

LED Intelligent Dimming Driver

75W 3.12A 24V 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 > 87%.
- Short circuit / Over-heat / Over load / Over Voltage protection.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor environments.



SELV **CE** **RoHS**

1-10V PUSH DIM	PWM Digital Dimming	PF >0.99	η > 87% Efficiency	Over-heat Protection	Short Circuit Protection	Over Load Protection	Over voltage protection
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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: 80°C ta: -30°C ~ 60°C
Efficiency:	≥ 87%	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. 3.12A	Vibration:	10-500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes
Output Voltage:	24Vdc		
Output Voltage Range:	24Vdc ±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 ≥ 26-32V, 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.

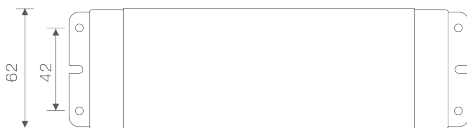
Safety & EMC

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

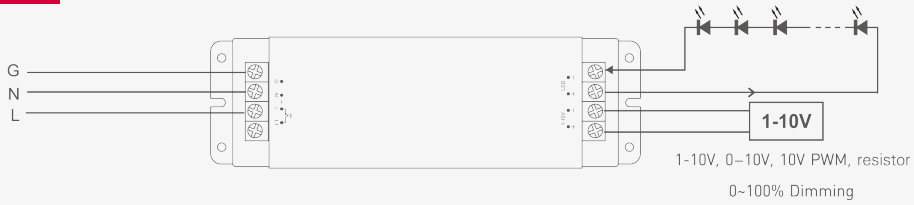
Others

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

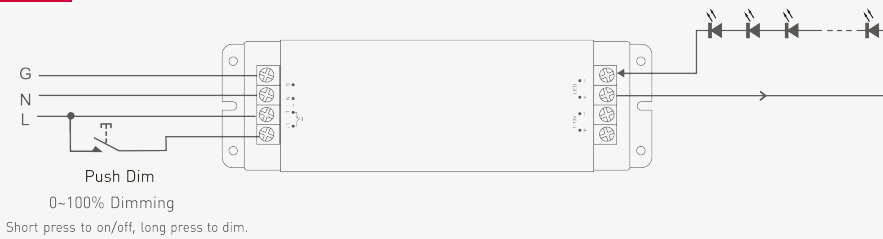
Dimensions



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.