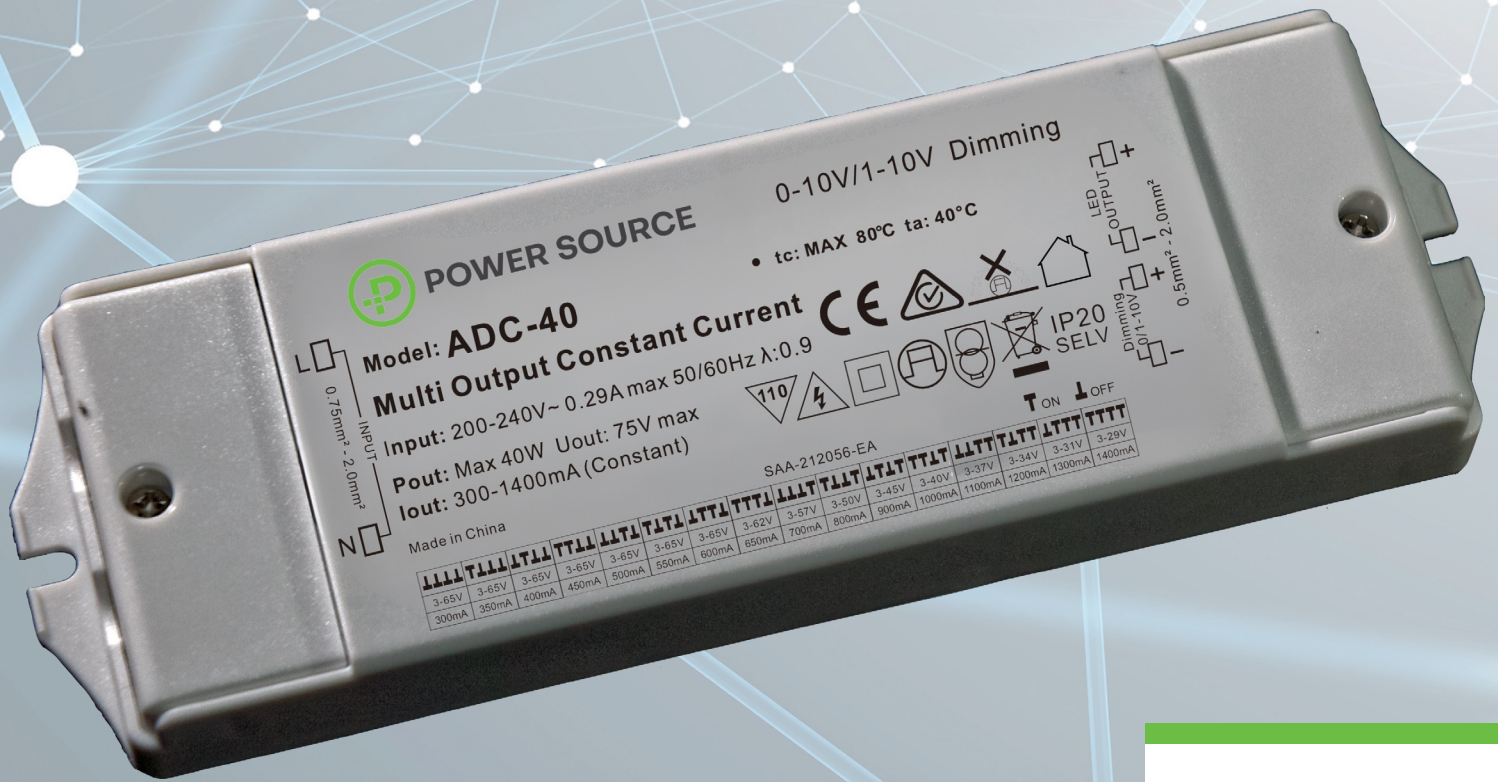








# POWER SOURCE



**5 YEAR  
WARRANTY**

**40W**  
**0/1-10V**  
**Dimmable**  
**Constant**  
**Current**  
**LED Driver**  
**With Selectable**  
**Output**

## Features of the: ADC-40

-  0/1-10V Dimmable
-  Output Current Selectable By DIP switch
-  AC Input Range: 200-240VAC with PFC
-  IP20 Design For Indoor Installation
-  Class II Power Supply
-  Easy Installation
-  Protections: Short Circuit, Overload, Over Temperature

