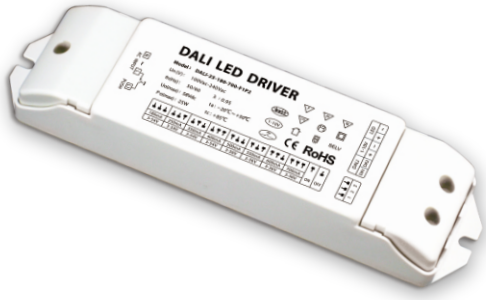
DALI-25-180-700-F1P2

DALI, 1-10V Push Dim

LED Intelligent Dimming Driver

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

- Dimming interface: DALI, 1-10V, Push Dim.
- PWM digital dimming, no alter LED color temperature.
- Dimming range: 0~100% / 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 110 F M M CE RoHS

DALI 1-10V PUSH DIM | PWM Digital Dimming | PFC >0.95 | Over-heat Protection | Short Circuit Protection | ON 1 2 3 Multiple Current | 3V-54V Wide Voltage

Main Characteristics

Input Signal:	DALI (IEC62386), 1-10V, Push Dim
Input Voltage Range:	100-240V AC ±10%
Power Factor:	PF>0.95/115VAC , PF>0.9/230VAC, at full load
Frequency:	50/60Hz
Efficiency:	⩾83%
Inrush Current(typ.):	Cold start 10A at 230VAC (twidth=75μs 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:	±3%
Ripple & Noise (max.):	1Vp-p (working voltage at full load)
No Load Output Voltage (max.):	⩽58VDC
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:	±0.03%/°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

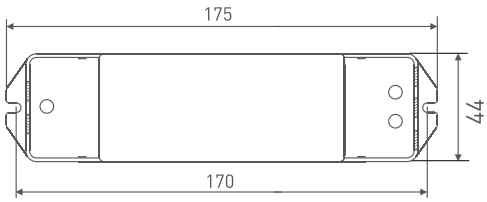
Others

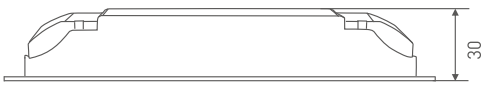
Dimension:	175×44×30mm(L×W×H)
Packing:	178×48×33mm(L×W×H)
Weight(N.W.):	140g±10g

Safety & EMC

Withstand Voltage:	I/P-O/P: 3750VAC;
Isolation Resistance:	I/P-O/P: 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, FCC part18, EN55024, EN61547 EN61000-4-2,3,4,5,6,8,11 ;

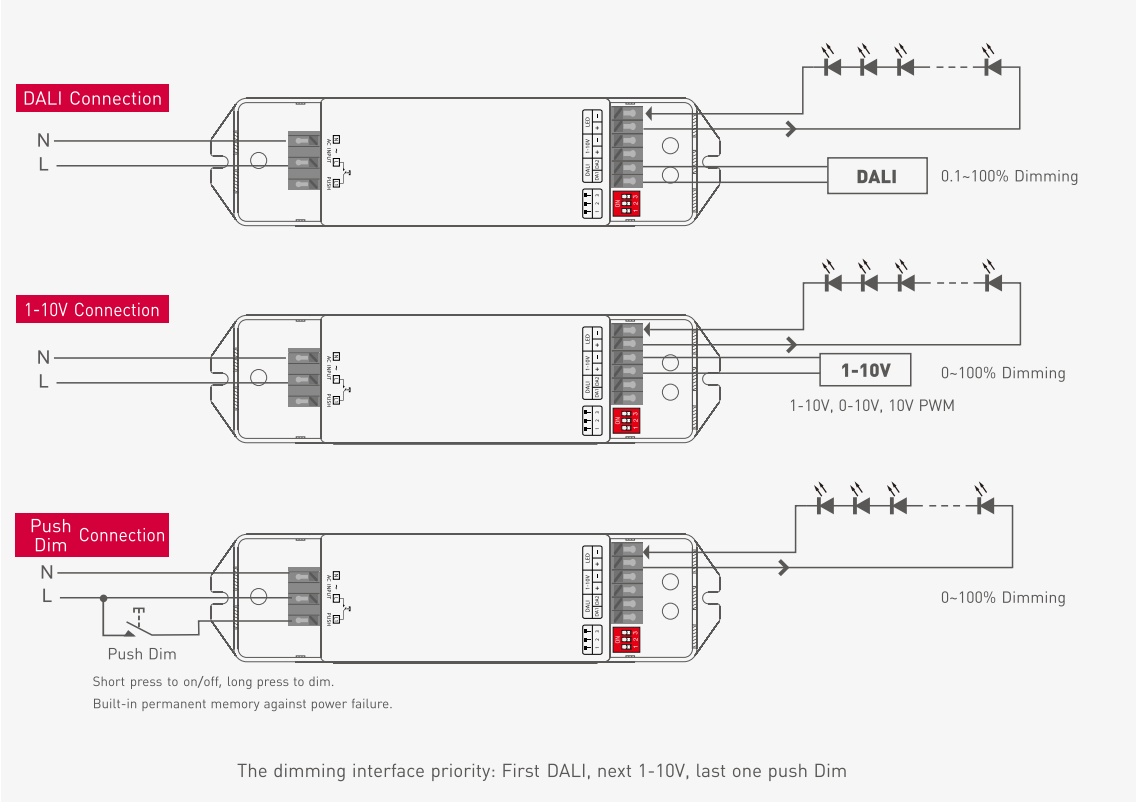
Dimensions





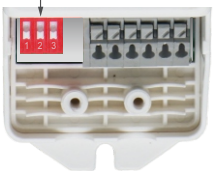
Connections

DALI, 1-10V Push Dim



LED Current Selection

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



180mA	250mA	350mA	400mA	500mA	550mA	600mA	700mA	ON	OFF
3-54V	3-54V	3-54V	3-54V	3-50V	3-36V	3-36V	3-36V		

* 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.

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.

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