## LED Intelligent Driver

**150W    6.25A    24Vdc**
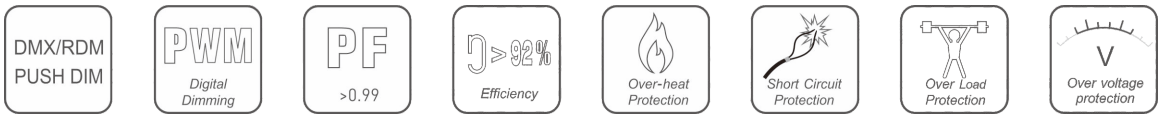
- Dimming interface: DMX512/RDM, Push DIM.
- With the RDM remote device management protocol.
- Supports remote management of reading or writing DMX address.
- 4CH isolated PWM output, control dimming/CT/RGB/RGBW lamps.
- Dimming, range: 0~100%, LED start at 0.1% possible.
- Power factor > 0.99, Efficiency > 92%·
- Short circuit / Over-temperature / Over load / Over voltage protection.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor environments.

SELV   F   M   M   CE   RoHS

**DMX/RDM PUSH DIM**   **PWM** Digital Dimming   **PF** >0.99   **>92%** Efficiency   Over-heat Protection   Short Circuit Protection   Over Load Protection   Over voltage protection

## Main Characteristics

| | |
|---|---|
| Dimming Interface: | DMX512/RDM, Push Dim |
| Input Voltage Range: | 100-240Vac  ±10% |
| Frequency: | 50/60Hz |
| Input Current: | 115Vac≤1.6A,  230Vac≤0.8A |
| Power Factor: | PF>0.99/115Vac , PF>0.95/230Vac, at full load |
| THD: | ≤5% at 115Vac, ≤8% at 230Vac, at full load |
| Efficiency: | ≥92% |
| Inrush Current(typ.): | Cold start 60A at 230Vac |
| Control Surge Capability: | L-N: 1kV,  L/N-Ground: 2kV |
| Leakage Current: | I/P-O/P: <0.5mA/230Vac, I/P-GND: <0.75mA/230Vac |
| Output Current: | 1.56A×4CH   Max. 6.25A |
| Output Voltage: | 24Vdc |

| | |
|---|---|
| Output Voltage Range: | 24Vdc ±0.5Vdc |
| Ripple & Noise: | ≤200mV |
| Output Power: | Max. 150W |
| Output Power Range: | 1~150W |
| Overload Power Limitation: | ≥102%~125% |
| Dimming Range: | 0~100%, LED start at  0.1% possible. |
| Working Temperature.: | tc: 85°C    ta: -30°C ~ 60°C |
| Working Humidity: | 20 ~ 95%RH,  non-condensing |
| Storage Temp., Humidity: | -40 ~ 80°C, 10~95%RH |
| Temp. Coefficient: | ±0.03%/°C(0-50°C) |
| Vibration: | 10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes |

