

30 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 79%
- 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



Models

	RND 500-00027	RND 500-00028
Output Specifications		
Output Voltage	12V	24V
Voltage Tolerance	±0.5V	
Output Current	2.5A	1.25A
Rated Power	30W	
Input Specifications		
Input Voltage	200-240VAC	
Frequency Range	47-63Hz	
Inrush Current	30A (Twidth=90µs 230VAC)	
Full Load Efficiency (Typ.)	79%	
AC Current (Max.)	0.22A	
Leakage Current	<0.50mA	
Power Factor	PF>0.97/200VAC PF>0.97/230VAC PF>0.97/240VAC (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 *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	20-90% RH, non-condensing	
Storage Temperature, Humidity	-40~+80°C, 10-95% RH	

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Environment

Temperature Coefficient	$\pm 0.03\%/^{\circ}\text{C}$ (0-50°C)
Vibration	10-500Hz, 2G 10min./ 1 cycle, period for 72min.each along X, Y, Z axes

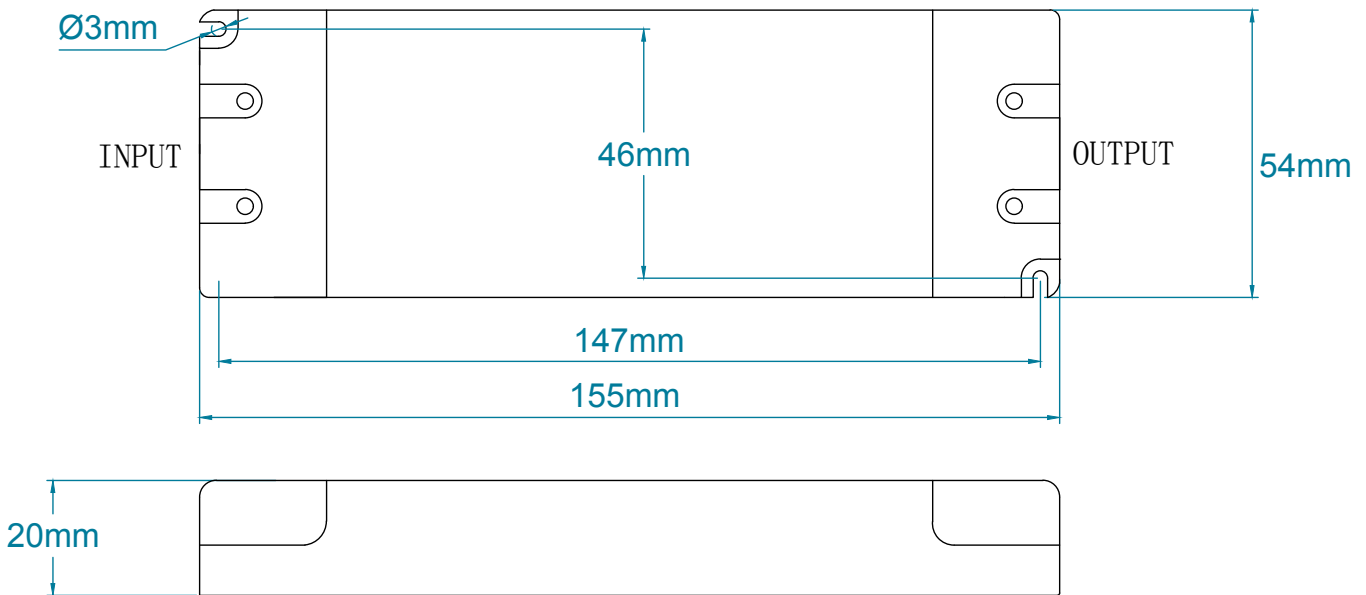
Safety & EMC

Safety standards	EN61347-1, EN61347-2-13
Withstand Voltage	I/P-O/P: 3.75KVAC
Isolation Resistance	I/P-O/P: 100M Ω /500VDC/25°C/70%RH
EMC Emission	Compliance to EN55015, EN61000-3-2,3 (>60%load)

Other Specifications

Weight	0.21 Kg
Size	155 x 54 x 20 mm
Packing	160 x 60 x 23 mm (inner box), 350 x 240 x 130 mm (40PCS/CTN)