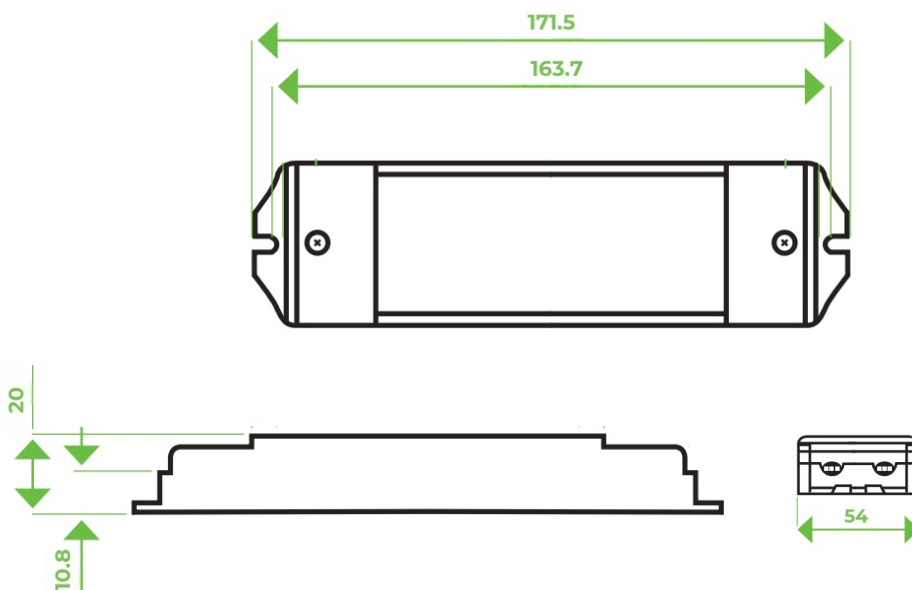
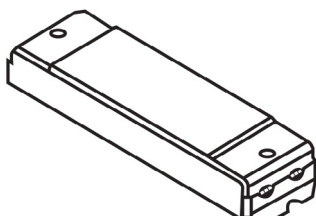


CE    IP20 SELV

Model		ADC-40							
Output	Rated Current (mA)	300mA	350mA	400mA	450mA	500mA	550mA	600mA	650mA
	T <sub>ON</sub> ↓OFF	↓↓↓↓	↓↓↓↓	↓↑↓↓	↓↑↓↓	↓↓↑↑	↓↑↑↑	↓↑↑↑	↓↑↑↑
	DC Voltage	3-65V	3-65V	3-65V	3-65V	3-65V	3-65V	3-65V	3-62V
	Rated Power	19.5W	22.8W	26W	29.3W	32.5W	35.8W	39W	40W
	Current Tolerance	±5mA							
	Rated Current (mA)	700mA	800mA	900mA	1A	1.1A	1.2A	1.3A	1.4
	T <sub>ON</sub> ↓OFF	↓↓↓↑	↓↑↑↑	↓↑↑↑	↓↑↑↑	↓↓↑↑	↓↑↑↑	↓↑↑↑	↓↑↑↑
	DC Voltage	3-57V	3-50V	3-45V	3-40V	3-37V	3-34V	3-31V	3-29V
	Rated Power	40W	40W	40W	40W	40W	40W	40W	40W
Input	Rated Input Voltage	100-277VAC							
	Rated Frequency	47-63HZ							
	Power Factor	0.99@120VAC	0.95@230VAC	0.90@277VAC					
	Efficiency (Typ.)	81%@120VAC	81%@230VAC	80%@277VAC					
	AC Current (Max.)	0.3A							
	Inrush Current (Typ.)	3.12A,24uS@50%Ipeak @120V		11.2A,18uS@50%Ipeak @230V		10.2A,24uS@50%Ipeak @277V			
	Leakage Current	<0.50mA							
Protection	Short Circuit	Constant current mode, recovers automatically after fault condition is removed.							
	Output No-Load Voltage	75V max.							
	Over Temperature	Ambient temp. over 55±10°C, output will be off; recovers automatically after temperature drops							
	Protection Class	II							
Environment	Working TEMP.	-40~+60°C							
	Working Humidity	20-90%RH, non condensing							
	Storage Temp. Humidity	-40 - +80°C, 10-95%RH							
	TEMP. coefficient	±0.03%/°C (0-50°C)							
	Vibration	10-500Hz, 2G 10min./1 cycle,period for 60min.each along X,Y,Z axes							
Safety	Safety Standards	EN61347-1 EN61347-2-13							
	Withstand Voltage	I/P-O/P:3.75KVAC							
	Isolation Resistance	I/P-O/P:100MΩ/500VDC/25°C/70%RH							
Others	Weight	0.20kg							
	Size	171.5*54*20mm (L*W*H)							
	Packing	320*280*215mm (50PCS/CTN )for outer carton							
Notes	1. All parameters NOT specially mentioned are measured at 277VAC input, rated load and 25°C of ambient temperature. 2. Tolerance: includes set up tolerance, line regulation and load regulation. 3. Specifications are subject to change without prior notice. Contact your supplier to confirm any critical parameters.								

