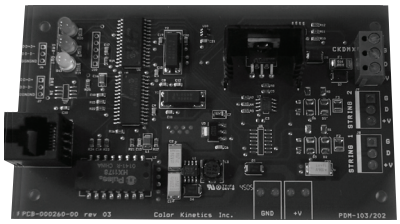
COLOR KINETICS™

PHILIPS

PDM-103



Color Kinetics® PDM-103 is a Series 100 power/data module. The PDM-103 allows product designers to easily integrate the Series 100 digital light engines (DLEs) with a variety of commercially available power supplies. The PDM-103 integrates with common power supplies in a variety of power and data distribution options. The PDM-103's simple electrical and mechanical design allows you to combine it with a power supply to create a unified power/data supply or integrate it directly into the fixture design to create a fully controllable lighting system.

The total number of Series 100 DLEs that a single PDM-103 can support is dependent on a variety of factors including the wattage requirements of all the DLEs in the system, the output of the power supply, as well as the physical layout of the system.

The PDM-103 accepts Color Kinetics' Ethernet-based control protocol and delivers a Series 100 DLE-compatible data format known as CKDMX. By supporting the Ethernet-based control protocol, the Series 100 DLEs connected to the PDM-103 can be controlled by a number of Color Kinetics' controllers.

Color Kinetics' Ethernet-based control protocol allows the PDM-103 to support a variety of useful system configuration and operation features including: auto-discovery of the Color Kinetics LED lights on the Ethernet network and remote addressing of the lights. These features make system installations easy, regardless of the size of the configuration.

FEATURES

- Economical
- Compact Size
- Easy to Integrate
- Ethernet ready
- Compatible with any Series 100 Digital Light Engine
- Supports automatic discovery of Color Kinetics LED light systems

PDM-103 ITEM# 118-000054-00

This product is protected by one or more of the following patents: U.S. Patent Nos. 6,016,038, 6,150,774 and other patents listed at http://colorkinetics.com/patents/. Other patents pending.

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BRO191 Rev 00

Specifications subject to change without notice. Refer to www.colorkinetics.com for the most recent data sheet versions.

PDM-103 SPECIFICATIONS

POWER INPUT	24VDC
POWER OUTPUT	24VDC
AMBIENT OPERATING TEMP	14°F to 122°F (-10°C to 50°C)
CONNECTORS	Data Input: RJ45 Power Input: Solder pads Control Output: 3-connector screw terminal
DATA INPUT INTERFACE	Color Kinetics' Ethernet-based Control Protocol
DATA OUTPUT INTERFACE	CKDMX

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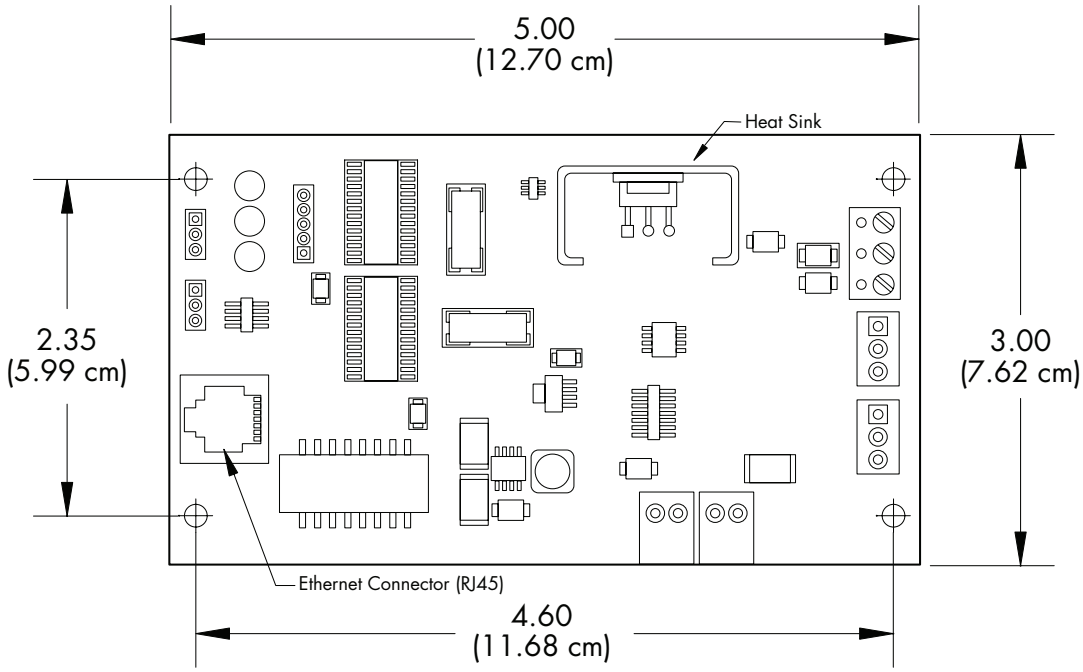
PHYSICAL DIMENSIONS



Note: The PDM-103 board is 0.062" (1.6 mm) thick and the heat sink (see above) is 1.20" (3.05 cm) high off the board.

For complete installation instructions and safety precautions, refer to the DLE Integration Guide and wiring diagrams located at www.colorkinetics.com/support.