

LED Intelligent Driver

75W 6.25A 12V DC

- Dimming interface: 1-10V (0-10V/10VPWM/resistor), Push Dim.
- PWM digital dimming, no alter LED color rendering index.
- High frequency PWM dimming, no flicker in video camera.
- Dimming range from 0-100%, LED start at 0.1% possible.
- Power factor > 0.99, Efficiency > 85%.
- Short circuit / Over-heat / Over load / Over Voltage protection.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor environments.



SELV

<b>1-10V PUSH DIM</b>	<b>PWM</b> Digital Dimming	<b>PF</b> >0.99	<b>η &gt; 85%</b> Efficiency	Over-heat Protection	Short Circuit Protection	Over Load Protection	Over voltage protection
---------------------------	-------------------------------	--------------------	---------------------------------	----------------------	--------------------------	----------------------	-------------------------

Main Characteristics

Dimming Interface:	1-10V (0-10V/10VPWM/Resistor), Push Dim	Ripple & Noise:	≤200mV
Input Voltage Range:	100-240Vac ±10%	Output Power:	Max. 75W
Frequency:	50/60Hz	Output Power Range:	1-75W
Input Current:	115Vac≤0.9A, 230Vac≤0.45A	Overload Power Limitation:	≥102%-125%
Power Factor:	PF>0.99/115Vac, PF>0.95/230Vac, at full load	Dimming Range:	0-100%, LED start at 0.1% possible.
THD:	≤9% at 115Vac, ≤12% at 230Vac (full load)	Working Temperature.:	tc: 85°C ta: -30°C ~ 60°C
Efficiency:	≥85%	Working Humidity:	20 - 95%RH, non-condensing
Inrush Current(typ.):	Cold start 60A at 230Vac	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 12min./1cycle, period for 72min. each along X, Y, Z axes
Output Voltage:	12Vdc		
Output Voltage Range:	12Vdc ±0.5Vdc		

Protection

Over-heat Protection:	Shut down the output when PCB temp.≥110°C, auto recovers when temp. back to normal.
Over Voltage Protection:	Shut down the output when non-load Voltage ≥13-18V, re-power on to recover after fault condition is removed.
Over Load Protection:	Shut down the output when Current Load≥102%-125%, auto recovers after faulty condition is removed.
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
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

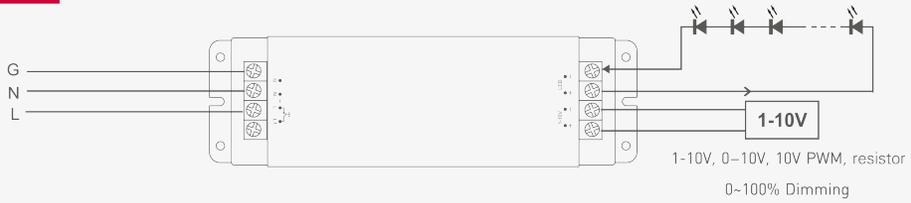
Others

Dimension:	204×62×34mm(L×W×H)
Packing:	206×64×39mm(L×W×H)
Weight(G.W.):	490g±10g

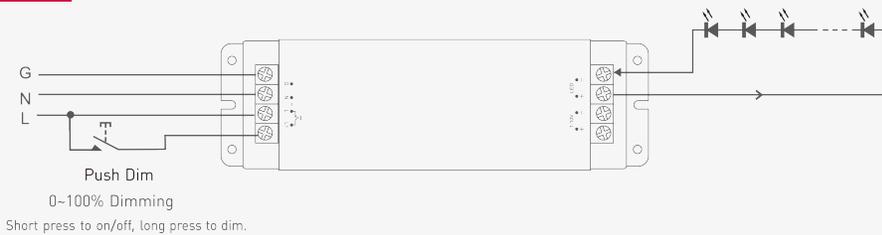
Dimensions



**1-10V Connection**



**Push Dim Connection**



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.