LED Intelligent Driver

150W   6.25A   24Vdc

- Dimming interface: 1-10V (0-10V/10VPWM/resistor), Push Dim.
- PWM digital dimming, no alter LED color rendering index.
- Dimming range from 0-100%, LED start at 0.1% possible.
- Power factor > 0.99, Efficiency > 93%.
- Short circuit / Over-temperature / Over load / Over voltage protection.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor environments.

SELV   110   F   M   M   CE   RoHS

| 1-10V PUSH DIM | PWM Digital Dimming | PF >0.99 | >93% Efficiency | Over-heat Protection | Short Circuit Protection | Over Load Protection | V Over voltage protection |

Main Characteristics

Dimming Interface:	1-10V (0-10V/10VPWM/Resistor), Push Dim	Output Voltage Range:	24Vdc ±0.5Vdc
Input Voltage Range:	100-240Vac ±10%	Ripple & Noise:	≤200mV
Frequency:	50/60Hz	Output Power:	Max. 150W
Input Current:	115Vac≤1.95A, 230Vac≤0.8A	Output Power Range:	1~150W
Power Factor:	PF>0.99/115Vac , PF>0.95/230Vac, at full load	Overload Power Limitation:	≥102%~125%
THD:	≤5% at 115Vac, ≤8% at 230Vac (full load)	Dimming Range:	0~100%, LED start at 0.1% possible.
Efficiency:	≥93%	Working Temperature.:	tc: 80°C ta: -30°C ~ 60°C
Inrush Current(typ.):	Cold start 60A at 230Vac	Working Humidity:	20 ~ 95%RH, non-condensing
Control surge capability:	L-N: 1kv, L/N-Ground: 2kv	Storage Temp., Humidity:	-40 ~ 80°C, 10~95%RH
Leakage Current:	I/P-O/P: <0.5mA/230Vac, I/P-GND: <0.75mA/230Vac	Temp. Coefficient:	±0.03%/°C(0-50°C)
Output Current:	Max. 6.25A	Vibration:	10~500Hz, 2G 12 min./1cycle, period for 72 min. each along X, Y, Z axes
Output Voltage:	24Vdc		

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:	Start hiccup mode if short circuit occurs, auto recovers after faulty condition is removed.

Safety & EMC

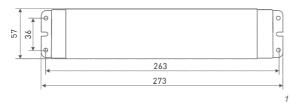|	
Withstand Voltage:	I/P-O/P: 3750Vac I/P-GND: <1800Vac
Isolation Resistance:	I/P-O/P: 100MΩ/500VDC/25°C/70%RH
Safety Standards:	IEC/EN61347-1, IEC/EN61347-2-13
EMC Emission:	EN55015, EN61000-3-2 Class C, IEC61000-3-3
EMC Immunity:	EN61000-4-2,3,4,5,6,8,11, EN61547

Others

Dimension:	273×57×37mm(L×W×H)
Packing:	278×59×42mm(L×W×H)
Weight(G.W.):	790g±10g

Dimensions

57   36   263   273   37

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Connections

1-10V Connection

G
N
L

1-10V

1-10V, 0-10V, 10V PWM, Resistor
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 1-10V, next Push Dim.

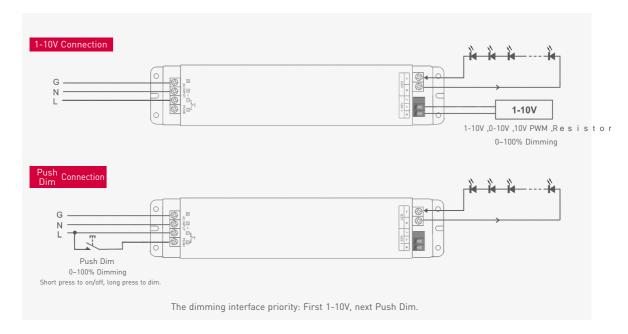## Push Dimming

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.