

Constant Voltage Phase/Triac dimmable driver---120W **PYJD** series **PWM** output

Features



- Output constant voltage
- Universal AC input: 100-130VAC
- Power Factor: up to 0.65
- High efficiency :up to 85%
- Protection:short circuit/over loading/over current/ Over temperature
- Full protection aluminum housing
- Easy installation
- Cooling by free air convection
- Compatible with Forward & Reverse phase, Triac, ELV Dimmers
- Strong compatibility, flicker-free dimming
- Suitable for LED lighting and moving sign applications and others
- Compliance to worldwide safety regulations for lighting



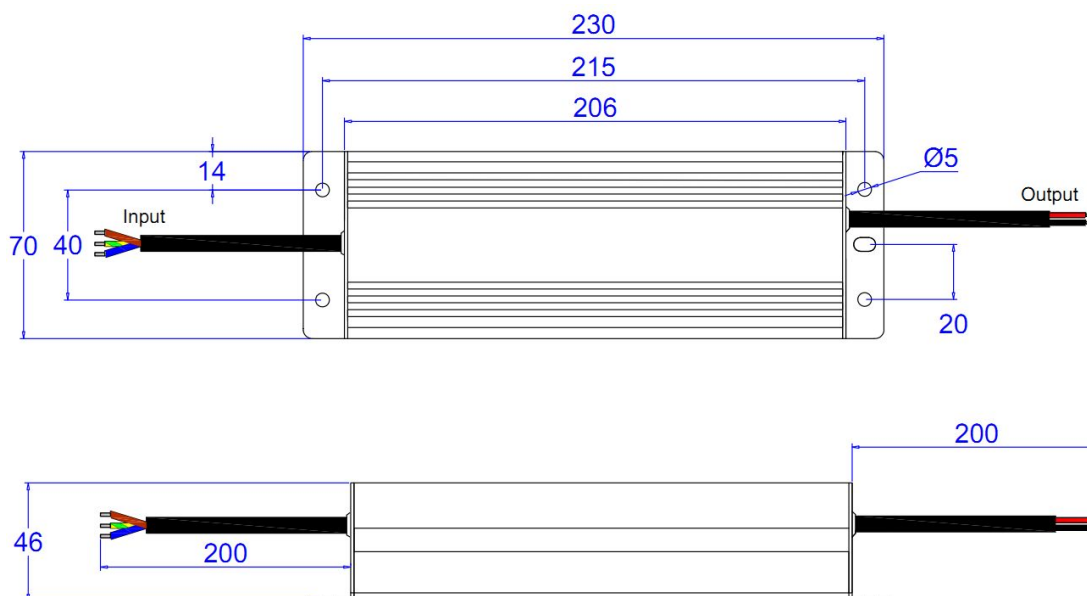
Specification

| Model | | PYJD-12120-TDL | PYJD-24120-TDL | PYJD-36120-TDL | PYJD-48120-TDL |
|--------------|------------------------|--|----------------|---------------------|----------------|
| Certificates | | ETL、CETL、FCC | ETL、CETL、FCC | ETL、CETL、FCC | ETL、FCC |
| output | DC Voltage | 12V | 24V | 36V | 48V |
| | Voltage Tolerance | ±0.5V | | | |
| | Rated current | 10A | 5A | 3.3A | 2.5A |
| | Rated power | 120W | | | |
| input | Voltage Range | 100~130VAC | | | |
| | Frequency Range | 50~60HZ | | | |
| | Power Factor (Typ.) | PF≥0.65 | | | |
| | Efficiency (Typ.) | 83% | 84% | 85% | 85% |
| | AC Current (Typ.) | 2A | 2A | 2A | 2A |
| | Leakage current | < 0.70mA/110VAC | | | |
| Protection | Short Circuit | Hiccup mode, recovers automatically after fault condition is removed | | | |
| | Over Current | ≤1.4*I out | | | |
| | Over Loading | ≤120% | | | |
| | Over temperature | 100℃±10℃ (The output voltage will turn off when the temperature is higher then 100℃±10℃, after the temperature drop off ,it will recovery) automatic | | | |
| Environment | Working TEMP. | -40~+60℃ | | | |
| | Working Humidity | 20~90%RH, non-condensing | | | |
| | Storage TEMP. Humidity | -40~+80℃, 10~95%RH | | | |
| | TEMP .coefficient | ±0.03%/℃ (0~50℃) | | | |
| | Vibration | 10~500Hz, 2G 10min./1 cycle,period for 60min. each along X,Y,Z axes | | | |
| Safety& EMC | Safety standards | UL1012 | | | |
| | Withstand voltage | I/P-O/P:1500KVAC | | | |
| | Isolation resistance | I/P-O/P: 100MΩ/500VDC/25℃/70%RH | | | |
| | EMC EMISSION | FCC Part 15 B | | | |
| others | Net. Weight | 1.3Kg | | 1.5Kg | |
| | Size | 230*70*46mm (L*W*H) | | 380*77*57mm (L*W*H) | |
| | packing | 324*279*176mm 10PCS/CTN | | | |

