LED Driver 0-10V 200-1200mA 36W - AD-36-200-1200-E1A1 2831200

General

Product Type	Constant Current Driver
Length (mm)	167
Width (mm)	39
Height (mm)	30
Housing Color	White
Housing Material	Plastic
Mounting	Surface mounted
Weight (g)	175

Electronics

Input Domain	AC
Input Voltage	200 ~ 240V AC
Output Voltage	10 ~ 54V DC
Output Current (mA) max/output	200~1200
Output Power Range (W)	2~36
Power Supply	Internal
LED Outputs	1
Input Frequency	50Hz, 60Hz
Inrush Current	25A @ 230VAC

Lighting

Color Range	Single Color

Control

Output Signal	PWM-CC
Control	0-10V
Dimming Range	0~100%
Number of Channels	1

Protection

Protection Class	II

Environmental

Operating Temperature	-30 ~ +55 °C
Ingress Protection	IP20

CE RoHS COMPLIANT IP20 2 year warranty

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Paper size: A4

AD-36-200-1200-E1A1

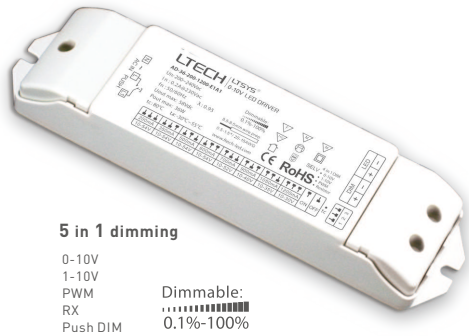
LTECH

0-10V Push Dim

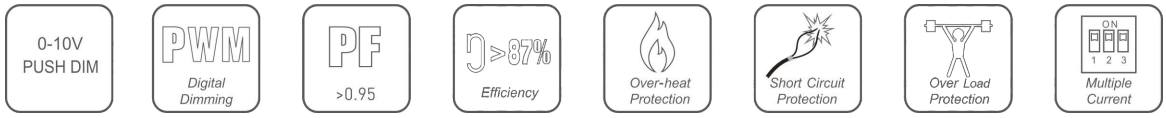
LED Intelligent Driver

2~36W 200~1200mA 10~54Vdc

- Dimming interface: 0-10V (1-10V/PWM/RX), Push Dim.
- Built-in high performance MCU, dimming curve can be customized.
- 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.
- Non-load output voltage 0V to prevent damages to LED caused by poor contact.
- Short circuit / Over-heat / Over load / Non-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:	0-10V (1-10V/PWM/RX), Push Dim
Input Voltage Range:	200-240Vac ±10%
Frequency:	50/60Hz
Input Current:	0.25A@180Vac, 0.20A@230Vac
Power Factor:	PF>0.95/230Vac, at full load
THD:	⩽15% at 230Vac, at full load
Efficiency:	>87%
Inrush Current(typ.):	Cold start 25A at 230Vac
Control Surge Capability:	L-N: 1kV
Leakage Current:	<0.5mA/230Vac
Operating Voltage:	10-54Vdc

Output Power Range:	2W~36W
Current Accuracy:	±3%
Max Output Voltage:	Max. 58Vdc
Non-load Output Voltage:	0Vdc
Dimming Range:	0~100%, LED start at 0.1% possible.
PWM Frequency:	⩽4KHz
Working Temperature:	tc: 80°C ta: -30°C ~ 55°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

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	9-36W	10.5-36.75W	12-36W

Protection

Over-heat Protection:	Shut down the output when PCB temp.⩾110°C, auto recovers when temp. back to normal.
Over Load Protection:	Shut down the output when rated power⩾102% ~125%, auto recovers when the load is reduced.
Short Circuit Protection:	Shut down automatically if short circuit occurs, auto recovers after faulty condition is removed.
Non-load Protection:	Shut down the output if no load, auto recovers when load back to normal.

Safety & EMC

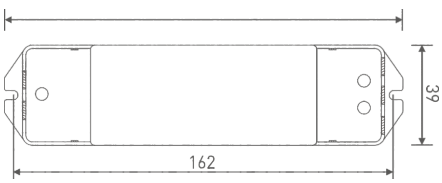
Withstand Voltage:	I/P-O/P: 3750Vac
Isolation Resistance:	I/P-O/P: 100MΩ/500VDC/25°C/70%RH
Safety Standards:	IEC/EN61347-1, IEC/EN61347-2-13
EMC Emission:	EN55015, EN61000-3-2 Class C, IEC61000-3-3
EMC Immunity:	EN61000-4-2,3,4,5,6,8,11 EN61547

Others

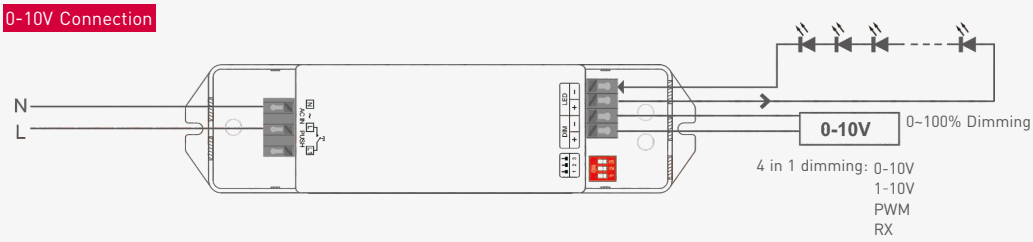
Dimension:	167×39×30mm(L×W×H)
Packing:	168×41×32mm(L×W×H)
Weight(G.W.):	165g±10g

Dimensions

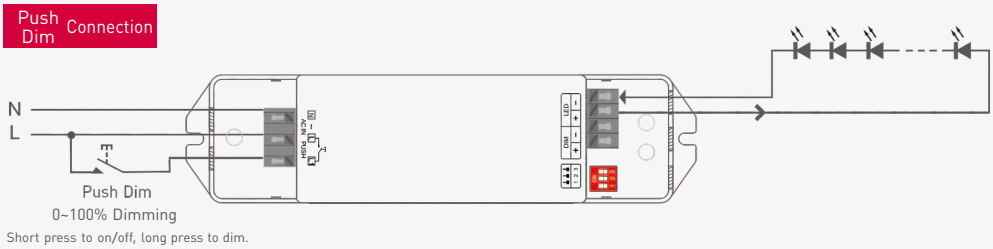
Unit: mm



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.

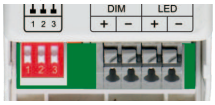
Push Dimming

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 Current Selection

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



200mA	350mA	500mA	600mA	700mA	900mA	1050mA	1200mA	ON	OFF
10-54V	10-54V	10-54V	10-54V	10-52V	10-40V	10-35V	10-30V		

✻ 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, 10-30V can power 3-9pcs LEDs, the max quantity of LEDs in series will be subject to the actual voltage of LED.