



J u i c e B o x 2

POWERED BY SMARTJUICE®



Color Kinetics® Juice Box 2 represents a breakthrough in lighting control technology. Juice Box 2 provides both power and data to iColor® MR lamps over conventional two-wire circuits using Color Kinetics' exclusive patent pending Smartjuice® technology.

Smartjuice is intelligent power—data and power multiplexed together to offer an elegant method of lighting control. Delivering power and data to lighting fixtures by conventional methods usually requires running a wire for data as well as for power. In many existing installations, adding the data line is not always practical or even possible. Smartjuice provides power and control for digital lamps in standard lighting fixtures without the need for the additional wire. The separate incoming lines for power and data are combined into a common outgoing line of power and data multiplexed together. Smartjuice even permits individual control of iColor MR over this common bus. This invention eliminates the need to wire each fixture separately for data, making retrofit installations quick and easy.

Juice Box 2 is designed to support up to 40 iColor MR (iMR-003) lamps, when used with a C-Series power supply. It replaces other step-down transformers for a variety of low-voltage circuits for standard MR16 fixtures, including cable, track, and rail systems up to 50 feet away. Juice Box 2 offers additional features specifically designed for plug-and-play lighting applications: it accepts power via screw terminals or a BNC connector; it accepts data via RJ45 data connectors; it distributes Smartjuice via screw terminals; and the entire package fits into a sleek 6.5" x 2.78" x 1.0" box. For installations requiring multiple Juice Box 2 units, the data signal can easily be daisy chained from power supply to power supply.

NOTE: Juice Box 2 performs internal diagnostics upon start up. A seven-second delay before power is distributed to the iColor MR fixtures is to be expected.

PRODUCT SPECIFICATIONS

HOUSING Enclosed ABS, flame retardant, UL94 V-O plastic housing

ENVIRONMENTAL SPECIFICATIONS

RECOMMENDED TEMPERATURE RANGE -4°F to 122°F (-20°C to 50°C)

ALLOWABLE HUMIDITY RANGE 0 to 95% non-condensing humidity

COMMUNICATIONS SPECIFICATIONS

DATA INTERFACE PC, DMX512 (RS485) compatible

ELECTRICAL SPECIFICATIONS

POWER INPUT 24V DC

POWER OUTPUT 2.5A @ 24V DC (60W) (Only when used with a C-Series power supply)

POWER SUPPLY Color Kinetics C-Series Power Supply (item# 109-000001-00)

ITEM# 106-000002-01

U.S. PATENT 6,292,901
FOR USE UNDER U.S. PATENTS 6,016,038, 6,150,774
OTHER PATENTS PENDING

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Specifications subject to change without notice.

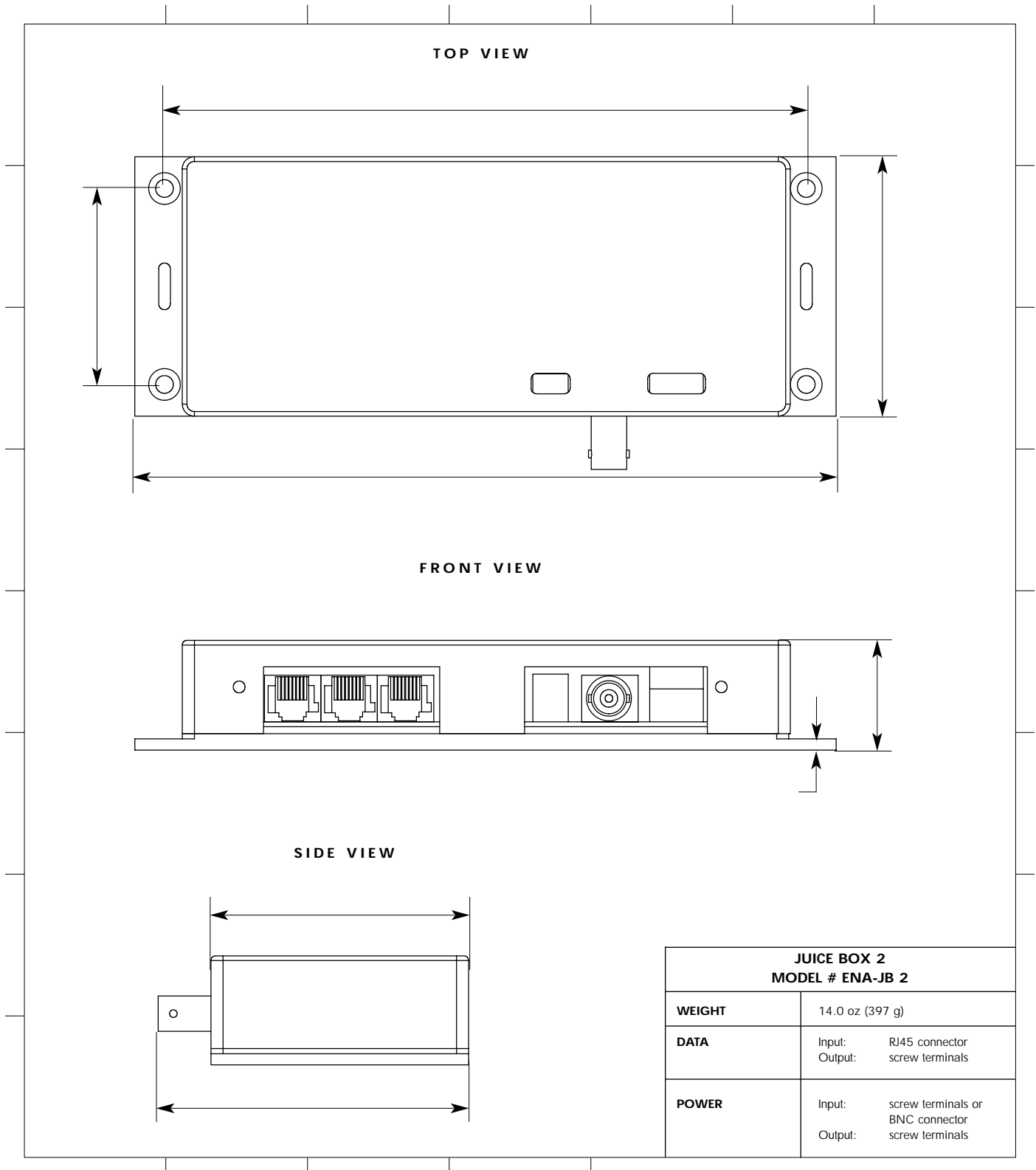
WARNING: The power must be OFF before installing or removing the product.

U.S. AND FOREIGN PATENTS AND PATENTS PENDING

Color Kinetics Incorporated grants the purchaser of its lighting products and controllers a personal and non-transferable license to use Chromacore®, its patented technology for networkable control of LED-based color-changing lighting fixtures for illumination, display and design. This license is granted only by Color Kinetics Incorporated, and may not be transferred except by the grantor. The design, duplication, manufacture, or sale of other products using networkable control of LED-based color-changing lighting may be prohibited and is not licensed hereunder. Other patents pending.

JUICE BOX 2

physical dimensions



JUICE BOX 2

Wiring Diagram

