

DR-SD12-A 0-10V LED driver

Product Datasheet



DR-SD12-A is an adjustable current source solution. It caters LED lighting applications of up to 435W (12x12x3W LEDs). Up to 12 channel (4 Outputs).

DR-SD12-A is 0-10V controllable.

DR-SD12-A allows the flexibility needed in driving your high brightness LED's.

Applications

- Arc. Use
- LED lighting effects
- Theatrical and studio lighting
- Commercial and retail

Features:

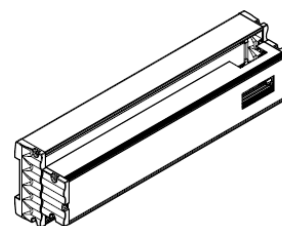
- Standard 0-10V control
- 50mA – 700mA Driving current
 - Output levels control via LCD menu!
- Smooth fade control with continuous current output
- High efficiency (up to 95%)
- From 1 and up to 12 serried LED per channel
- LCD display and menu navigation keys
- Self diagnostic protocol
- Line and circuit protections
- Thermal protection
- Easy profile and installation

Technical Summary

Dimensions	LED power output
272mm x 75mm x 58mm	Max. 48VDC
Output	Max. 350mA / 700mA per channel
350mA Max. 144 LEDs 4 outputs - total 6 channels	Power Input
700mA Max. 144 LEDs 4 outputs - total 6 channels	External power supply
	Connections
	Pluggable terminal block

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Specification	Notes / Conditions	350mA	700mA
Rated output power		Max 172.8 W	Max. 345.6 W
Output voltage		2~48VDC	2~48VDC
Driving current	Per channel	Max. 350mA	Max. 700mA
Output channels configuration	1 output = 3 channels	4 outputs total 12 channels	4 outputs total 12 channels
Channel driving capabilities	350mA = 1W LED	Min. 1 LED per channel	Min. 1 LED per channel
	700mA = 3W or High Brightness LEDs	Max. 12 LEDs per channel	Max. 12 LEDs per channel
Total driving capabilities		350mA = 1W LED – Max. 144	700mA = 3W or High Brightness LEDs – Max.144
Output resolution	Output curve is optimized for the best visual performance	256 grades (per channel) total grades (each output)	256 grades (per channel) total grades (each output)

Protection

Specification	Value
Fixture Protection	Open line protection Short line protection Wrong interconnection protection
Thermal Protection	Thermal feedback
DMX Protection	Over voltage protection

Control interface

Specification	Value
Control Method	0-10VDC
Stand alone working mode	Adjustable 1 – 12 channels

Environment

Specification	Value
Ingress Protection	IP40
Operating Ambient temp.	Range: -18°C ~ +40°C (0°F ~ +104°F)
Storage temp	Range: -18°C ~ +40°C (0°F ~ +104°F)
Humidity	85% RH