Product Introduction:
The EP-RS232-ADV LED Controller is a highly professional and intelligent system to control common anode LED lighting or incandescent light bulbs via 2-way RS232 serial commands. The EP-RS232-ADV provides 4 high current channel to create light scenes. The controller can also operate in a standalone mode which includes pre-programmed light sequences. This LED controller is ideal used for flexible ThinGlow™ LED strips.

Key Features
• 4 high current channels with independent control - The highest in the industry. RGB+White
• Suitable for common anode RGB LED strips, LEDs and incandescent bulbs.
• Standalone mode with 8 preprogrammed light sequences.
• Custom user-editable sequence via RS232.
• Wide-range effect speed adjust.
• Wide-range of external input acesories such IPAD, relays, and wireless transmitter.
• Complete lists of color and scene serial commands to save programming time.
• Memory for last selected sequence and user-editable sequence.
• Serial TTL interface to control from your microcontroller or PC - interface sold seperately.
• Addressable. Multiple modules can be connected with independent control for each module.
• Small form factor (Al sendin sizes).
• PWM of 480 Hz to deliver smooth dimming and a wide range of color spectrum of LED light fixtures.
• Override memory feature that allows last program to continue even in an event whereby the RS232 is disrupted for any reason.
• Reverse polarity protection.

Specifications
Power Requirement: External power supply - (power supply sold seperately)
Operating Voltage: Input: 8-24V DC
Output: 8-24V DC (depends on input)
Channel Current: 10Amp@12V DC Per Channel
20A@24V DC Per Channel
Specifications (con’t)

LED intensity control: 255 intensity levels/channel
Communication Interface: Serial RS232 and serial TTL interface, 9600 baud, 8 data bits, 1 stop bit, no parity, no handshaking, and no flow control
Dimension: 4” x 6.75” x 1.75” in
Weight: 3.5 lbs

Control & Indicators
Net ID: DIP switches
Power: Blue LED on logo, indicates when power is applied
RGB Speed: Blue LED on logo, indicates color changing speed
R-G-B output: RGB LED on board
White Output: White LED on board

Enclosure
Black anodized aluminum with laser engraving
Logo - optical grade acrylic with LEDs

Connectors
Screw terminal up to 10Awg conductor diameter.

Recommended Wiring
18 Awg up to 5 Amp total
16 Awg up to 10 Amp total
12 Awg up to 20 Amp total
10 Awg up to 40 Amp total

<table>
<thead>
<tr>
<th>Color/Channel</th>
<th>12V</th>
<th>24V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>10Amp</td>
<td>20Amp</td>
</tr>
<tr>
<td>Green</td>
<td>10Amp</td>
<td>20Amp</td>
</tr>
<tr>
<td>Blue</td>
<td>10Amp</td>
<td>20Amp</td>
</tr>
<tr>
<td>White</td>
<td>10Amp</td>
<td>20Amp</td>
</tr>
<tr>
<td>Total</td>
<td>40Amp</td>
<td>80Amp</td>
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Product Introduction:
The EP-RS232-PRO LED Controller is a highly professional and intelligent system to control common anode LED lighting or incandescent light bulbs via 2-way RS232 serial commands. The EP-RS232-PRO provides 4 high current channels to create light scenes. The controller can also operate in a standalone mode which includes pre-programmed light sequences. This LED controller is ideal used for flexible ThinGlow™ LED strips.

Key Features
• 4 high current channels with independent control - *The highest in the industry. RGB+White*
• Suitable for common anode RGB LED strips, LEDs and incandescent bulbs.
• Standalone mode with 8 preprogrammed light sequences.
• Custom user-editable sequence via RS232.
• Wide-range effect speed adjust.
• Wide-range of external input accessories such IPAD, relays, and wireless transmitter.
• Complete lists of color and scene serial commands to save programming time.
• Memory for last selected sequence and user-editable sequence.
• Addressable. Multiple modules can be connected with independent control for each module.
• Small form factor (Al sending sizes).
• PWM of 480 Hz to deliver smooth dimming and a wide range of color spectrum of LED light fixtures.
• Override memory feature that allows last program to continue even in an event whereby the RS232 is disrupted for any reason.
• Reverse polarity protection.

Specifications
Power Requirement
External power supply - (power supply sold separately)

Operating Voltage:
Input: 8-24V DC
Output: 8-24V DC (depends on input)

Channel Current:
5Amp@12V DC Per Channel
10A@24V DC Per Channel
Specifications (con’t)

LED intensity control: 255 intensity levels/channel
Communication Interface: Serial RS232
9600 baud, 8 data bits, 1 stop bit, no parity, no handshaking, and no flow control
Dimension: 4” x 5” x 1.75” in
Weight: 2.5 lbs

Control & Indicators
Power: Blue LED on board/or logo
RGB Speed: Blue LED on board/or logo
R-G-B output: RGB LED on board
White Output: White LED on board

Enclosure
Black anodized aluminum with laser engraving
Logo - optical grade acrylic with LEDs

Connectors
Screw terminal up to 10Awg conductor diameter.

Recommended Wiring
- 18 Awg up to 5 Amp total
- 16 Awg up to 10 Amp total
- 12 Awg up to 20 Amp total
- 10 Awg up to 40 Amp total

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