## Protection

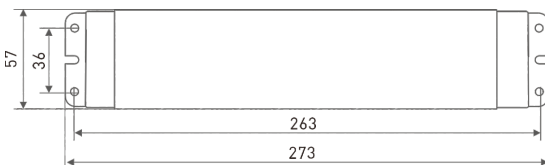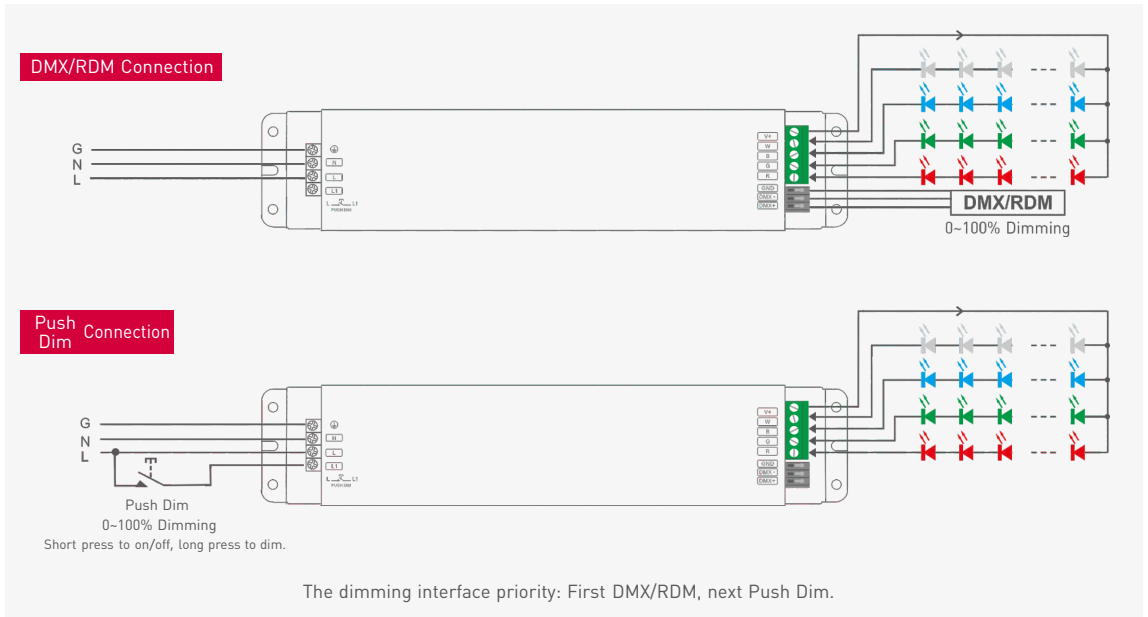| | |
|---|---|
| Over-heat Protection: | Ambient Temp.≥65°C, shut down the output, auto recovers when temp. back to normal. |
| Over Voltage Protection: | Shut down the output when non-load Voltage ≥26~32V, re-power on to recover after fault condition is removed. |
| Over Load Protection: | Power Load≥102%~125%, start hiccup mode, auto recovers when the load is reduced. |
| Short Circuit Protection: | Shut down automatically if short circuit occurs, auto recovers after faulty condition is removed. |

## Safety & EMC

| | |
|---|---|
| Withstand Voltage: | I/P-O/P: 3750Vac   I/P-GND: <1800Vac |
| Isolation Resistance: | I/P-O/P: 100MΩ/500VDC/25°C/70%RH |
| Safety Standards: | IEC/EN61347-1, IEC/EN61347-2-13 |
| EMC Emission: | EN55015, EN61000-3-2 Class C, IEC61000-3-3 |
| EMC Immunity: | EN61000-4-2,3,4,5,6,8,11, EN61547 |

## Others

| | |
|---|---|
| Dimension: | 273×57×37mm(L×W×H) |
| Packing: | 278×59×42mm(L×W×H) |
| Weight(G.W.): | 750g±10g |

## Dimensions

57   36   263   273   37

# Connections

**DMX/RDM Connection**

G
N
L

DMX/RDM
0~100% Dimming

**Push Dim Connection**

G
N
L

Push Dim
0~100% Dimming
Short press to on/off, long press to dim.

The dimming interface priority: First DMX/RDM, next Push Dim.

## Push Dimming



Reset Switch

- On/off control: Short press.
- Stepless dimming: Long press.
- With every other long press, the light level goes to the opposite direction.
- Dimming memory: Brightness will be the same as previously adjusted when turning off and on again.
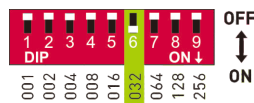
## HOW to Use the Dip Switch:

### RDM Mode:

The dip switch 1-9 are OFF.



OFF
ON

### DMX Address Setting：

E.g.1: Set Initial Address To 32.



001 002 004 008 016 032 064 128 256

OFF
ON

E.g.2: Set Initial Address To 37.



001 002 004 008 016 032 064 128 256

001+004+032=37

OFF
ON

DMX address value = the total value of (1-9),
To get the place value when in "ON" position,