



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

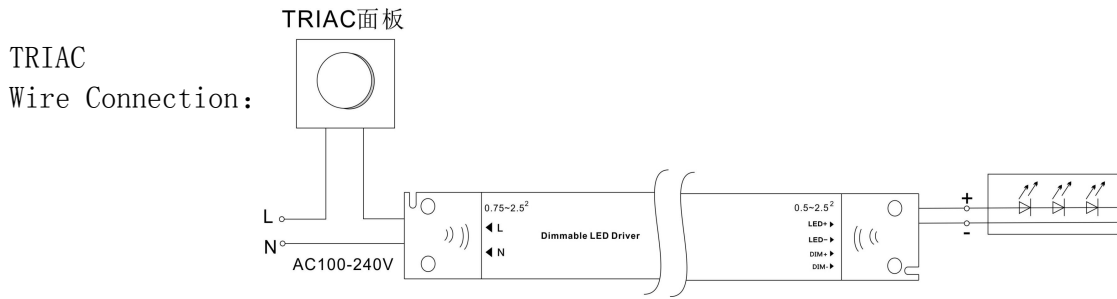


| | | |
|---------------------------------------|-----------------------------------|--|
| Model No. : | | PVL-24150T-P1 |
| Output | Rated Output Voltage | 24V |
| | Output current Range | 0-6.25A |
| | Rated Output Power | 150W |
| | Output Voltage Precision | ±3% |
| | Load Regulation | ±2% |
| | 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. |
| Protection | Overload Protection | When the load current exceeds 110-150% of the output current, the power |
| | Short Circuit Protection | The protection method is to cut off the output, 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 |
| | 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 | 350g |

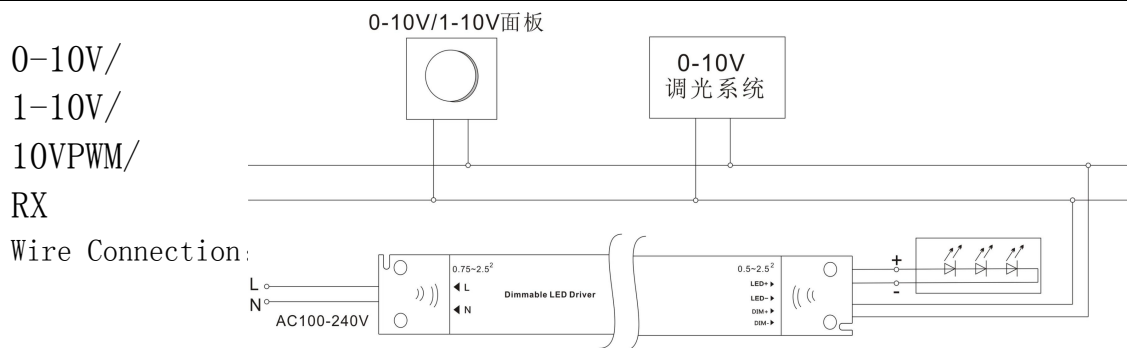
Outer Size (mm) :



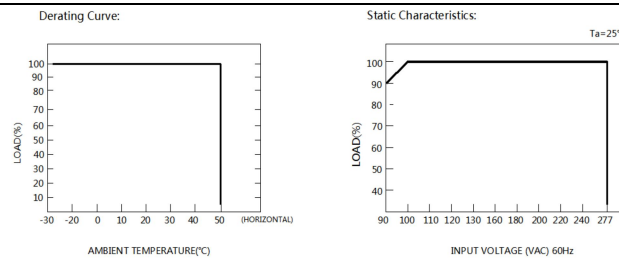
TRIAC Wiring Diagram:



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: 14KG

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.