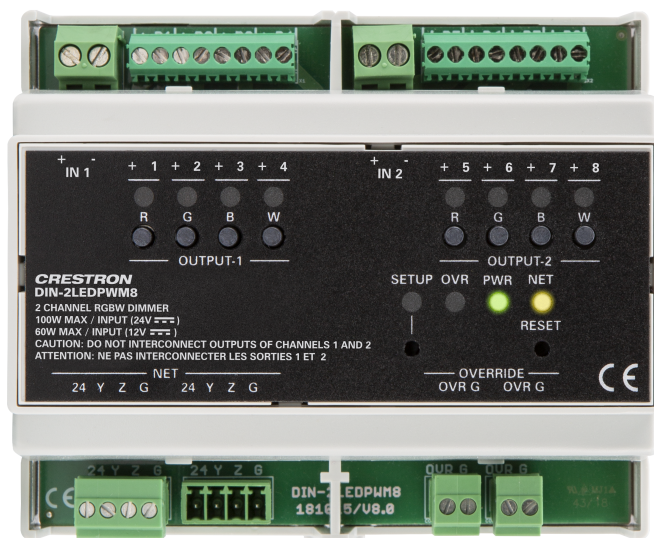


# DIN-2LEDPWM8

## 2 Channel RGBW LED Dimmer, DIN Rail Mount



- Two independently powered and controlled 12-24VDC LED dimming outputs
- Each output controls one RGBW LED or LED strip, or four individual LEDs or LED strips
- Pulse Width Modulation (PWM) dimming technology for flicker free dimming
- 100 W maximum power, 5A @ 24VDC
- 60 W maximum power, 5A @ 12VDC
- Override input
- Cresnet® wired communications
- Setup via front panel or software
- Programmable functionality using a Crestron® [Control System](#)
- 6M wide DIN rail mounting

The Crestron® DIN-2LEDPWM8 is a two-channel RGBW LED and LED strip dimmer. It uses pulse width modulation (PWM) frequency to provide flicker-free performance throughout the dimming range.

Visit the Crestron [Lighting Fixture Compatibility](#) page to find out which Crestron lighting devices have been tested and are compatible with third-party lighting fixtures.

### Override Input

Override inputs are provided to allow an external contact closure to momentarily override the control system program and set each channel output to its override preset level. Levels can be adjusted and saved locally from the front panel or remotely via software.

### DIN Rail Installation

The DIN-2LEDPWM8 is designed to snap onto a standard DIN rail for installation in a wall mount enclosure. Wiring connections are made using screw terminals positioned along the bottom, clearly accessible from the front for easy installation and servicing. All setup controls and indicators are positioned on the center front panel. When installed in an enclosure utilizing 45 mm cutouts, the DIN-2LEDPWM8's front panel stays accessible while the connections are concealed.

### Cresnet® Wired Communications

The DIN-2LEDPWM8 communicates with a Crestron® [Control System](#) using the Cresnet control network. A pair of Cresnet ports is provided on the DIN-2LEDPWM8, allowing for easy daisy-chaining of several DIN Rail Series automation control modules.

## Specifications

### Power

|      |                                                                                            |
|------|--------------------------------------------------------------------------------------------|
| IN 1 | 12 to 24VDC, 5A max (60 to 100 W max)<br>Class 2;<br>Power pass-through to <b>OUTPUT-1</b> |
| IN 2 | 12 to 24VDC, 5A max (60 to 100 W max)<br>Class 2;<br>Power pass-through to <b>OUTPUT-2</b> |

### Load Ratings

|                     |                                                                            |
|---------------------|----------------------------------------------------------------------------|
| Maximum per Channel | 5A max per individual RGBW output channel;<br>5A max per RGBW output group |
| Module Total        | 10A max                                                                    |
| Load Types          | 12-24VDC PWM controlled anode RGBW or single color LEDs and LED strips     |
| Dimming Range       | 0-100%                                                                     |
| PWM Frequency       | 120-1200 Hz;<br>301 Hz (default)                                           |
| Dimming Curve       | Linear and logarithmic                                                     |

### Communications

|         |                        |
|---------|------------------------|
| Cresnet | Cresnet secondary mode |
|---------|------------------------|

### Connectors

|     |                                                                                                          |
|-----|----------------------------------------------------------------------------------------------------------|
| NET | (2) 4-pin 3.5 mm detachable terminal blocks, paralleled;<br>Cresnet® secondary port<br>24VDC power input |
|-----|----------------------------------------------------------------------------------------------------------|

