

LED Intelligent Driver

0-10W 12Vdc

- Dimming interface: Triac/ELV
- Apply to leading edge / trailing edge Triac dimmers and dimming system.
- Built-in singlechip, dimming curve and smoothing time can be customized.
- Dimming range: 0-100%, LED start at Max. 1% possible.
- Over load / Over-heat protection, recover automatically.
- Class 2 power supply. Full protective plastic housing.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for internal lights application for I/II/III.



Special use for MR16 lamp.



Dimmable:

 Max: 1-100%



Main Characteristics

Dimming Interface:	Triac/ELV
Input Voltage:	200-240Vac
Frequency:	50/60Hz
Input Current:	230Vac≤0.08A
Power Factor:	PF>0.8/230Vac (at full load)
Efficiency:	>75%
Inrush Current(typ.):	Cold start 3A at 230Vac
Anti Surge:	L-N: 0.5kV
Leakage Current:	<0.5mA/230Vac
Output Current :	Max. 0.85A
Output Voltage :	12Vdc

Operating Voltage:	12Vdc ± 0.5Vdc
Ripple & Noise:	≤2.5V
Output Power :	Max. 10W
Output Power Range :	0-10W
Dimming Range:	0-100%, dimming depth: 1% (depending on MR16).
Working Temperature.:	ta: -20 ~ 50°C tc: 85°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:** Intelligently adjusting or turning off the output current if the PCB temperature ≥110°C. And the output current will be restored automatically when the temperature comes normal.
- Over Load Protection:** Startup protection and automatic recovery if load power exceeds standard.

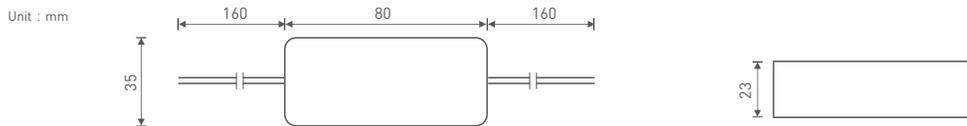
Safety & EMC

- 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

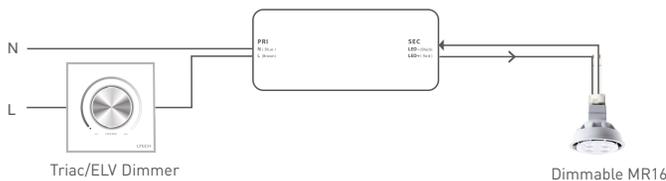
Others

- Dimension:** 80×35×23mm(L×W×H)
- Packing:** 93×43×27mm(L×W×H)
- Weight(G.W.):** 75g±10g

Dimensions



Wiring diagram



* No further notice if any changes in the manual.
 Product function depends on the goods.
 Please feel free to contact our official distributor if any question.