

LED Current Selection

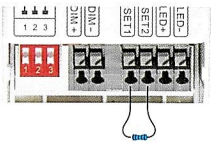
DIP switch for 8 optional currents' quick selection[see the table below].

Model	DIP Switch									ON OFF	
	AD-15-100-700-U1P1	Output Current	100mA	180mA	300mA	350mA	450mA	500mA	600mA		700mA
	Output Voltage	10-54V	10-54V	10-50V	10-43V	10-34V	10-30V	10-25V	10-22V		
	Output Power	1W-5.4W	1.8W-9.72W	3W-15W	3.5W-15.05W	4.5W-15.3W	5W-15W	6W-15W	7W-15.4W		
AD-25-150-900-U1P1	Output Current	150mA	250mA	300mA	350mA	500mA	600mA	700mA	900mA		
Output Voltage	10-54V	10-54V	10-54V	10-54V	10-50V	10-42V	10-36V	10-28V			
Output Power	1.5W-8.1W	2.5W-13.5W	3W-16.2W	3.5W-18.9W	5W-25W	6W-25.2W	7W-25.2W	9W-25.2W			
AD-36-200-1200-U1P1	Output Current	200mA	350mA	500mA	600mA	700mA	900mA	1050mA	1200mA		
Output Voltage	10-54V	10-54V	10-54V	10-54V	10-52V	10-40V	10-35V	10-30V			
Output Power	2W-10.8W	3.5W-18.9W	5W-27W	6W-32.4W	7W-36.4W	9W-36W	10.5W-36.75W	12W-36W			

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

* E.g. LED 3.2V/pcs: 10-54V can power 3-16pcs LEDs in series, 10-22V can power 3-6pcs LEDs, the max quantity of LEDs in series will be subject to the actual voltage of LED.

Advanced options: connect ISET port with resistors of different values to set up currents

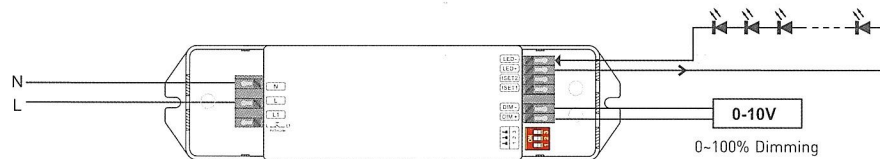


Connect to resistor

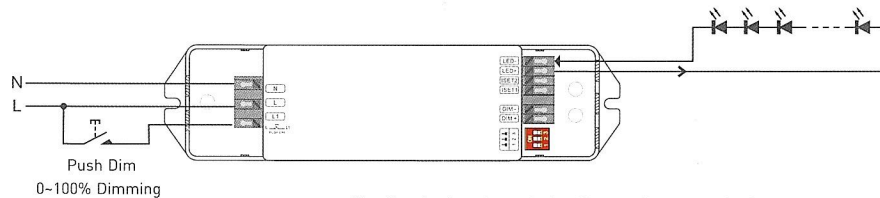
Model	Current(mA)	Resistor(KΩ)									
		AD-15-100-700-U1P1	140mA	180mA	220mA	260mA	300mA	340mA	380mA	420mA	460mA
AD-25-150-900-U1P1	200mA	250mA	300mA	350mA	400mA	450mA	500mA	550mA	600mA	650mA	
	700mA	750mA	800mA	850mA							
AD-36-200-1200-U1P1	250mA	300mA	350mA	400mA	450mA	500mA	550mA	600mA	650mA	700mA	
	750mA	800mA	850mA	900mA	950mA	1000mA	1050mA	1100mA	1150mA		

Wiring diagram

0-10V connection



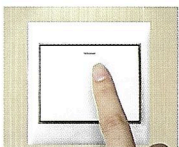
Push dim connection



Short press to on/off, long press to dim.

