



GENERAL INFORMATION

State Automations AirLED Driver is a high performance LED Driver with 6 constant current outputs. The control input is either via DMX 512 data or 0-10V analogue or simple ON/OFF contact closure. The driver offers support for individual fixtures or multi circuit fixtures such as Dual White or RGB or RGBWA.

State Automation's AirLED range of LED Drivers offer the latest LED Adaptive Interactive Response (AIR) control. AIR is a new technology developed by State Automation to ensure smooth responsive dimming performance when using the latest high intensity LED's.

AIR technology allows your LED luminaire to respond in the most professional manner to 8 bit control data, converting this "steppy" 8 bit signal into a control signal that ensures smooth dimming, precise levels and the responsive performance that you expect from a professional automated lighting control system or a manual slider on a lighting desk.

APPLICATIONS

- Opera and Theatres
- Production studios
- Multi-purpose conference and exhibition venues
- Entertainment venues and Architectural installations

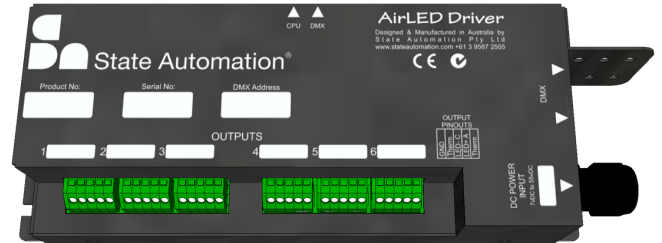
FEATURES

- Air Technology Adaptive Resolution provides intimate and accurate control of the light output from you LED's thus ensuring smooth dimming performance over the whole dimming range. SA utilises a morphing microprocessor to make decisions and change in form based on the configuration selected. AIR reacts dynamically to the rate of change of levels input from the user.
- Maintains the correct operating current to your LED arrays.
- Temperature fold-back and shutdown (Option to fit thermal sensing to LED heatsink).
- DMX512 Control
- Analogue 0-10V or Potentiometer Control
- Lighting levels maintained over the normal mains voltage fluctuations.

BENEFITS

- Architectural Building Automation System and Fire Systems , Force ON, Force OFF inputs
- Easy output wiring:
 - * Cage spring connectors (Standard)
 - * Plug connector (Optional)
 - * Cable tie down bracket (Optional)

Airled Driver—Standard Version



Airled Driver—with DC fuse Option



Data Control Specifications	
Data Control Input	DMX512 or Analogue
Auxiliary input ON/OFF	Dry contact closures
Control and monitoring	RDM (Option)
DMX Channels	Single channel control or individual channel control options

Regulatory Compliance	
Compliance	CE, C-tick

User Interface	
DMX Start Address	3 x Rotary Decimal Switches
Function Control	1 x Decimal Rotary switch
DMX Indicator	Green LED
Processor Heart Beat	Red LED
Output Indicators	6 x Red LED's



ORDERING INFORMATION

AirLED Drivers	
801-272-18	AirLED Driver - 1Ch
801-272-19	AirLED Driver - 2Ch
801-272-20	AirLED Driver - 3Ch
801-272-21	AirLED Driver - 4Ch
801-272-22	AirLED Driver - 5Ch
801-272-23	AirLED Driver - 6Ch

General Specifications	
Operating Ambient Temperature	-10 to +50 Deg C, when correctly installed as per instructions
IP Rating	IP 20
Dimensions H x W x D	Driver: 44mm x 87mm x 228mm
Weight	Driver 950g
Cooling	Convection

AirLED Driver Option Kits	
	Control
/10V	0-10V Control
/Pot	Slider (Potentiometer) Control
/Clip	DIN Rail Mounting Clips
/LRDMX	Wireless DMX option
AirLED Accessories	
801-274-03	DMX Terminator (RJ45 package)

Electrical Specifications	
DC Supply (Constant Supply)	7V-48V (0.5Amp-3.0Amp) / Channel
LED Driver Current (Power per Channel)	Available from 350 mA to 1,500 mA per channel options
Driver Efficiency	0.977
Control Technique	Adaptive Variable Power Control
Resolution	14 Bit adaptive
Signal Frequency	Variable from 200-900Hz
DMX512 Input	RJ45 (Supports UTP & STP cable)
DMX512 Output	RJ45 (Supports UTP & STP cable)
Panic Input Aux ON/OFF	Via RJ45 connectors
Luminaire connections	Polarised DC connectors