The **CTRLDMX.4CH.3S.W** is a single zone DMX controller with three scene memory and an RGB/RGBW color picker for use with color changing FLEXDC products.

### SPECIFICATIONS

#### ELECTRICAL

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>12 - 24 VDC</td>
</tr>
<tr>
<td>Current</td>
<td>0.2A Max</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>4.8 Watts</td>
</tr>
<tr>
<td>Control Output</td>
<td>4 Channels of DMX 512</td>
</tr>
</tbody>
</table>

#### OTHER

- Fits in standard US switch box
- Smooth glass face plate
- Single zone of control
- 4 channels (preset for use with RGB & RGBW)
- 3 scene memory
- Built in color fade programs with speed control
- 5 year warranty

#### DIMENSIONS

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length (L)</td>
<td>4.72” (119.89mm)</td>
</tr>
<tr>
<td>Width (W)</td>
<td>2.95” (74.93mm)</td>
</tr>
<tr>
<td>Height (H)</td>
<td>1.15” (29.21mm)</td>
</tr>
</tbody>
</table>

### PART NUMBER BUILDER

- SERIES
  - CTRLDMX
- CHANNEL
  - 4CH - 4 CHANNELS
- SCENE MEMORY
  - 3S - 3 Scene Memory
- FACEPLATE COLOR
  - W - WHITE
**WALL MOUNTED DMX CONTROLLER (SINGLE ZONE) Specification Sheet**

**CONTROLLER DRIVER - CONTROL POWER SUPPLY (LV10-24N-120-A)**

- Driver Type: CV (Constant Voltage)
- Number of Outputs: 1
- Dry and Damp Location
- Output Power: 10W
- Input Voltage Range: 120VAC
- Operating Temperature: -40ºC to +90ºC
- UL 8750 recognized

**INPUT**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage Range</td>
<td>120VAC</td>
</tr>
<tr>
<td>Frequency Range</td>
<td>60Hz</td>
</tr>
<tr>
<td>Power Factor</td>
<td>&gt;0.5</td>
</tr>
<tr>
<td>Efficiency</td>
<td>80%</td>
</tr>
<tr>
<td>AC Current</td>
<td>0.22A</td>
</tr>
</tbody>
</table>

**OUTPUT**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Power</td>
<td>10 Watts</td>
</tr>
<tr>
<td>Max Current</td>
<td>0.42</td>
</tr>
<tr>
<td>Max Voltage</td>
<td>24V</td>
</tr>
</tbody>
</table>

**OTHER**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length (L)</td>
<td>2.70&quot; (68.58mm)</td>
</tr>
<tr>
<td>Width (W)</td>
<td>1.30&quot; (33.02mm)</td>
</tr>
<tr>
<td>Height (H)</td>
<td>0.80&quot; (20.32mm)</td>
</tr>
<tr>
<td>Mounting (M)</td>
<td>2.86 lbs</td>
</tr>
<tr>
<td>Working Temp. Range</td>
<td>-40 to +90ºC</td>
</tr>
<tr>
<td>Warranty</td>
<td>5 years</td>
</tr>
</tbody>
</table>

**WIRE SPECS**

<table>
<thead>
<tr>
<th>Input</th>
<th>6&quot;, #18AWg (White, Black)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output</td>
<td>6&quot;, #22AWG (Red and Blue)</td>
</tr>
</tbody>
</table>
**WALL MOUNTED DMX CONTROLLER**

**BUTTON FUNCTIONS**

**Red Channel**
- Tap to turn on/off
- Hold to adjust light intensity

**Green Channel**
- Tap to turn on/off
- Hold to adjust light intensity

**Blue Channel**
- Tap to turn on/off
- Hold to adjust light intensity

**White Channel**
- Tap to turn on/off
- Hold to adjust light intensity
- Master on/off
- Play/Pause programmed effects
- Hold to adjust effect speed
- Hold to save color/effects preset
- Tap to recall preset

**Select color from RGB color wheel**

**Warm White, Natural White, Cool White**
- Tap to switch between warm, natural & cool white mixed with RGB
- Hold to adjust overall light intensity

---

**NOTES:**
- Set eldoLED DMX Module mode of operation to DMX.
- Set LED Group to RGBW
- Refer to page 2 of eldoLED DMX Module Quick Start Guide
ALL DMX CABELING SHALL CONFORM TO ANSI E1.27-2-2009 (R2014), RECOMMENDED PRACTICE FOR PERMANENTLY INSTALLED CONTROL CABLES FOR USE WITH ANSI E1.11 (DMX512-A) AND USITT DMX512/1990 PRODUCTS.

THE MAXIMUM TOTAL LENGTH OF A DAISY-CHAIN DMX CONTROL RUN IS 300 METERS (1,000 FEET) USING THE LOWEST GRADE CABLING CONFORMING TO ANSI E1.27-2-2009 (R2014). IMPROVED WIRE GAUGE AND SHIELDING CAN EXTEND THIS LIMITATION. SOME ADDITIONAL DEVICES SUCH AS REPEATERS OR SPLITTERS MAY ALSO EXTEND THIS LIMITATION. CONSULT MANUFACTURER TO VALIDATE ANY LIMITATION EXTENSIONS.

EVERY DMX CONTROL RUN MUST BE TERMINATED AFTER THE LAST DMX CONTROL MODULE IN A DAISY-CHAIN SEQUENCE WITH A DMX TERMINATOR.

(Repeat step for additional modules)
WALL MOUNTED DMX CONTROLLER (SINGLE ZONE)

Specification Sheet

1130 Monterey Pass Rd, Monterey Park, CA 91754
213.250.6069 | customerservice@opticarts.com | www.opticarts.com

Optic Arts reserves the right to modify this specification without prior notice.

© Optic Arts 2017

5 of 5

WIRING DIAGRAMS - LV10-24N-120-A

ALL DMX CABLING SHALL CONFORM TO ANSI E1.27-2-2009 (R2014), RECOMMENDED PRACTICE FOR PERMANENTLY INSTALLED CONTROL CABLES FOR USE WITH ANSI E1.11 (DMX512-A) AND USITT DMX512/1990 PRODUCTS.

THE MAXIMUM TOTAL LENGTH OF A DAISY-CHAIN DMX CONTROL RUN IS 300 METERS (1,000 FEET) USING THE LOWEST GRADE CABLING CONFORMING TO ANSI E1.27-2-2009 (R2014). IMPROVED WIRE GAUGE AND SHIELDING CAN EXTEND THIS LIMITATION. SOME ADDITIONAL DEVICES SUCH AS REPEATERS OR SPLITTERS MAY ALSO EXTEND THIS LIMITATION. CONSULT MANUFACTURER TO VALIDATE ANY LIMITATION EXTENSIONS.

EVERY DMX CONTROL RUN MUST BE TERMINATED AFTER THE LAST DMX CONTROL MODULE IN A DAISY-CHAIN SEQUENCE WITH A DMX TERMINATOR.

1130 Monterey Pass Rd, Monterey Park, CA 91754
213.250.6069 | customerservice@opticarts.com | www.opticarts.com

Optic Arts reserves the right to modify this specification without prior notice.

Last Modified: May 30, 2018 10:56 AM