The dimming interface priority: First 0-10V, 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 Intelligent Driver

- Dimming interface: 0-10V(1-10V/PWM/RX), Push Dim.
- Built-in SCM, dimming curve and smoothing time can be customized.
- Automatic recognition of 0-10V, 1-10V input signal.
- PWM digital dimming, no alter LED color rendering index.
- Dimming range: 0~100%, LED start at 0.1% possible.
- Multi-current & wide voltage, suitable for different power LED.
- Short circuit / Over-heat / Over load / Non-load protection.
- Non-load output voltage 0V to prevent damages to LED caused by poor contact.
- Class 2 power supply. Full protective plastic housing.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for internal lights application for I / II/III.


5 in 1 dimming

 0-10V
 1-10V
 PWM
 RX
 Push DIM

 Dimmable:

 0.1%-100%


Specification

Model	AD-15-100-700-U1P1	AD-25-150-900-U1P1	AD-36-200-1200-U1P1	
OUTPUT	Output Voltage	10-54Vdc		
	Max Output Voltage	58Vdc		
	Non-load Output Voltage:	0Vdc		
	Output Current	100-700mA	150-900mA	200-1200mA
	Output Power	1W~15W	1.5W~25W	2W~36W
	Dimming Range:	0~100%, 0.1% dimming depth.		
	PWM Dimming Frequency	≤3600Hz [Variable-frequency dimming]		
	Current Accuracy	±5%		
	Ripple & Noise	≤2V		
INPUT	Dimming Interface	0-10V(1-10V/PWM/RX), Push Dim		
	Input Voltage	100-277Vac ±10%, [Max. 90-305Vac]		
	Frequency	50/60Hz		
	Input Current	115Vac≤0.2A, 230Vac≤0.12A, 277Vac≤0.1A	115Vac≤0.3A, 230Vac≤0.2A, 277Vac≤0.15A	115Vac≤0.45A, 230Vac≤0.25A, 277Vac≤0.2A
	Power Factor	PF>0.97/115Vac, PF>0.9/230Vac, PF>0.88/277Vac [full load]	PF>0.97/115Vac, PF>0.93/230Vac, PF>0.85/277Vac [full load]	PF>0.95/115Vac, PF>0.9/230Vac, PF>0.85/277Vac [full load]
	THD	<16%/115Vac, <20%/230Vac, <29%/277Vac [full load]	<16%/115Vac, <20%/230Vac, <22%/277Vac [full load]	
	Efficiency(typ.)	82%	85%	88%
	Inrush Current(typ.)	Cold start 8A at 230Vac (twidht=75µs measured at 50% Ipeak)	Cold start 10A at 230Vac (twidht=75µs measured at 50% Ipeak)	Cold start 20A at 230Vac (twidht=75µs measured at 50% Ipeak)
Anti Surge	L-N: 1kV			
Leakage Current	<0.5mA/230Vac			
ENVIRONMENT	Working Temperature	ta: -30°C ~ 55°C tc: 75°C		
	Working Humidity	20 ~ 95%RH, non-condensing		
	Storage Temp., Humidity	-40°C ~ 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	Over-heat Protection	Intelligently adjusting or turning off the output current if the PCB temperature ≥110°C. And the output current will be restored automatically when the temperature comes normal.		
	Over Load Protection	Shut down the output when current load ≥102%, auto recovers.		
	Short Circuit Protection	Shut down automatically if short circuit occurs, auto recovers.		
	Non-load Protection:	Shut down the output if no load, auto recovers when load back to normal.		
SAFETY & EMC	Withstand Voltage	I/P-O/P: 3750Vac		
	Isolation Resistance	I/P-O/P: 100MΩ/500VDC/25°C/70%RH		
	Safety Standards	IEC/EN61347-1, IEC/EN61347-2-13		
	EMC Emission	EN55015, EN61000-3-2 Class C, IEC61000-3-3		
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11 EN61547		
OTHERS	Dimension	175x44x30mm[LxWxH]		
	Packing	178x48x33mm[LxWxH]		
	Weight[G.W.]	175g±10g		

Dimensions

Unit: mm