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|                 |                                                                                                                                                                                                                                                                                                                                              |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OVERRIDE</b> | (2) 2-pin 3.5 mm detachable terminal blocks, paralleled;<br>Sensing input for external low-voltage contact closure;<br>Activates override mode when a closure is present;<br>Minimum Closure Rating: 10mA (per module) at 24V                                                                                                                |
| <b>IN 1</b>     | (1) set of (2) captive screw terminals;<br>Power input and power passthrough to <b>OUTPUT-1</b> ;<br>Use a 12-24VDC, 5A max (60-100W max) Class 2 power supply ( <a href="#">DIN-PWS60</a> , not included);<br>Ensure proper polarity;<br>Wire Size: 18-12 AWG                                                                               |
| <b>IN 2</b>     | (1) set of (2) captive screw terminals;<br>Power input and power passthrough to <b>OUTPUT-2</b> ;<br>Use a 12-24VDC, 5A max (60-100W max) Class 2 power supply ( <a href="#">DIN-PWS60</a> , not included);<br>Ensure proper polarity;<br>Wire Size: 18-12 AWG                                                                               |
| <b>OUTPUT-1</b> | (1) set of (8) captive screw terminals;<br>R+, G+, B+, and W+ terminals are pass-through power from <b>IN 1 +</b> ;<br>R1, G2, B3, and W4 are PWM dimming control for the R, G, B, and W channels;<br>Wiring from <b>OUTPUT-1</b> must remain separate from <b>OUTPUT-2</b> ;<br>Wire Size: 18-14 AWG;<br>Maximum Wire Length: 100 ft (30 m) |
| <b>OUTPUT-2</b> | (1) set of (8) captive screw terminals;<br>R+, G+, B+, and W+ terminals are pass-through power from <b>IN 2 +</b> ;<br>R5, G6, B7, and W8 are PWM dimming control for the R, G, B, and W channels;<br>Wiring from <b>OUTPUT-2</b> must remain separate from <b>OUTPUT-1</b> ;<br>Wire Size: 18-14 AWG;<br>Maximum Wire Length: 100 ft (30 m) |

### Controls and Indicators

|              |                                                                                                            |
|--------------|------------------------------------------------------------------------------------------------------------|
| <b>SETUP</b> | (1) Red LED and (1) recessed miniature pushbutton;<br>For enabling setup mode and Touch-Settable ID (TSID) |
| <b>OVR</b>   | (1) Red LED;<br>Indicates unit is in override mode                                                         |
| <b>PWR</b>   | (1) Green LED;<br>Indicates DC power is applied to the <b>NET</b> port                                     |

|                 |                                                                                                                                                                   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NET</b>      | (1) Yellow LED;<br>Indicates communication with the control processor                                                                                             |
| <b>RESET</b>    | (1) Recessed miniature pushbutton;<br>Resets internal processor                                                                                                   |
| <b>OUTPUT-1</b> | (4) Red LEDs and (4) miniature pushbuttons, (1) per R, G, B, W channel;<br>LED lights to indicate that the channel is on;<br>All LEDs light when in override mode |
| <b>OUTPUT-2</b> | (4) Red LEDs and (4) miniature pushbuttons, (1) per R, G, B, W channel;<br>LED lights to indicate that the channel is on;<br>All LEDs light when in override mode |

### Environmental

|                         |                               |
|-------------------------|-------------------------------|
| <b>Temperature</b>      | 32° to 104°F (0° to 40°C)     |
| <b>Humidity</b>         | 10% to 90% RH (noncondensing) |
| <b>Heat Dissipation</b> | 6.8 BTU/hr                    |

### Construction

|                  |                                                                                                                                          |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Enclosure</b> | Light gray polycarbonate housing with polycarbonate label overlay, UL94 V-0 rated                                                        |
| <b>Mounting</b>  | 35 mm DIN EN 60715 rail mount, DIN 43880 form factor for enclosures with 45 mm front panel cutout, occupies 6 DIN module spaces (108 mm) |

### Dimensions

|               |                   |
|---------------|-------------------|
| <b>Height</b> | 3.67 in. (94 mm)  |
| <b>Width</b>  | 4.24 in. (108 mm) |
| <b>Depth</b>  | 2.34 in. (59 mm)  |

### Weight

6.4 oz (181 g)

### Compliance

**Regulatory Model:** M201903002

CE, ETL Recognized Component, FCC Part 15 Class B, CAN ICES-3 (B)/NMB-3(B)

### Model

**DIN-2LEDPWM8**

2 Channel RGBW LED Dimmer, DIN Rail Mount

### Available Accessories

For a list of available accessories, visit the [DIN-2LEDPWM8](#) product page.

# DIN-2LEDPWM8

## 2 Channel RGBW LED Dimmer, DIN Rail Mount

This product may be purchased from select authorized Crestron dealers and distributors. To find a dealer or distributor, please contact the Crestron sales representative for your area. A list of sales representatives is available online at [www.crestron.com/How-To-Buy/Find-a-Representative](http://www.crestron.com/How-To-Buy/Find-a-Representative) or contact us for additional information by visiting [www.crestron.com/contact/our-locations](http://www.crestron.com/contact/our-locations) for your local contact.

The original language version of this document is U.S. English.  
All other languages are a translation of the original document.

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