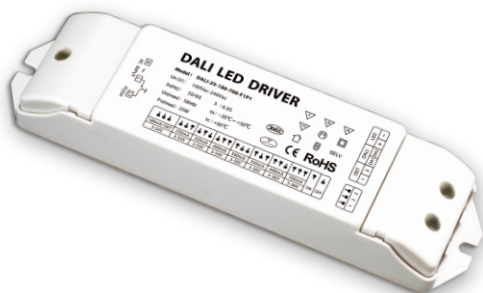


LED Intelligent Dimming Driver

0.54-25W 180-700mA 3-54V

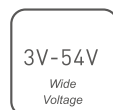
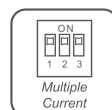
- Dimming interface: DALI, Push Dim.
- PWM digital dimming, no alter LED color temperature.
- Dimming range: 0.1~100%
- Multiple current, wide voltage, compatible with a variety of LED lights.
- Short circuit / Over-temperature protection.
- Full protective plastic housing.
- DALI bus standard: IEC62386.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor environments.



SELV



RoHS



Main Characteristics

Input Signal:	DALI (IEC62386), Push Dim
Input Voltage Range:	100-240V AC $\pm 10\%$
Power Factor:	PF>0.95/115VAC, PF>0.9/230VAC, at full load
Frequency:	50/60Hz
Efficiency:	$\geq 83\%$
Inrush Current(typ.):	Cold start 10A at 230VAC (twidth=75 μ s measured at 50% Ipeak)
Leakage Current:	<0.5mA/230VAC
Rated Current:	180/250/350/400/500/550/600/700mA
Operating Voltage:	3-54V DC

Output Power Range:	0.54W~25W
Current Accuracy:	$\pm 3\%$
Ripple & Noise (max.):	1Vp-p (working voltage at full load)
No Load Output Voltage (max.):	≤ 58 VDC
Setup Time:	115VAC<2500ms, 230VAC<1000ms at full load
Working Temp.:	-20 ~ +50°C
Working Humidity:	20 ~ 95%RH, non-condensing
Storage Temp., Humidity:	-40 ~ +80°C, 10~95%RH
Temp. Coefficient:	$\pm 0.03\%/^{\circ}\text{C}$ (0~50°C)
Vibration:	10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes

Protection

Short Circuit/Over Temperature: Auto recovery

Others

Dimension:	175×44×30mm(L×W×H)
Packing:	178×48×33mm(L×W×H)
Weight(N.W.):	140g±10g

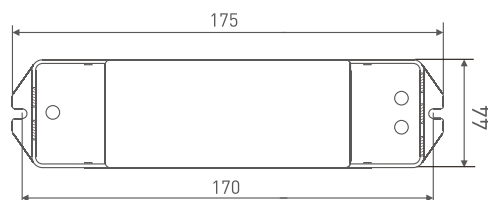
Safety & EMC

Withstand Voltage: I/P-O/P: 3750VAC;

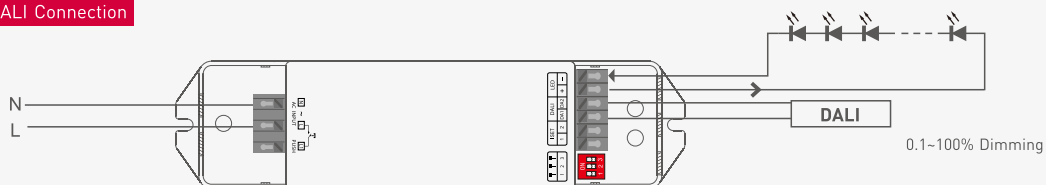
Isolation Resistance: I/P-O/P: 100M Ω /500VDC/25°C/70%RH

Safety specification: IEC62386, IEC/EN61347-1, IEC/EN61347-2-13, EN55015, EN61000-3-2 Class C, EN61000-3-3, FCC part18, EN55024, EN61547 EN61000-4-2,3,4,5,6,8,11 ;

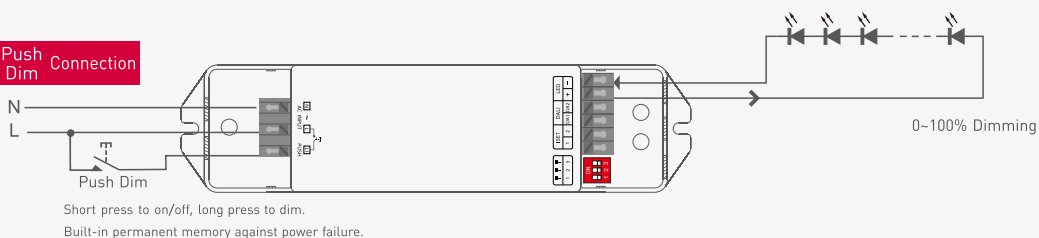
Dimensions



DALI Connection



Push Dim Connection



The dimming interface priority: First DALI, next push Dim.

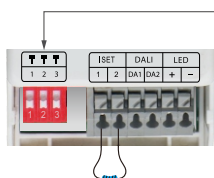
Push Dimming



- 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.
- Built-in permanent memory: Brightness will be the same as previous adjusting when turn off and on again, even at power failure.

LED Current Selection

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



Connect to resistor

180mA/ISET 3~54V	250mA 3~54V	350mA 3~54V	400mA 3~54V	500mA 3~54V	550mA 3~36V	600mA 3~36V	700mA 3~36V	ON	OFF
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* E.g. LED 3.2V/pcs: 3~54V can power 1-16pcs LEDs in series, 3~36V can power 1-11pcs LEDs in series, the maximum quantity of LEDs in series will be subject to the actual voltage of LED.

Dial down the dip switches, and connect the resistor to set current											
Current(mA)	180mA	200mA	225mA	250mA	275mA	300mA	325mA	350mA	375mA	400mA	425mA
Resistor(KΩ)	∞	99.30 KΩ	61.80KΩ	42.10 KΩ	32.53 KΩ	24.81 KΩ	20.27 KΩ	16.21KΩ	13.76 KΩ	10.82 KΩ	9.41 KΩ

Current(mA)	450mA	475mA	500mA	525mA	550mA	575mA	600mA	625mA	650mA	675mA	700mA
Resistor(KΩ)	7.58 KΩ	6.62 KΩ	5.12 KΩ	4.12 KΩ	3.15 KΩ	2.49 KΩ	1.73 KΩ	1.22 KΩ	0.61 KΩ	0.17 KΩ	0 KΩ