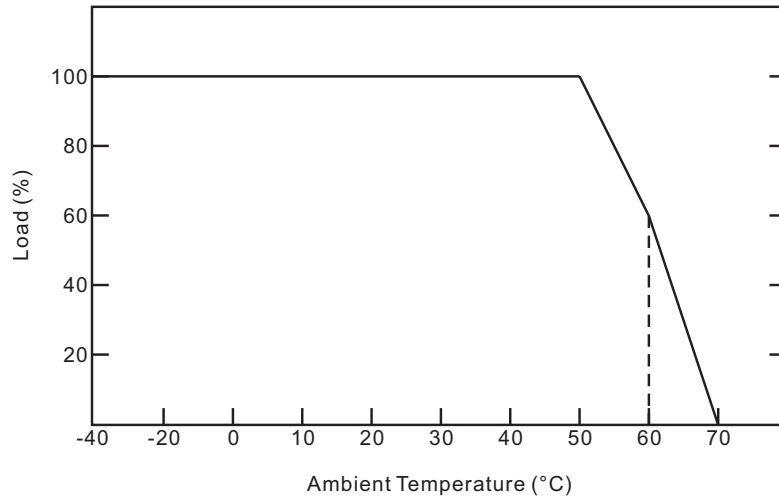
Mechanical Specifications



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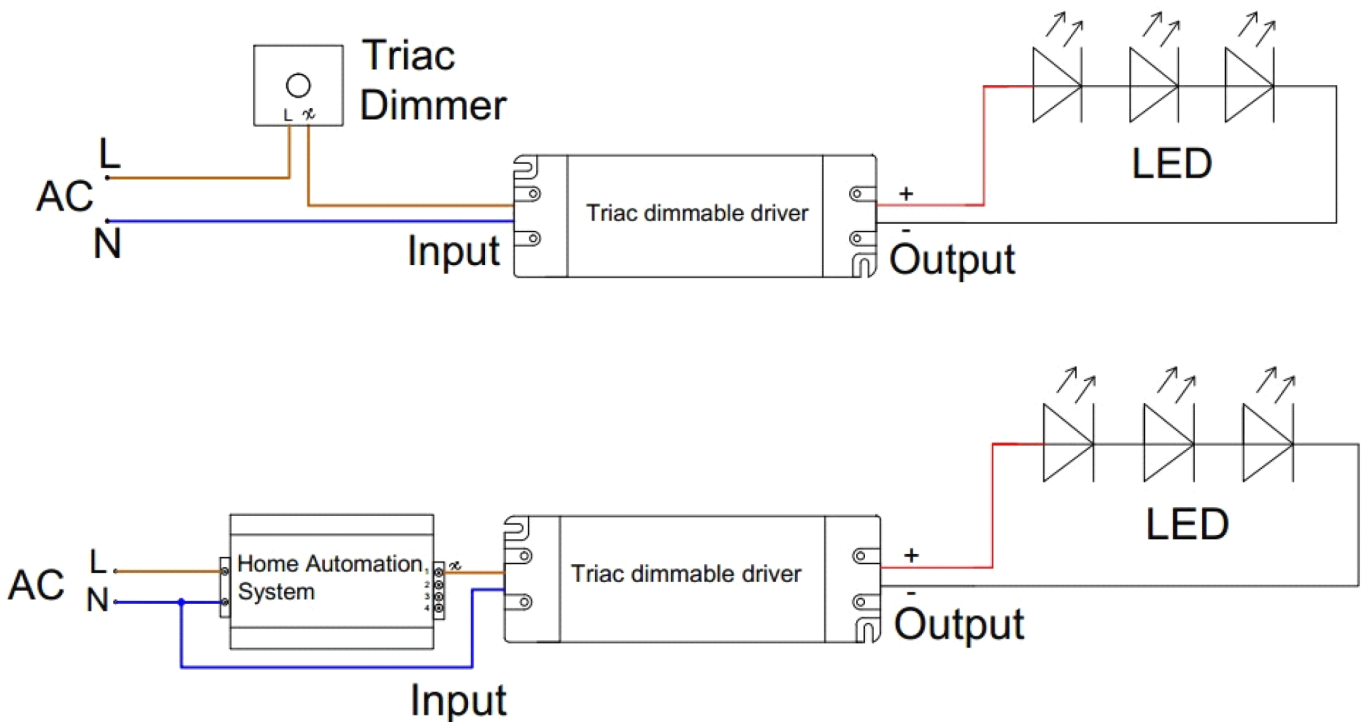


Derating Curve



Connecting Diagram

■ Single Driver Connecting Diagram



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Connecting Diagram

■ Multiple Drivers Connecting Diagram

