

LED Dimming Driver

75W 3.12A 24Vdc

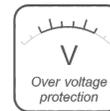
- Dimming interface: 0-10V (1-10V/10VPWM/RX), Push Dim.
- Built-in high performance MCU, dimming curve can be customized.
- PWM digital dimming, no alter LED color rendering index.
- Dimming range from 0-100%, LED start at 0.1% possible.
- Power factor > 0.99, Efficiency > 87%.
- Short circuit / Over-heat / Over load / Over Voltage protection.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for internal lights application for I /II/III.



5 in 1 dimming

- 0-10V
 - 1-10V
 - PWM
 - RX
 - Push DIM
- Dimmable:
.....
0.1%-100%

SELV



Main Characteristics

Dimming Interface:	0-10V (1-10V/10VPWM/RX), Push Dim	Output Voltage Range:	24Vdc ±0.5Vdc
Input Voltage Range:	100-240Vac ±10%	Ripple & Noise:	≤200mV
Frequency:	50/60Hz	Output Power:	Max. 75W
Input Current:	115Vac ≤0.9A, 230Vac ≤0.45A	Output Power Range:	1-75W
Power Factor:	PF > 0.99/115Vac, PF > 0.95/230Vac, at full load	Overload Power Limitation:	≥ 102%-125%
THD:	≤9% at 115Vac, ≤12% at 230Vac, at full load	Dimming Range:	0-100%, LED start at 0.1% possible.
Efficiency:	> 87%	PWM Frequency:	≤4KHz
Inrush Current(typ.):	Cold start 60A at 230Vac	Working Temperature.:	ta: -30°C ~ 60°C tc: 80°C
Control surge capability:	L-N: 1kV, L/N-G: 2kV	Working Humidity:	20 ~ 95%RH, non-condensing
Leakage Current:	I/P-O/P: <0.5mA/230Vac, I/P-GND: <0.75mA/230Vac	Storage Temp., Humidity:	-40 ~ 80°C, 10-95%RH
Output Current:	Max. 3.12A	Temp. Coefficient:	±0.03%/°C(0-50°C)
Output Voltage:	24Vdc	Vibration:	10-500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes

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 when the load is reduced.
- Short Circuit Protection:** Shut down automatically if short circuit occurs, auto recovers after faulty condition is removed.

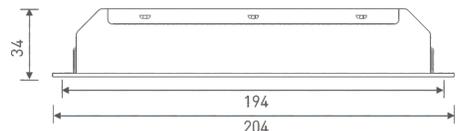
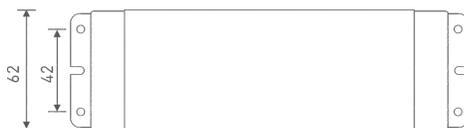
Safety & EMC

- 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

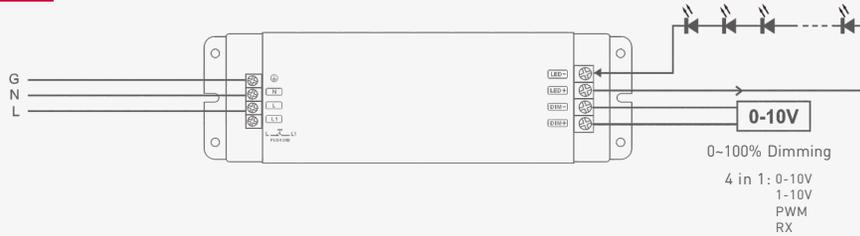
Others

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

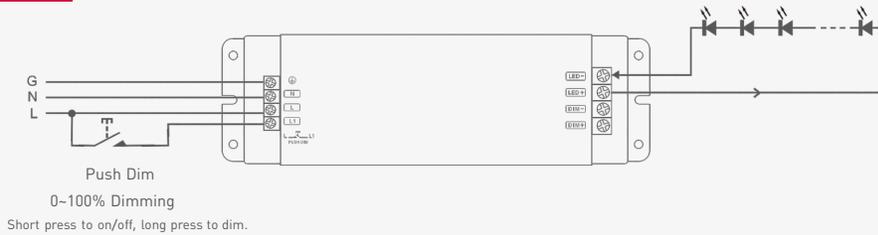
Dimensions



0-10V Connection



Push Dim Connection



The dimming interface priority: First 0-10V, 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.