



Translates DMX512 / RDM into PowerSync 5, a robust digital format suitable for controlling up to 75 compatible luminaires, on a single power/data cable. Supplied complete with Din Rail mounting accessories, that can be installed on the edge or the back of the controller for simple installation and maintenance. The PowerSync Data Injector includes several integrated test modes for simple installation and an easy troubleshooting method for large control systems.

The inclusion of an internal DMX controlled contactor (relay), allows luminaire circuits to be switched on and off remotely through the show control system with no additional hardware.

Multiple passive and intelligent protections have been included to make the controllers more forgiving of the challenges of site installation, and provide a highly robust and reliable system designed for real world applications.

Electrical

Unit Power Consumption	<5 W
Input Voltage	Low Voltage 30-48 Vdc
Connected Current Rating	16 A / 12.5 A Maximum
Electrical Connections	Low Voltage Input Terminal Block PowerSync™ Out Terminal Block DMX In / Out RJ45 Sockets USB Micro Data Port (Programming, Commissioning and DMX/RDM over FTDI)

Control

Compatibility	DMX512/RDM
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Physical

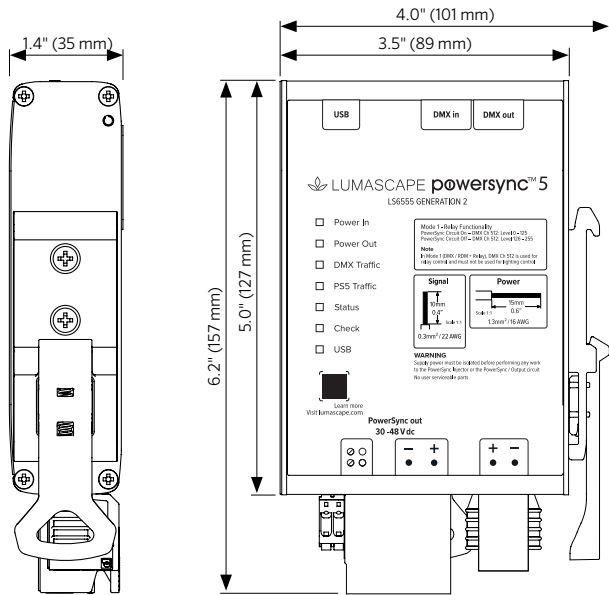
Housing	Extruded marine-grade aluminum
Finish	Anodized black
Mounting	35 mm DIN rail, supports side and back mounting
Ambient Operating Temperature	-40°F to 122°F (-40°C to 50°C) non-condensing
Weight	1.8 lb (0.8 kg)

Certification & Compliance

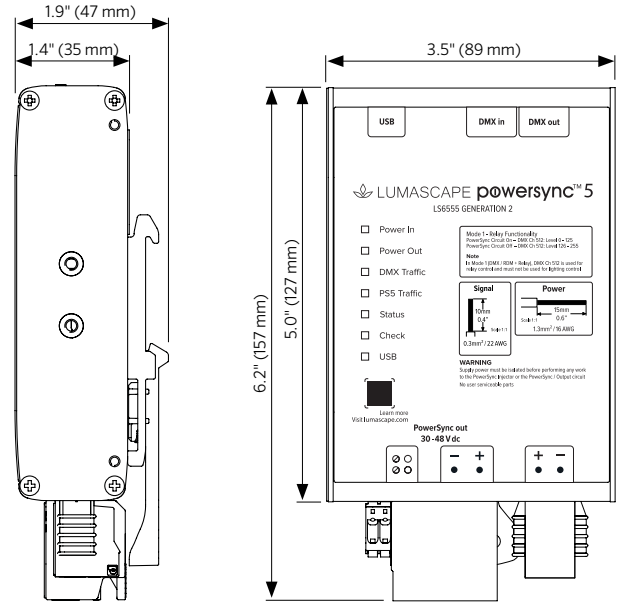
IP Rating	IP30
Approved Use	Low voltage lighting systems
Environment	Dry locations only
Certifications	ETL, CE, UKCA, RCM, FCC

Dimensions

Side Configuration



Back Configuration



Mode Switch

10 Position Mode Switch

Label	Descriptions
0	DMX/RDM
1	DMX/RDM + Relay
2	Test All Channels Off
3	Test All Channels On
4	Test 4 Color Cycle
5	Not Used
6	Not Used
7	CRM (Optional)
8	USB
9	Firmware Update

Wire Colors & Designations

Designation	Color
Positive	Red
Negative	Black
Data +	Orange/White
Data -	Orange
Data GND +	Green/White
Data GND -	Green