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| | |
|-------|---|
| Notes | <ol style="list-style-type: none"> 1. All parameters if NOT specially mentioned are measured at 110VAC input , rated load and 25℃of ambient temperature. 2. To extend the driver's using life ,please reduce the loading at lower input voltage. 3.Loading should be 5-100%. |
|-------|---|

■120W Phase/Triac Dimmable driver Mechanical Specification

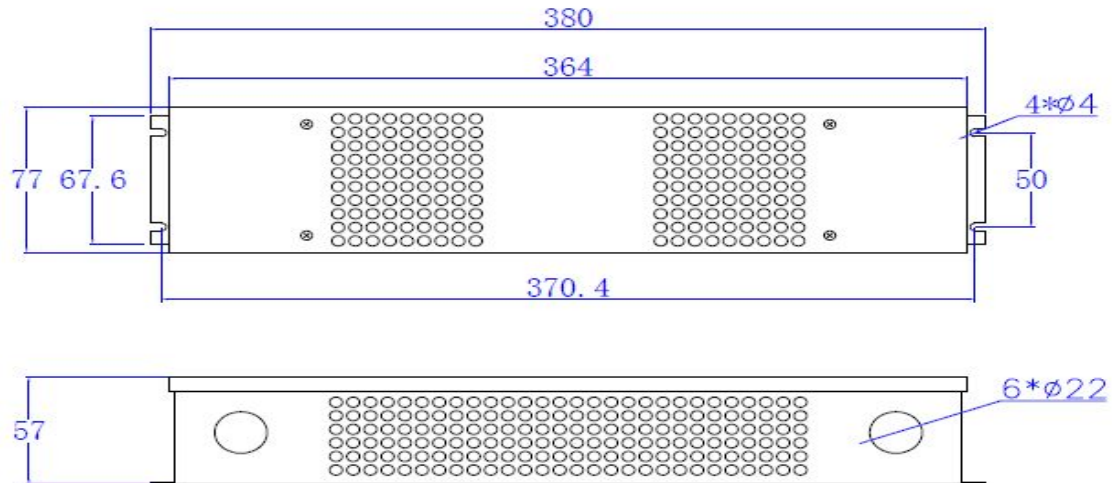


※ Input black(L) and white(N) wires to be connected AC, Green wire to be connected ground; output red and black wires to be connected led lighting.

■ Real picture & Mechanical Specification of 120W Phase/Triac Dimmable Driver with junction box



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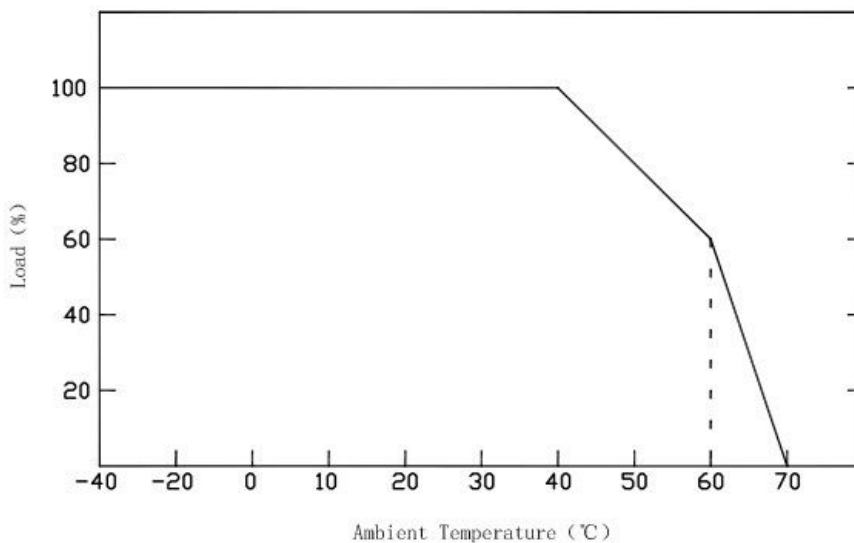
■Dimming Operation

- ※Output constant current level can be adjusted through input terminal of the AC phase line(L) by connection a phase/triac dimmer.
- ※Forward phase and Reverse phase, ELV, Triac Dimmers

■Warning

- ※Prevent to reverse polarity; Output polarity: RED "+"; BLACK "-"
- ※Risk of Electric Shock. When used outdoors, install only on a circuit protected by a Class A GFCI;
- ※Risk of Fire. Installation involves special wiring methods to run wiring through a building structure. Consult a qualified electrician;
- ※Risk of Electric Shock. Mount the unit at a height greater than 1 foot from the ground surface.

■Derating Curve



- ※To extend their life, please refer to the Derating Curve and derate according to the temperature.

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■ Connecting Diagram

