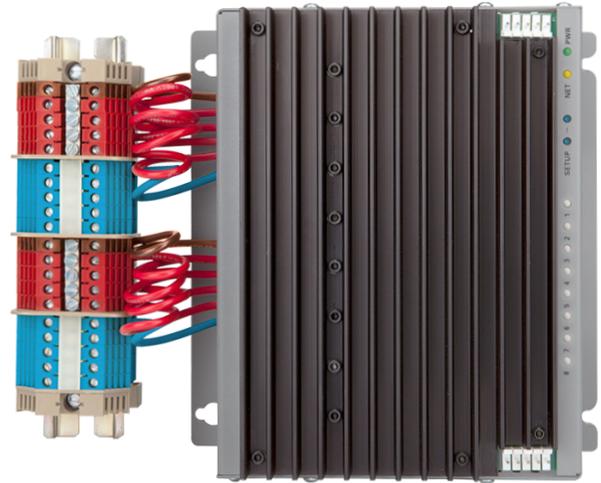


# CLXI-2DIMU8

## 8 Channel Universal Dimmer Module, 2 Feeds, 230V

- > 8 channels of dimming for both forward- and reverse-phase modes
- > Two independent 4 channel dimmers in a single module
- > Constant Power dimming technology and zero-cross filtering to reduce lamp flickering
- > Auto-load detection mode
- > Custom dimming curve creatable in Crestron Toolbox™
- > Extreme stability in noisy environments
- > Dual or single 230 Volt feed
- > Air-gap relays on every channel output
- > Override preset capability
- > Convection cooled
- > Occupies 1 module space in a CAEN or CAENIB automation enclosure
- > Easy termination using a CLTI-2DIMU8 terminal block



Shown with CLTI series terminal block (sold separately) positioned on left side.

The CLXI-2DIMU8 lighting control module provides 8 channels of technologically advanced universal dimming for 230 Volt LED, incandescent, magnetic low-voltage, electronic low-voltage, and 2-wire dimmable fluorescent lighting loads. With unparalleled Constant Power dimming technology, this universal dimmer automatically selects forward- or reverse-phase control based on each channel's load when in Auto-Load Detection mode. The CLXI-2DIMU8 is composed of two independent 4-channel dimmers; each channel is rated for 2.5 Amps (575 Watts), with a total module rating of 20 Amps (4600 Watts) when fed from two separate feeds. This unit automatically protects itself from overcurrent, over voltage, and over temperature for a long and reliable lifespan. Air-gap relays on every channel output allow individual circuits to be serviced without disabling the entire module.

### Flexible Lighting System Designs

Crestron's CLXI-2DIMU8 Universal Dimmer Module eliminates the need to specify different dimmers for different fixtures and loads, offering unparalleled flexibility when designing lighting systems. This means less wiring, fewer components, and less time testing and commissioning lighting systems. Utilize [Crestron Toolbox™](#) to create custom dimming curves for a smooth dimming experience in any space.

### Reliable Performance

The patent-pending, innovative Constant Power technology effectively reduces flicker and provides extreme stability in noisy environments. This cutting-edge technology quickly adjusts the CLXI-2DIMU8 dimmer's on-time response to changes in input voltage so that power is constantly and consistently delivered to the load. Voltage sag and peak overshoot no longer cause changes in load output, ensuring reliable lighting performance. To further reduce lamp flicker, the CLXI-2DIMU8 features Crestron's proprietary zero-cross filter technology for superior immunity to noise on the power line. Low-maintenance convection cooling on the

CLXI-2DIMU8 ensures quiet and trouble-free operation. This technologically advanced universal dimmer offers unparalleled reliability and is the perfect solution for noisy environments that require optimal dimming performance.

### Auto-Load Detection

Each channel of the CLXI-2DIMU8 is capable of automatically detecting the dimmable load type connected to it and selecting the appropriate operating mode to control that load. Reverse-phase (trailing edge) mode supports incandescent and electronic low-voltage load types while forward-phase (leading edge) mode handles magnetic low-voltage, neon, and other inductive load types.

### Override Feature

An override feature allows each channel to be adjusted to a preset state during setup. In the event that Cresnet® communications should be disrupted for any reason, a simple contact closure can be used to activate the override presets.

