

LED Intelligent Dimming Driver

0.3-15W 100-400mA 3-54V

- Dimming interface: DALI, Push Dim.
- PWM digital dimming, standard DALI logarithmic dimming curve.
- Dimming range: 0~100%, LED start at 0.1% possible.
- Multiple current, wide voltage, compatible with a variety of LED lights.
- Power factor > 0.99, Efficiency > 85%
- Short circuit / Over-temperature / Over load protection.
- Class 2 power supply. Full protective plastic housing
- DALI bus standard: IEC62386..
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor environments.



Main Characteristics

Dimming Interface:	DALI (IEC62386), Push Dim	Operating Voltage:	3-54V DC
Dimming Range:	0~100%, LED start at 0.1% possible.	Output Power Range:	0.3W~15W
Input Voltage Range:	100-240V AC ±10%	Current Accuracy:	±3%
Input Current:	115Vac≤0.20A, 230Vac≤0.10A	No Load Output Voltage:	0V DC
Power Factor:	PF>0.99/115V AC, PF>0.95/230V AC, at full load	Working Temperature.:	-30 ~ +55°C
Frequency:	50/60Hz	Working Humidity:	20 ~ 95%RH, non-condensing
Efficiency:	≥85%	Storage Temp., Humidity:	-40 ~ +80°C, 10-95%RH
Inrush Current(typ.):	Cold start 10A at 230V AC (twidh=75µs measured at 50% Ipeak)	Temp. Coefficient:	±0.03%/°C(0-50°C)
Leakage Current:	<0.5mA/230V AC	Vibration:	10-500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes

Output Current:	100mA	120mA	150mA	200mA	250mA	300mA	350mA	400mA
Output Voltage:	3-54V	3-54V	3-54V	3-54V	3-54V	3-50V	3-36V	3-36V
Output Power:	0.3-5.4W	0.4-6.5W	0.5-8.1W	0.6-11W	0.8-13.5W	0.9-15W	1.1-13W	1.2-15W

Protection

Short Circuit / Over Temperature / Over Load: Auto recovery

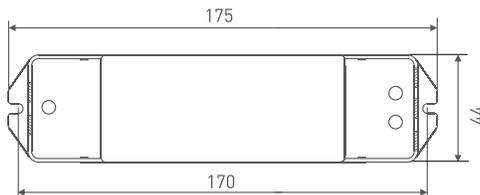
Others

Dimension:	175×44×30mm(L×W×H)
Packing:	178×48×33mm(L×W×H)
Weight(N.W.):	155g±10g

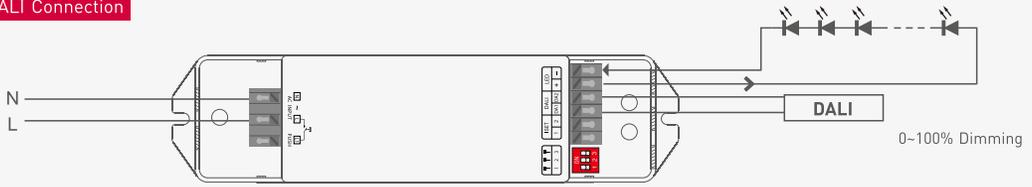
Safety & EMC

Withstand Voltage:	I/P-O/P: 3750VAC;
Isolation Resistance:	I/P-O/P: 100MΩ/500VDC/25°C/70%RH
Safety Specification:	IEC62386, IEC/EN61347-1, IEC/EN61347-2-13, EN55015, EN61000-3-2 Class C, EN61000-3-3, EN55024, EN61547 EN61000-4-2,3,4,5,6,8,11 ;

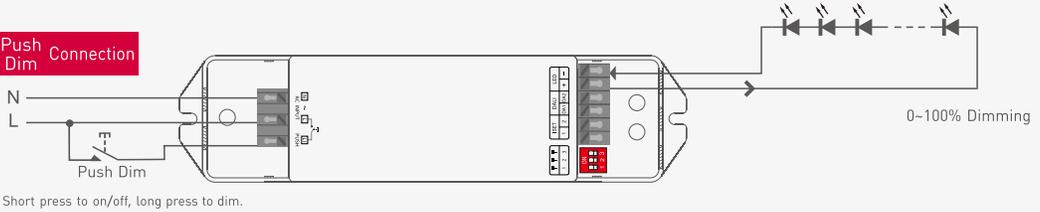
Dimensions



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.
- For fine tuning of light level: 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.

LED Current Selection

Quick options: DIP switch for 8 optional currents' quick selection[see the table below].

100mA/ISET	120mA	150mA	200mA	250mA	300mA	350mA	400mA	ON	OFF	
3-54V	3-54V	3-54V	3-54V	3-54V	3-50V	3-36V	3-36V			

* After current setting by DIP switch, power off and then power on to make the new current effective.

* E.g. LED 3.2V/pcs: 3-54V can power 1-16pcs LEDs in series, 3-36V can power 1-11pcs LEDs, the max quantity of LEDs in series will be subject to the actual voltage of LED.

Advanced options: Dial DIP switch down , connect ISET port with resistors of different values to set up any current from 100mA to 400mA (specific resistor values refer to the table).

Connect to resistor

Current(mA)	100mA	125mA	150mA	175mA	200mA	225mA	250mA	275mA	300mA	325mA	350mA	375mA	400mA
Resistor(KΩ)	∞	75.30 KΩ	36.70 KΩ	26.90 KΩ	16.56 KΩ	15.30 KΩ	9.10 KΩ	6.93 KΩ	5.94 KΩ	3.38 KΩ	2.95 KΩ	1.10 KΩ	0 KΩ