

LED Intelligent Dimming Driver

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

- Dimming interface: DALI, 1-10V(0-10V/10VPWM/resistor), 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.



SELV □ ▽110 ▽ F ▽ M ▽ M ⊕ ⊕ CE RoHS ⏏ ⏏

DALI 1-10V PUSH DIM	PWM Digital Dimming	PFC >0.99	Over-heat Protection	Short Circuit Protection	Multiple Current	3V-54V Wide Voltage
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Main Characteristics

Dimming Interface:	DALI (IEC62386), 1-10V/0-10V/10VPWM/Resistor, 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

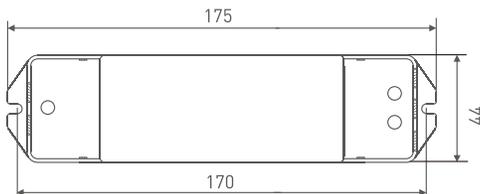
Short Circuit / Over Temperature / Over Load: Auto recovery

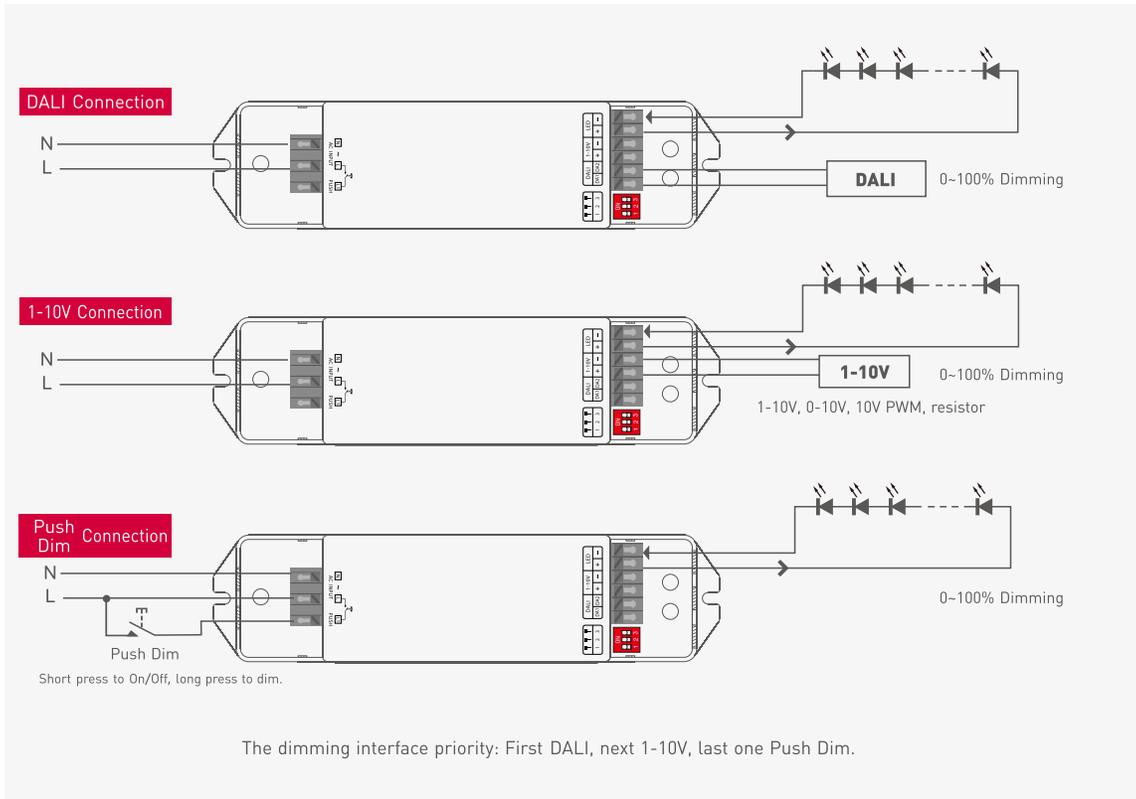
Others

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 ;





## LED Current Selection

The current can be easily configured by choosing the correct combination of the DIP switches (see the table below).



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

\* 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.

## 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.