24VDC	9.45VDC	
	Max Output Voltage	30VDC	48VDC	30VDC	48VDC	
	Output Power	Max. 10W	Max. 10W	Max. 12W	Max. 12W	
	Output Current	350/700mA	100/450mA	350/700mA	100/450mA	
	Dimming Range	0~100%				
	PWM Frequency	2000Hz				
	Current Accuracy	±5%				
	Ripple & Noise	< 100mV				
	Rise time	1S/230VAC				
	Input Voltage Range	200~240VAC				
Input	Frequency Range	50/60Hz				
	Efficiency	>78%/230VAC				
	Alternating Current	0.13A/230VAC				
	Inrush Current	Cold start 10A at 230VAC				
	Anti Surge	L-N: 1KV				
	Leakage Current	< 0.5mA/230VAC				
	No Load Power	< 1.5W				
	Protection	Over Load Power	When O/P voltage exceed its range, O/P current declines, auto recovers when the load is reduced.			
		Short Circuit	Shut down automatically if short circuit occurs, auto recovers.			
		Over Temperature	Intelligently adjust or turn off the output current if the PCB temp > 100°C, auto recovers.			
Environment	Working Temperature	-30°C~55°C				
	Tcase Max	70°C				
	Working Humidity	20%~90%RH, non-condensing				
	Storage Temp/Humidity	-40°C~80°C, 10%~95%RH				
	Temperature Coefficient	±0.03%/°C (0.50%)				
	Vibration Resistance	10-5000Hz, 2G, 6min/cycle, X,Y,Z axes/2min				
Safety&EMC	IP Rating	IP20				
	Security Specifications	IEC/EN61347-1, IEC/EN61347-2:13				
	Withstand Voltage	I/PO/P: 3750VAC				
	Insulation Resistance	I/PO/P: 100MΩ/500VDC/25°C/70%RH				
	EMC Emission	EN55015, EN61000-3-2 Class C, IEC61000-3-2				
	EMC Immunity	EN61000-4-2, 3.4.5.6.8.11, EN61347				
Certifications	CE , EMC					

LED Current Selection:

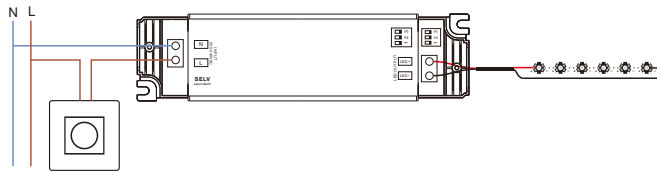
Model									
TE-10A-H	Output Voltage	3.24V	3.24V	3.22V	3.20V	3.18V	3.16V	3.15V	3.14V
	Output Current	350mA	400mA	450mA	500mA	550mA	600mA	650mA	700mA
TE-10A-L	Output Voltage	9.45V	9.45V	9.45V	9.40V	9.33V	9.28V	9.25V	9.22V
	Output Current	100mA	150mA	200mA	250mA	300mA	350mA	400mA	450mA
TE-12A-H	Output Voltage	3.24V	3.24V	3.24V	3.24V	3.22V	3.20V	3.18V	3.17V
	Output Current	350mA	400mA	450mA	500mA	550mA	600mA	650mA	700mA
TE-12A-L	Output Voltage	9.45V	9.45V	9.45V	9.40V	9.34V	9.30V	9.26V	
	Output Current	100mA	150mA	200mA	250mA	300mA	350mA	400mA	450mA

Applications

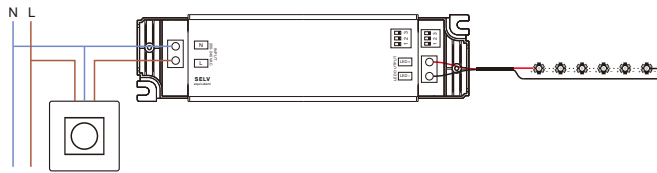
- Suitable for downlight, spotlight and decorative applications.
- Office / Commercial / Domestic Lighting, Hotels, Classrooms, Warehouse, Health care, Retail and Display.
- Use for retrofit upgrades & new luminaire designs.

Wiring Diagram

1. Connect Triac dimmer(no Neutral wire)



2. Connect Triac dimmer(with Neutral wire)



Triac Dimming Input

While connected with a Triac dimmer, such as Lutrom, Clipsal, Dynalite dimmer, different Triac dimmers from different suppliers may have different minimum dimming levels which the driver can not be dimmed below. To dim to 1%, please make sure the dimmer supports 1% minimum dimming level.

Dimming Curve

