

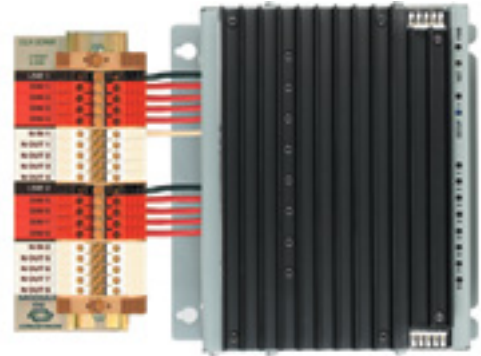


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CLXI-2DIM8

2 Feed, 8 Channel Dimmer Module - International Version

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US VERSION CLX-2DIM8 SHOWN WITH CLT-2DIM8 TERMINATION BLOCK

Product Description

As part of a complete Crestron lighting system, the CLXI-2DIM8 lighting control module provides 8 channels of dimming for 230V incandescent, magnetic low-voltage, neon/cold cathode, and dimmable 2-wire fluorescent loads. The CLXI-2DIM8 is actually composed of two independent 4 channel dimmers in a single module. Each channel is rated for 2300 Watts, with a total module rating of 5980 Watts when fed from two separate 16 Amp feeds. Air-gap relays are provided on every channel output allowing individual circuits to be serviced without disabling the entire module.

CLXI-Series dimmers are rigorously built using 40 Amp triacs and oversized heat sinks for ultimate reliability. Split-bobbin transformers and ground referenced electronics deliver superior performance. Lamp flicker is minimized through Crestron's innovative zero-crossing detection technique backed by proprietary firmware. Low-maintenance convection cooling assures quiet and trouble-free operation.

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 contact closure can be used to activate all system channel presets on a global or semi-global basis.

The CLXI-2DIM8 occupies a single module space in any **CAEN** automation enclosure. Termination of high-voltage wiring to the module is facilitated by a **CLTI-2DIM8** terminal block (sold separately). All CLXI modules are controlled by the **PAC2** professional automation 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).

Product Resources

[Manual \(PDF\)](#)

[Cad Files \(ZIP\)](#)

Technical Specifications

Load Ratings

| | |
|---------------------|--|
| Per Channel | 10 Amps (2300 Watts) |
| Per Group | Channels 1-4: 13 Amps (2990 Watts); Channels 5-6: 13 Amps (2990 Watts) |
| Module Total | 26 Amps (5980 Watts) |
| Load Types | Incandescent, Magnetic Low-voltage, Neon/Cold Cathode, Dimmable 2-Wire Fluorescent |

Power Requirements

2X 16 Amps @ 230 Volts AC, 50Hz, single-phase;
Feeds must be same phase or split phase

Connectors on Module

| | |
|----------------------------|---|
| Module Interconnect | (2) 5-pin 0.156 inch headers; (2) Cresnet/Override interconnect ports; Connect to PAC2 , CAEN-BLOCK , or adjacent CLX-Series module using interconnect cable provided |
|----------------------------|---|

Connections via CLT Terminal Block (sold separately)

| | |
|--------------------|--|
| LINE 1 - 2 | (2) DIN rail terminal blocks, black; Line inputs from 16A feed(s); Must be same phase or split phase |
| DIM 1 - 8 | (8) DIN rail terminal blocks, red; Channel outputs 1-8 |
| N IN 1 - 2 | (2) DIN rail terminal blocks, white; Line input neutrals |
| N OUT 1 - 8 | (8) DIN rail terminal blocks, white; Channel output neutrals 1-8 |

Buttons

| | |
|--------------|---|
| SETUP | Used for manual channel activation and TSID |
|--------------|---|

LED Indicators

| | |
|--------------|---|
| PWR | (green) Indicates 230V AC power is applied to the LINE terminal |
| NET | (yellow) Indicates communication with the control system |
| 1 – 8 | (8x red) Indicates state of each channel |
| SETUP | (red) Indicates unit is in setup/manual mode |

Environmental

| | |
|--------------------|--------------------------------|
| Temperature | 32° to 104°F (0° to 40°C) |
| Humidity | 10% to 90% RH (non-condensing) |

Enclosure

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

Dimensions

| | |
|---------------|---------------------|
| Height | 7.375 in (18.73 cm) |
| Width | 6.875 in (17.46 cm) |
| Depth | 3.0 in (7.62 cm) |

Weight

3.00 lb (1.36 kg)

REQUIRED ACCESSORIES

| | |
|-------------------|-----------------------|
| CAEN | Automation Enclosures |
| CLTI-2DIM8 | Terminal Block |

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