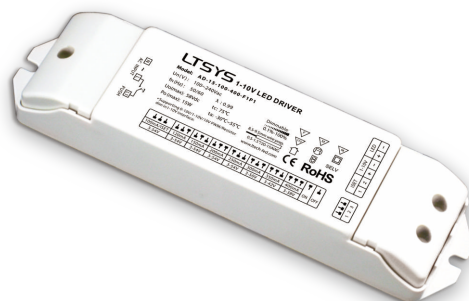


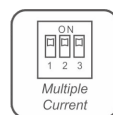
LED Intelligent Driver

0.3~15W 100~400mA 3~54Vdc

- Dimming interface: 1-10V (0-10V/10VPWM/resistor), Push Dim.
- PWM digital dimming, no alter LED color rendering index.
- 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 > 83%
- Short circuit / Over-heat / Over load protection.
- Class 2 power supply. Full protective plastic housing
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor environments.



SELV



Main Characteristics

Dimming Interface:	1-10V (0-10V/10VPWM/Resistor), Push Dim
Input Voltage Range:	100-240Vac $\pm 10\%$
Frequency:	50/60Hz
Input Current:	115Vac $\leq 0.20A$, 230Vac $\leq 0.10A$
Power Factor:	PF>0.99/115Vac, PF>0.95/230Vac (full load)
THD:	<12% at 115Vac, <15% at 230Vac (full load)
Efficiency:	>83%
Inrush Current(typ.):	Cold start 20A@230Vac
Leakage Current:	<0.5mA/230Vac
Operating Voltage:	3~54Vdc

Output Current :	100mA	120mA	150mA	200mA	250mA	300mA	350mA	400mA
Output Voltage :	3-54V	3-54V	3-54V	3-54V	3-54V	3-50V	3-42V	3-38V
Output Power :	0.3-5.4W	0.4-6.5W	0.5-8.1W	0.6-11W	0.8-13.5W	0.9-15W	1.1-15W	1.2-15.2W

Output Power Range:	0.3W~15W
Current Accuracy:	$\pm 3\%$
No Load Output Voltage:	58Vdc
Dimming Range:	0~100%, LED start at 0.1% possible.
Working Temperature.:	tc: 75°C ta: -30°C ~ 55°C
Working Humidity:	20 ~ 95%RH, non-condensing
Storage Temp., Humidity:	-40 ~ 80°C, 10~95%RH
Temp. Coefficient:	$\pm 0.03\%/^{\circ}C$ (0-50°C)
Vibration:	10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes

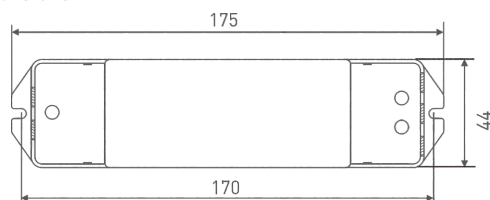
Protection

Over-heat Protection:	Shut down the output when PCB temp. $\geq 110^{\circ}C$, auto recovers when temperature. back to normal.
Over Load Protection:	When O/P voltage exceed its range, O/P current declines, auto recovers when the load is reduced.
Short Circuit Protection:	Shut down automatically if short circuit occurs, auto recovers after faulty condition is removed.

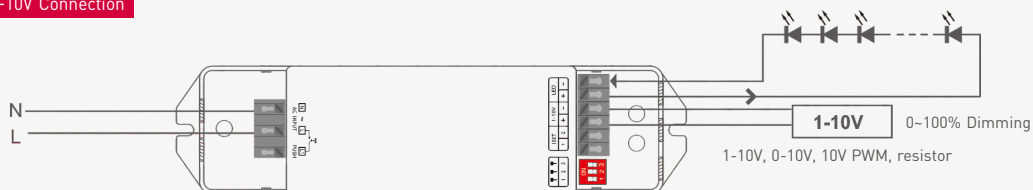
Others

Dimension:	175×44×30mm(L×W×H)
Packing:	178×48×33mm(L×W×H)
Weight(G.W.):	160g $\pm 10g$

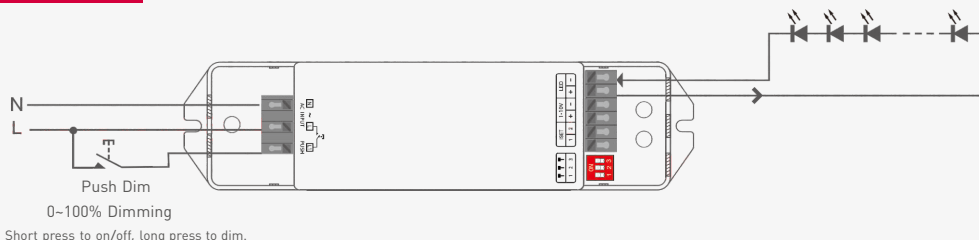
Dimensions



1-10V Connection



Push Dim Connection



The dimming interface priority: First 1-10V, next Push Dim,

Push Dimming

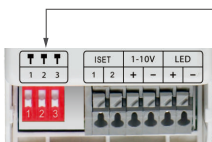


Reset Switch

- 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.

LED Current Selection

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

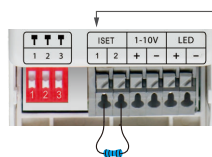


100mA/ISET 3-54V	120mA 3-54V	150mA 3-54V	200mA 3-54V	250mA 3-54V	300mA 3-50V	350mA 3-42V	400mA 3-38V	ON	OFF
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* After current setting by DIP switch, power off and then power on to make the new current effective.

* E.g. LED 3.2V/pcs: 3-54V can power 1-16pcs LEDs in series, 3-38V 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 **1 1 1**, 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

Connecting ISET with resistors can obtain the following typical currents.

Current(mA)	100mA	125mA	150mA	175mA	200mA	225mA	250mA	275mA	300mA	325mA	350mA	375mA	400mA
Resistor(KΩ)	221KΩ	77KΩ	37.15KΩ	25.8KΩ	16.72KΩ	13.7KΩ	9.28KΩ	6.76KΩ	5.94KΩ	3.234KΩ	2.942KΩ	1.127KΩ	0KΩ