DMX Ndrive with Active Cooling Control
Data Sheet

Features:

- 12-24VDC voltage input
- DMX512 Input
- 12-24VDC dimming output
- 12VDC Output to drive active cooler
- PWM Output to control active cooler
- Thermistor Input for accurate measurement of heat sink temperature

Applications:

- Effect Lighting
- Theatre lighting

Standards:

Table of Contents

Features & Applications 1
Product Information 2
Mechanical Dimensions 3

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Product Codes

Part Number	Description	Dimensions
NDRV-DMX-C12P	Dimming Interface for converting DMX512 to Analog PWM output. Active thermal management with controlled output for active cooling system.	138x57x30mm / 15.43x2.24x1.18”
TRAN-TC300	Thermocouple for connection to heat sink.	300mm / 12”

Product Information

Eulum Design DMX Ndrive is an electronic control interface to Interpret a DMX512 dimming signal and apply a PWM output.

The Ndrive is to be used with constant voltage LED systems of 12-24VDC Only.

The Ndrive has a thermistor input allowing measurement of remote heatsink temperature. A switch allows the user to set the temperature at which the output to the active cooler will be enabled. A PWM cooler output increases the cooler speed as the temperature increases.

The table below shows the cooler output settings that are possible using the thermal settings switches.

	Therm	Temp	12VDC Output	PWM
1	No	-	No	No
2	No	-	100%	No
3	Yes	45°C	Yes	Yes
4	Yes	60°C	Yes	Yes

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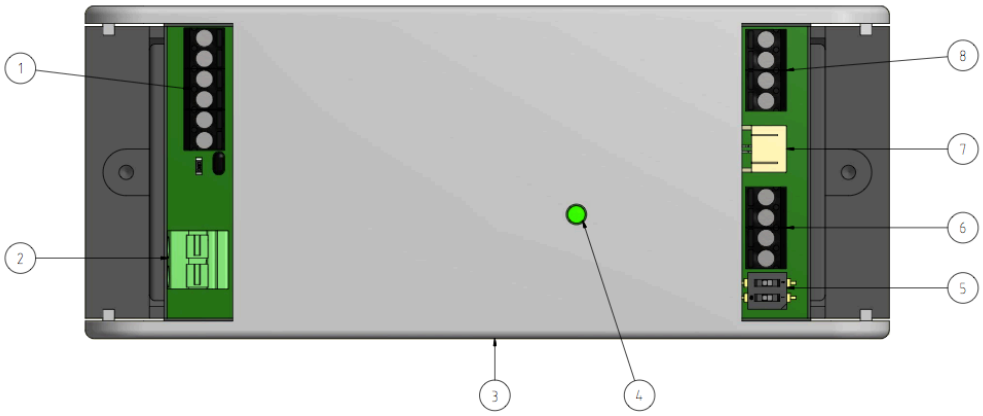
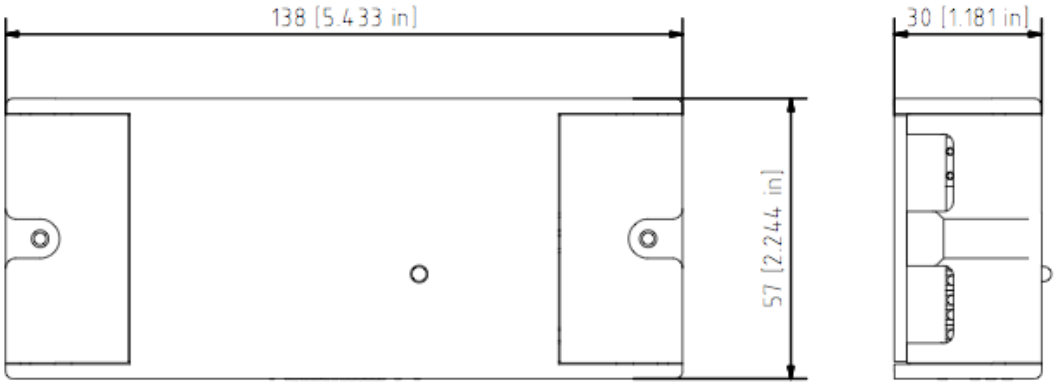
Wiring Diagram



1	DMX512 Input / Loop Out
2	12-24VDC Input
3	DMX Address
4	Status LED

5	Thermal Settings Switch
6	2 Channel Dimming Output to LEDs
7	Thermistor Connector
8	Output to Active Cooler

Dimensions



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