

LED Intelligent Driver

75W 3.12A 24Vdc

- Dimming interface: DALI, Push Dim.
- PWM digital dimming, standard DALI logarithmic dimming curve.
- 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.
- DALI bus standard: IEC62386-101, 102, 207.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor environments.



SELV

DALI PUSH DIM	PWM Digital Dimming	PF >0.99	Efficiency >87%	Over-heat Protection	Short Circuit Protection	Over Load Protection	Over voltage protection
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Main Characteristics

Dimming Interface: DALI (IEC62386), Push Dim
 Input Voltage Range: 100-240Vac ±10%
 Frequency: 50/60Hz
 Input Current: 115Vac ≤ 0.9A, 230Vac ≤ 0.45A
 Power Factor: PF > 0.99/115Vac, PF > 0.95/230Vac, at full load
 THD: ≤ 9% at 115Vac, ≤ 12% at 230Vac (full load)
 Efficiency: ≥ 87%
 Inrush Current (typ.): Cold start 60A at 230Vac
 Leakage Current: I/P-O/P: < 0.5mA/230Vac, I/P-GND: < 0.75mA/230Vac
 Output Current: Max. 3.12A
 Output Voltage: 24Vdc
 Output Voltage Range: 24Vdc ± 0.5Vdc

Ripple & Noise: ≤ 200mV
 Output Power: Max. 75W
 Output Power Range: 1-75W
 Overload Power Limitation: ≥ 102% - 125%
 Dimming Range: 0-100%, LED start at 0.1% possible.
 Working Temperature: tc: 85°C ta: -30°C - 60°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: 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

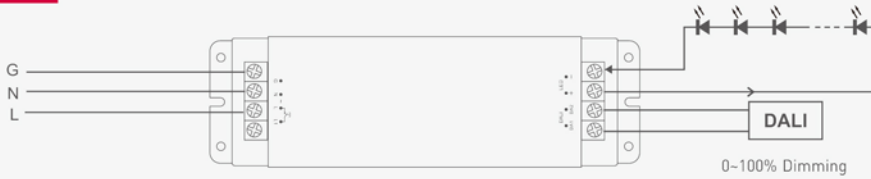
Others

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

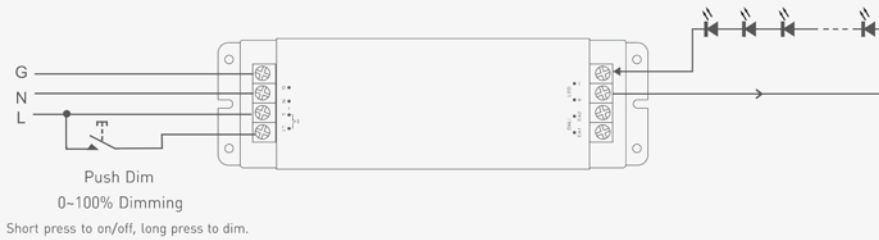
Dimensions



DALI Connection



Push Dim Connection



The dimming interface priority: First DALI, 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.