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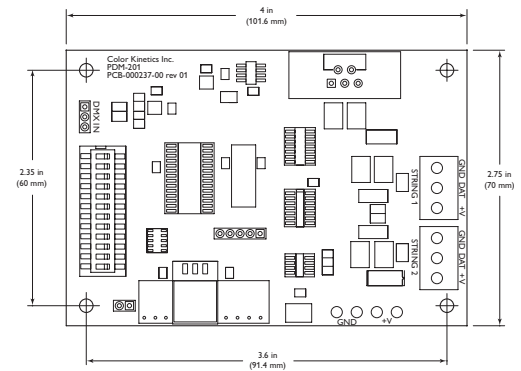
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# PDM-201

Compact, DMX-based power / data module for color-changing DLE's

PDM-201 allows product designers to easily integrate RGB digital light engines and lamps with a variety of available power supplies. By supporting 7.5VDC, 12VDC, or 24VDC power input, the PDM-201 supports standard power supplies in a variety of configurations which allows several power and data distribution options.

- **Compact size** — The module measures approximately 2.8 x 4.0 in (70 X 102 mm).
- **Simple design and flexible implementation** — The module's simple electrical and mechanical design allows you to directly integrate it into the fixture design or combine it with a third-party power supply to create a unified power / data supply.
- **Compatible with common, commercially-available power supplies** — PDM-201 supports all common standard 7.5VDC, 12VDC, and 24VDC power supplies and allows for a variety of power distribution options.
- **DMX Compatible** — Accepts standard DMX control and delivers color-changing data to digital light engines. By supporting the industry standard DMX input, PDM-201 can support Philips Color Kinetics DMX controllers or any standard, third-party DMX controller.
- **Pre-programmed lighting effects** — On-board effects include fixed color, color wash, rainbow wash, and random color. The shows are selected by setting DIP switches, which sets the effect mode, speed and color.



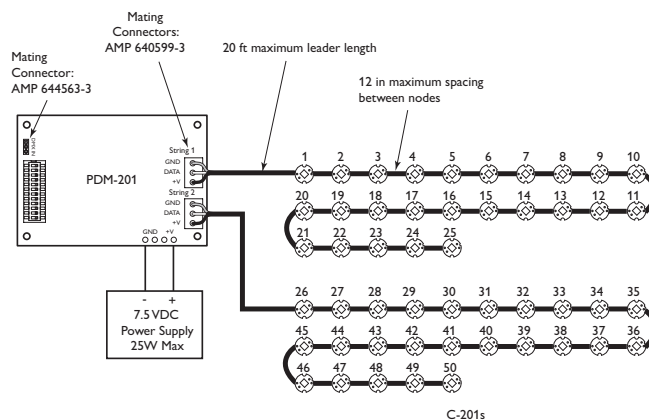
- **Supports custom solutions** — Use the PDM-201 to build your own cost-effective power / data solution in combination with Philips Color Kinetics fixtures and light engines.
- **Unrivalled expertise** — PDM-201 is supported by Philips Color Kinetics comprehensive technical and sales support, allowing partners to benefit from Philips Color Kinetics years of experience as an LED technology design leader. Philips Color Kinetics is available for design assistance, pre-installation planning, technical support and training.

**PHILIPS**

## Specifications

Due to continuous improvements and innovations, specifications may change without notice.

Item	Specification	Details	
Electrical	Input Voltage	7.5VDC, 12VDC, or 24VDC	
	Output Voltage	7.5VDC, 12VDC, or 24VDC	
Physical	Dimensions (Height x Width x Depth)	.75 x 4.0 x 2.8 in (19 x 102 x 70 mm)	
	Connectors	Data Input	DMX512 via 3-pin vertical header
		Voltage Output	Solder pad
		Voltage Input	Solder pads
		Power / Data Output	3-pin vertical header
		Compatible Data Input Connector	AMP/Tyco P/N: 644563-3
		Compatible Output Connector	AMP/Tyco P/N: 640599-3
	Temperature Range	14° – 122° F (-10° – 50° C) Operating	



Typical Installation Using Color Kinetics PDM-201 Power / Data Module

## Ordering Information

Item	Item Number
PDM-201	118-000062-00
DLE C-201	118-000153-00
DLE C-202	118-000154-00
DLE R-201	118-000076-00

## DIP Switch Settings

The following diagrams show the basic DIP Switch settings for the PDM-201 module's on-board lighting effects. The DMX Input setting enables the module to receive DMX512 data.

The greyed out boxes indicate switches used for the effect's settings, which are explained in detail in the applicable DLE Integration Guide.

### DMX Input:



### Fixed Color Effect:



### Color Wash Effect:



### Rainbow Effect:



### Random Effect:



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