ADAPTIVE PHASE DIMMER
CENTRALIZED LIGHTING

The Control4® 8-Channel Adaptive Phase Dimmer controls up to eight loads from one module in the Control4 system. It is an adaptive phase dimmer, so each channel supports a variety of load types including incandescent, halogen, electronic low-voltage (solid-state) transformer, magnetic (iron core) low-voltage transformer, fluorescent, compact fluorescent, LED, and motor. The 8-Channel Adaptive Phase Dimmer automatically detects the load type and sets the appropriate dimming mode.

- Controls up to eight loads and supports a variety of load types
- Each channel can be set to different dimming modes including Switch mode, Forward Phase mode, Reverse Phase mode, and Autodetect mode
- Channel buttons allow for toggling on/off or ramping up/down a load
- Channel Status LEDs indicate whether a load is on, off, or in short-circuit fault
- Module Override button allows toggling between the module override scene and all channels off or setting the module override scene to current channel levels
- Module Status LED indicates if module power is on with normal operation, off, or in thermal overload
- Link/Activity LED indicates system link status, communication activity, or firmware update status
- Reset button can be used for factory default or network configuration settings
- Auxiliary override connection allows a standard line-voltage toggle switch to control the attached lights before the control system is installed or in case the controller malfunctions
- Module can be installed in either a Control4 5- or 2-slot panel or a third-party DIN rail panel
- California Title 20 compliant (see ctrl4.co/title20 for more information on Title 20 / Title 24 compliance)
**CONTROL4 8-CHANNEL ADAPTIVE PHASE DIMMER**

**Model number**: C4-DIN-8DIM-E-V2

**Power requirements**: 100-120VAC, 50/60 Hz, single phase only

**Line in (circuits)**: 1 or 2

**Power consumption**: 5W

**Supported load types**: Incandescent, halogen, electronic low-voltage transformer (ELV), magnetic (iron core) low-voltage transformer (MLV)*, fluorescent, compact fluorescent, LED, motor

**Control communications**: Ethernet

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**Module load ratings in Control4® panel**

<table>
<thead>
<tr>
<th>120V</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Module max with two lines in</td>
<td>3200W</td>
</tr>
<tr>
<td>Line 1 in max</td>
<td>1920W</td>
</tr>
<tr>
<td>Line 2 in max</td>
<td>1920W</td>
</tr>
<tr>
<td>Module max with one line-in</td>
<td>1920W</td>
</tr>
</tbody>
</table>

**Module load ratings in standard DIN rail panel**

<table>
<thead>
<tr>
<th>120V</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Module max with two lines in</td>
<td>1920W</td>
</tr>
<tr>
<td>Line 1 in max</td>
<td>1000W</td>
</tr>
<tr>
<td>Line 2 in max</td>
<td>1000W</td>
</tr>
<tr>
<td>Module max with one line-in</td>
<td>1920W</td>
</tr>
</tbody>
</table>

**Individual channel load ratings**

<table>
<thead>
<tr>
<th>120V</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Incandescent, tungsten, halogen</td>
<td>Max dimmable 1000W</td>
</tr>
<tr>
<td></td>
<td>Min 2W</td>
</tr>
<tr>
<td>ELV, MLV*</td>
<td>Max dimmable 1000W</td>
</tr>
<tr>
<td></td>
<td>Min (MLV) 18W*</td>
</tr>
<tr>
<td>Fluorescent, CFL</td>
<td>Max dimmable 500W</td>
</tr>
<tr>
<td></td>
<td>Max non-dimmable 250W</td>
</tr>
<tr>
<td></td>
<td>Min 2W</td>
</tr>
<tr>
<td>LED</td>
<td>Max dimmable 200W</td>
</tr>
<tr>
<td></td>
<td>Max non-dimmable 200W</td>
</tr>
<tr>
<td></td>
<td>Min (except MLV) 2W</td>
</tr>
<tr>
<td></td>
<td>Min (with MLV trans.) 18W*</td>
</tr>
<tr>
<td>Motor</td>
<td>Max dimmable N/A</td>
</tr>
<tr>
<td></td>
<td>Max non-dimmable 1/8 HP</td>
</tr>
<tr>
<td></td>
<td>Min N/A</td>
</tr>
</tbody>
</table>

**Connections**

- **Line voltage screw terminals**: 16 (Line 1, Line 1 Neutral, Earth Ground, Line 1 Out, Line 2 Neutral, Line 2, Loads 1-8, Aux In, Aux Out)
- **Recommended wiring size**: One 26 AWG to 12 AWG (0.12 mm² to 2.5 mm²) per terminal
- **RJ-45**: 2 ports—1 Ethernet in, 1 Ethernet passthrough

**Environmental**

- **Operational temperature**: 32°F to 104°F (0°C - 40°C)
- **Humidity**: 5% to 95% Non-condensing
- **Storage**: -4°F to 158°F (-20°C - 70°C)
- **Heat dissipation**: 175 BTU/hr @120VAC

**Dimensions**

- **DIN module width**: 12M
- **weight**: 2.7 lbs (1.2 kg)
- **Shipping weight**: 3.2 lbs (1.4 kg)

*Important! When dimming MLV loads, each transformer must be loaded to at least 50% of its maximum load.*