



ZHUHAI PT POWER TECHNOLOGY CO., LTD.

TRIAC Dimmable LED Power Supply



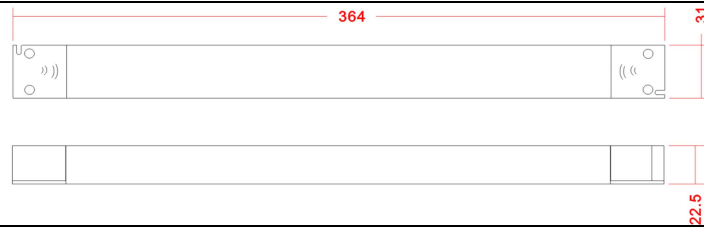
Features :

1. Dimming type: TRIAC/0-10V/1-10V/10V PWM/RX (5 in 1)
2. PWM digital dimming without changing CT index (CV mode)
3. Fully sealed internal potting, waterproof grade IP20, suitable for use in all-weather conditions
4. Beautiful design,natural and smooth dimming,no strobe
5. Dimming depth 0.1%, dimming range 0-100%
6. Built-in short-circuit protection/overload protection
7. High-efficiency power supply

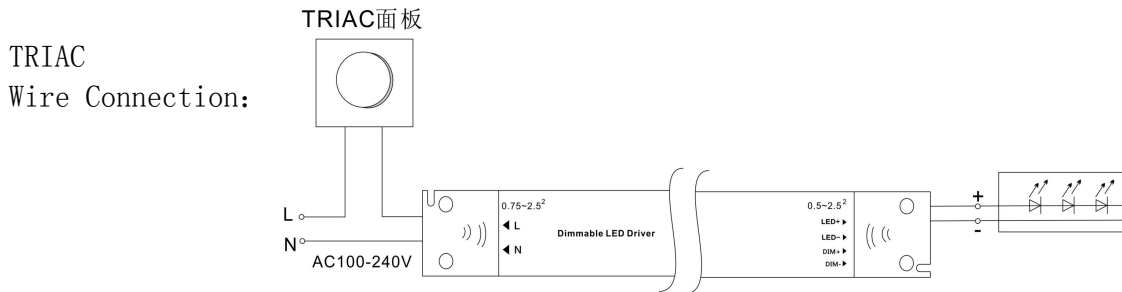


Model No. :		PVL-24100T-P1(TRIAC)
Output	Rated Output Voltage	24V
	Output current Range	0-4.17A
	Rated Output Power	100W
	Output Voltage Precision	±3%
	Load Regulation	±2%
	Output Ripple Noise	< 240mVP-P
Input	Input Voltage Range	100-277VAC
	Input Frequency Range	50-60HZ
	Power Efficiency	>92%
	PF	PF≥0.99/115Vac, PF≥0.95/230Vac, PF≥0.92/264Vac (100% Load)
	THD	@THD < 20%
	Leak Current	Max. 0.5mA
Protection	Over-temperature Protection (OTP)	We have 100 °C temperature control switch inside the power supply. If the power supply's abnormal temperature exceeds 100 °C, it will shut off the output.
	Overload Protection (OLP)	When the output current exceeds 110-150% of the power supply's rated output current, the power supply will enter a protection state. Protection type: Hiccup mode, recovers automatically after fault condition is removed.
	Short Circuit Protection (SCP)	1. When triggering the first level of short-circuit protection, the fault can be automatically restored after elimination. 2. When triggering the second level of short-circuit protection, it needs to be re-energized to recover after the fault is eliminated: turn off the power supply for 15 seconds and then power on again, the power supply will resume work.
Working Environment Protection	Working Temperature	-30°C~50°C (Pls refer to "Derating Curve")
	Storage Temperature	-40°C~80°C
	Ingress Protection Rating	90%RH non condensing, refer to IP20
	Shockproof Character	10-500HZ,2G 10min/1cycle,preiod for 60min,each along X,Y,Z axes
	Temperature Coefficient	±0.03%/°C (0-50°C)
Security Features	Security Standard	UL8750(Class P),CAN/CSA-C22.2 No. 250.13
	Withstand Voltage	I/P-O/P:3.75KVAC
	Insulation Resistance	I/P-O/P:>100M Ohms/500VDC/25°C/70% RH
	EMC	FCC part 15
Others	Outter Size	364*31*22.5mm(L*W*H)
	Weight/PCS	345g

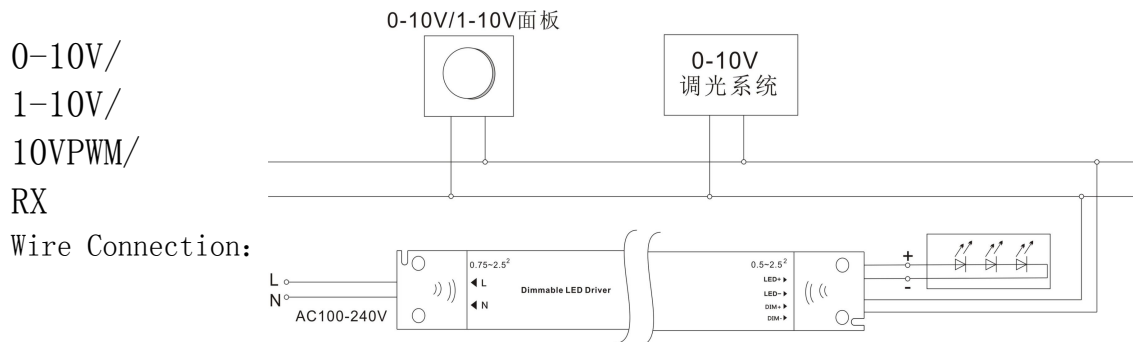
Outer Size (mm) :



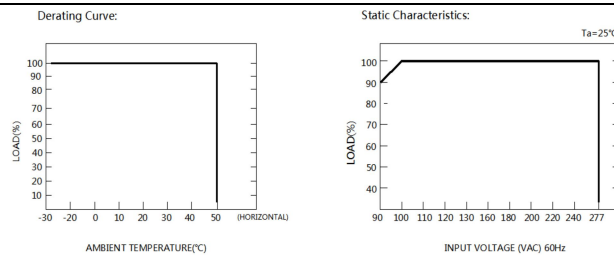
TRIAC Wiring Diagram:



0-10V/1-10V/10V PWM/RX Wiring Diagram:



Graph:



Packaging Specification :

1. Unit Packing: 35PCS
2. Carton Size: 37.5*21.5*21CM
3. G.W./CTN: 12KG

Note :

1. Short circuit or overload will cause power protection and may cause the power supply not working properly.
2. The connecting line between the power supply and load should be as short as possible. A too long or too thin connecting line will cause a voltage drop on the line. A too thin connecting line may easily cause safety hazards.
3. Please install the power supply in a well-ventilated place to ensure that the power supply has good ventilation and heat dissipation.
4. Live wiring is prohibited. Ensure wire connection is correct, check that there's no short circuit, and then turn on the power again.