## Mechanical Specification

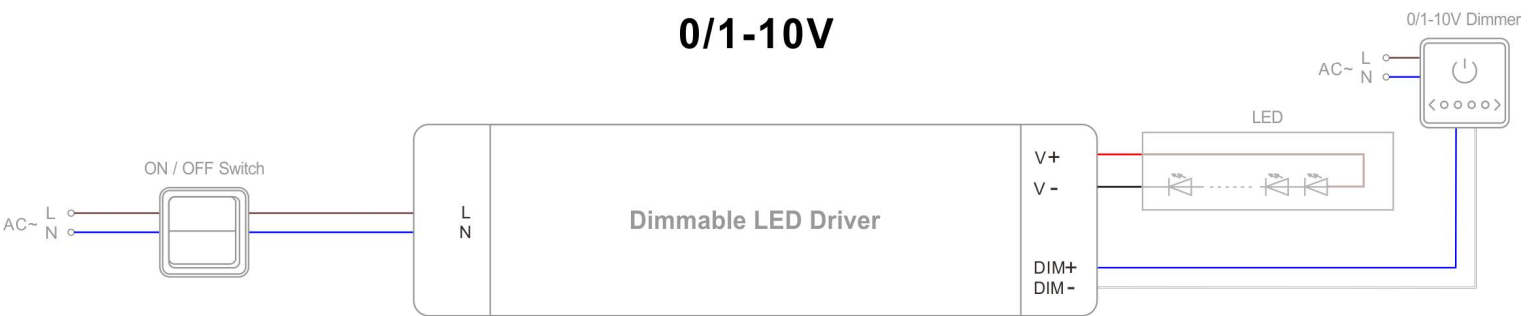
- Input 3 pole terminal block:  
Active AC (L), Neutral AC (N).
- Output 2 pole terminal block:  
Positive (LED+), Negative (LED-).
- 0/1-10V. Terminals 2P.
- Suggested wire diameter: Input 0.75-2mm<sup>2</sup>;  
Output: 0.5-2mm<sup>2</sup>.
- Ensure that all wiring is correct before testing in order to avoid damage to the LED driver or the LEDs.



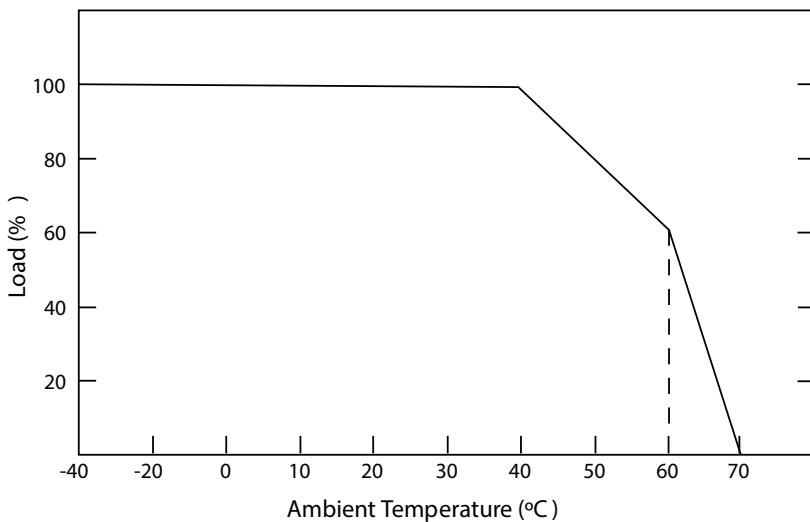
## Dimming Operation and Connecting Diagram

1. Adjust the LED driver output to the desired constant current by using the dip switch.
2. Connect the 0/1-10V dimmer pot – for example the Power Source D1-10.
3. Connect a light fitting and test operation before connecting any further fittings.

## 0-10/1-10V



## De-rating Curve and Instructions



- If being used in higher ambient temperatures, ensure the load on the LED driver is de-rated in accordance with this chart. Failure to do so could lead to a premature failure, which is not covered by the warranty.

To extend their life, please refer to the De-rating Curve and de-rate according to the temperature.

## Instruction:

- 1) This driver should be installed by qualified and professional person;
- 2) Please make sure the driver is installed with adequate ventilation around it to allow for heat dissipation.
- 3) Ensure that wiring is correct before test in order to avoid LED and power supply damage.

Any other question please feel free to contact ADM Systems Pty Ltd.