Translates control signals into a digital format, delivering integral power and data to intelligent LED luminaires. This allows highly-granular addressing and high-speed digital control of every luminaire, using only three wires. The data injector is DIN rail mountable designed to be installed in a switchboard, next to the power supply and circuit breaker that is supplying power to the controlled lighting circuit. Accepts a growing list of standard protocols (0-10 V, DMX/RDM) for simple integration with a wide selection of control systems using these industry standard protocols.

Electrical

Unit Power Consumption	<5 W
Input Voltage	Low Voltage 30-48 Vdc
Connected Current	16 A
Electrical Connections	Low Voltage Input Terminal Block PowerSync™ Out Terminal Block DMX In / Out RJ45 Sockets PWM / 0-10 V Control Terminal Block USB Micro Data Port (programming, commisioning and DMX/RDM over FTDI)

Control

Dimming Options	DMX/RDM, PWM, 0-10 V

Physical

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

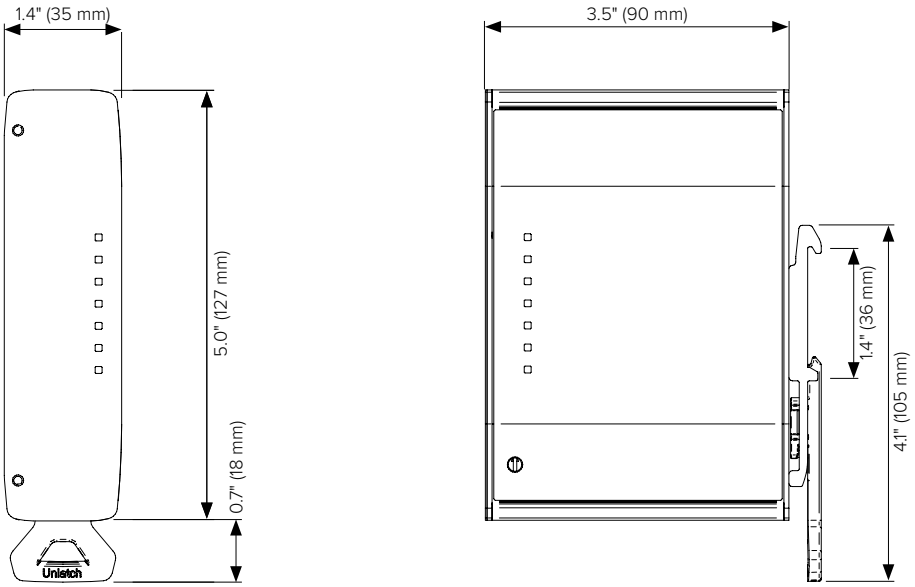
Certification & Compliance

IP Rating	IP30
Approved Use	Low voltage lighting systems
Environment	Dry locations only
Certifications	ETL, CE, CCC (pending)

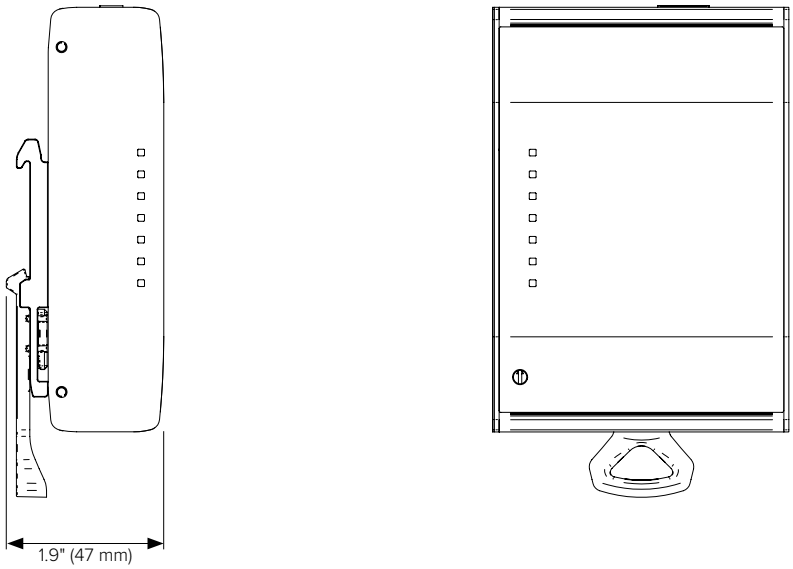
powersync™

Dimensions

Side Mount



Front Mount



Wire Colors & Designations

Low Voltage

Designation	Color
Positive	Red
Negative	Black
Data	Orange

Products and specifications are subject to change without notice.