### CAEN Installation

Populate Crestron [CAEN](#) and [CAENIB](#) cabinets with multiple Universal Dimmer Modules to accommodate 230 Volt applications of any size. The CLXI-2DIMU8 occupies a single module space in any CAEN or CAENIB automation enclosure. Termination of high-voltage wiring to the module is facilitated by a [CLTI-2DIMU8](#) terminal block, which is sold separately to enable termination of the dimmer's wiring any time prior to installing the module. The CLXI-2DIMU8 can be controlled by a control system via the Cresnet network. A 5-wire link provides bussing of the Cresnet and override signals between modules within an enclosure (interconnect jumpers included).

# CLXI-2DIMU8 8 Channel Universal Dimmer Module, 2 Feeds, 230V

## SPECIFICATIONS

### Load Ratings

**Dimmer Channels:** 8  
**Per Channel:** 2.5 Amps (575 Watts)  
**Per Group:** Channels 1-4: 10 Amps (2300 Watts)  
Channels 5-8: 10 Amps (2300 Watts)  
**Module Total:** 20 Amps (4600 Watts)<sup>[1]</sup>  
**Minimum Load:** 0 Watts  
**Load Types:** LED, incandescent, magnetic low voltage, electronic low voltage, 2-wire fluorescent, & non-dimmable lighting  
**Dimming Modes:** Auto-load detection, Forced reverse-phase, Forced forward-phase

### Power Requirements

One or two feeds (may be same or different phases);  
230 Volts AC, 50/60 Hz, single-phase, 10 Amps maximum per feed

### Connectors on Module

**Module Interconnect:** (2) 5-pin 0.156 inch headers;  
Cresnet/Override interconnect ports;  
Each connects to a CAEN-BLOCK or the adjacent CLXI-Series module using the interconnect cable provided

### Connections via CLTI Terminal Block (sold separately)

**LINE 1 – 2:** (2) DIN rail terminal blocks, brown, line power inputs  
**DIM 1 – 8:** (8) DIN rail terminal blocks, red, channel outputs  
**N IN 1 – 2:** (2) DIN rail terminal blocks, blue, line input neutrals  
**N OUT 1 – 8:** (8) DIN rail terminal blocks, blue, channel output neutrals

### Buttons

**SETUP:** (1) Pushbutton, for Local mode / channel activation and touch-settable ID (TSID)  
**MODE (not labeled):** (1) Pushbutton, for dimming mode selection when in Local mode

### Indicators

**PWR:** (1) Green LED, indicates line power is applied to the LINE 1 terminal  
**NET:** (1) Yellow LED, indicates communication with the control system  
**1 – 8:** (8) Tri-color LEDs, each indicates the dimming mode and operational state of the corresponding channel

### Environmental

**Temperature:** 32° to 104° F (0° to 40° C)  
**Humidity:** 10% to 90% RH (non-condensing)  
**Heat Dissipation:** 12 BTU/hr + (3.8 BTU/hr x Load Current in Amps);  
88 BTU/hr at maximum load

### Enclosure

Gray metal with black heat sink, surface mount module with (2) integral mounting flanges;  
Occupies 1 module space in a CAEN or CAENIB enclosure

### Dimensions

**Height:** 7.59 in (193 mm)  
**Width:** 6.92 in (176 mm)  
**Depth:** 3.43 in (87 mm)

### Weight

3.5 lb (1.6 kg)

### Standards & Certifications

UL Listed, CAN ICES-3(A)/NMB-3(A), FCC Part 15

## MODELS & ACCESSORIES

### Available Models

**CLXI-2DIMU8:** 8 Channel Universal Dimmer Module, 2 Feeds, 230V

### Available Accessories

**CLTI-2DIMU8:** Terminal Block for CLXI-2DIMU8  
**CAEN:** Automation Enclosures  
**CAENIB:** Automation Enclosures – International Versions, 230V

Notes:

1. When connecting to a third-party arc fault breaker, the total load should not exceed 1,000 Watts per feed.

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at [www.crestron.com/salesreps](http://www.crestron.com/salesreps) or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at: [patents.crestron.com](http://patents.crestron.com).

Certain Crestron products contain open source software. For specific information, please visit [www.crestron.com/opensource](http://www.crestron.com/opensource).

Crestron, the Crestron logo, Cresnet, and Crestron Toolbox are either trademarks or registered trademarks of Crestron Electronics, Inc. in the United States and/or other countries. Other trademarks, registered trademarks, and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Crestron disclaims any proprietary interest in the marks and names of others. Crestron is not responsible for errors in typography or photography. Specifications are subject to change without notice.  
©2017 Crestron Electronics, Inc.