

DR-SD6 DMX/0-10V LED driver

Product Datasheet



DR-SD6 is an adjustable current source solution. It caters LED lighting applications of up to 172W (6x12x3W LEDs). Up to 6 channel (2 Outputs).

DR-SD6 is DMX-512 or 0-10V controllable.

DR-SD6 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:

- DMX-512 addressing
- Standard DMX512 signal or 0-10V control
- Manual 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 |
| 142mm X 75mm X 58mm | Max. 48VDC |
| | Max. 350mA / 700mA per channel |
| Output | Power Input |
| 350mA | External power supply |
| Max. 72 LEDs 4 outputs - total 6 channels | |
| 700mA | Connections |
| Max. 72 LEDs 4 outputs - total 6 channels | Pluggable terminal block |

DR-SD6 DMX/0-10V LED driver

Product Datasheet

| Specification | Notes / Conditions | 350mA | 700mA |
|-------------------------------|---|--|--|
| Rated output power | | Max 86.4 W | Max. 172.8 W |
| Output voltage | | 2~48VDC | 2~48VDC |
| Driving current | Per channel | Max. 350mA | Max. 700mA |
| Output channels configuration | 1 output = 3 channels | 2 outputs total 6 channels | 2 outputs total 6 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. 72 | 700mA = 3W or High Brightness LEDs – Max.72 |
| 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 | DMX512 or 0-10VDC |
| DMX working mode | Adjustable 1 – 6 channels |
| Loss of input DMX signal | Preserves previous state on all outputs, failure indication on LCD |

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 |