

ELED-90P-T Series

90 Watt PREMIUM Triac Dimmable Driver



Features:

- Constant voltage/ PWM Output
- Leading & Trailing edge dimmable
- AC input: 200-240VAC
- Built-in active PFC function
- Efficiency up to 86%
- Protections: Short circuit/ Over loading/ Over current/ Over temperature
- Full protection plastic housing easy installation
- Cooling by free air convection
- Suitable for LED lighting and moving signs

ϵ	⊕ SELV	IP20	

	ELED-90P-12T	ELED-90P-24T		
Output Specifications				
Output Voltage	12V	24V		
Voltage Tolerance	±0.5V			
Output Current	7.5A	3.75A		
Rated Power	90W			
Input Specifications				
Input Voltage	200-240VAC			
Frequency Range	47-63Hz			
Inrush Current	68A (Twidth=130μs 230VAC)			
Full Load Efficiency (Typ.)	86%			
AC Current (Max.)	0.6	0.65A		
Leakage Current	<0.50mA			
Power Factor	PF>0.98/200VAC PF>0.98/230VAC PF>0.98/240VAC (Full Loading)			
Protection				
Short Circuit	Shut down o/p voltage, re-power on to recover after fault condition is removed			
Over Loading	≤120%, shut down o/p voltage, re-power on to recover			
Over Current	≤1.2 °	≤1.2 *I out		
Over Temperature	100°C± 10°C shut down o/p voltage, re-power on to recover			
Environment				
Working Temperature	-40~+70°C (Refer to derating curve)			
Working Humidity	midity 20-90% RH, non-condensing			
Storage Temperature, Humidity	-40~+80°C, 10-95% RH			

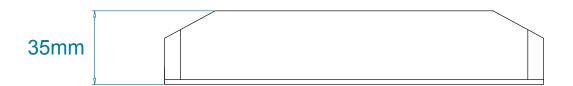




ELED-90P-T Series 90 Watt PREMIUM Triac Dimmable Driver

Environment		
Temperature Coefficient	±0.03%/°C (0-50°C)	
Vibration	10-500Hz, 2G 10min./ 1 cycle, period for 72min.each along X, Y, Z axes	
Safety & EMC		
Safety standards	EN61347-1, EN61347-2-13	
Withstand Voltage	I/P-O/P: 3.75KVAC	
Isolation Resistance	I/P-O/P:100MΩ/500VDC/25°C/70%RH	
EMC Emission	Compliance to EN55015, EN61000-3-2,3 (>60%load)	
Other Specifications		
Weight	0.45 Kg	
Size	180 x 60 x 35 mm	
Packing	355 x 215 x 215 mm (20PCS/CTN)	
Mechanical Specifications		



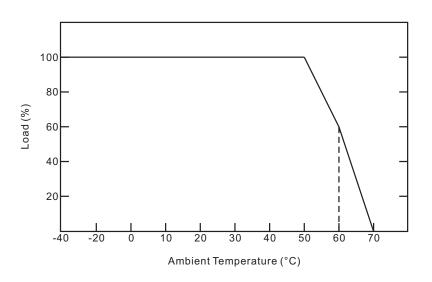






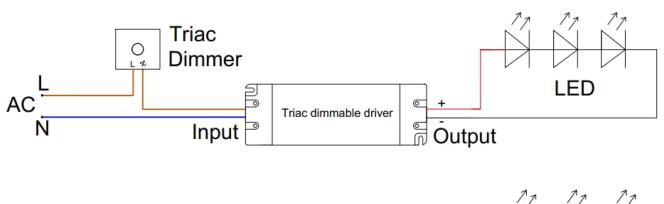
ELED-90P-T Series 90 Watt PREMIUM Triac Dimmable Driver

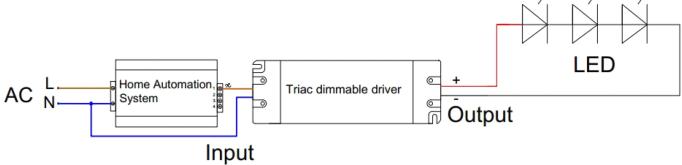
Derating Curve



Connecting Diagram

■ Single Driver Connecting Diagram







ELED-90P-T Series

90 Watt PREMIUM Triac Dimmable Driver

Connecting Diagram

■ Multiple Drivers Connecting Diagram

