

CLX-2DIM8

8 Channel Dimmer Module, 2 Feeds

- > 8 channels of dimming for incandescent, magnetic low-voltage, neon/cold cathode, and dimmable 2-wire fluorescent loads
- > Two independent 4 channel dimmers in a single module
- > Dual or single 120 Volt feed
- > Air-gap relays on every channel output
- > Override preset capability
- > Convection cooled
- > Occupies 1 module space in a CAEN or CAEN-MLO automation enclosure
- > Easy termination using CLT-Series terminal block
- > CEC Title 24 2013 Compliant

As part of a complete Crestron® lighting system, the CLX-2DIM8 lighting control module provides 8 channels of dimming for incandescent, magnetic low-voltage, neon/cold cathode, and dimmable 2-wire fluorescent loads. The CLX-2DIM8 is actually composed of two independent 4 channel dimmers in a single module. Each channel is rated for 1920 Watts, with a total module rating of 3840 Watts when fed from two separate 20 Amp feeds. Air-gap relays are provided on every channel output allowing individual circuits to be serviced without disabling the entire module.

CLX-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.

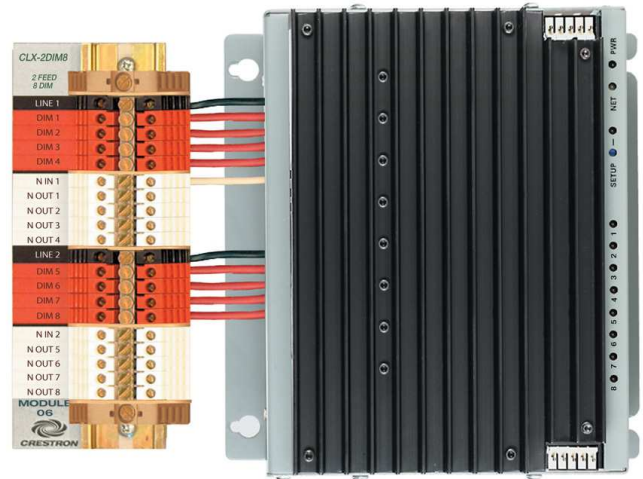
An override feature allows each channel to be adjusted to a preset state during setup. In the event that Cresnet® communications should be disrupted for any reason, a simple contact closure can be used to activate the override presets on a global or semi-global basis.

The CLX-2DIM8 occupies a single module space in any CAEN or CAEN-MLO automation enclosure. Termination of high-voltage wiring to the module is facilitated by a CLT-2DIM8 terminal block, sold separately to enable termination of the wiring any time prior to installing the module. CLX modules are controlled by the DIN-AP3 and other 3-Series® control systems via the Cresnet network. A 5-wire link provides bussing of the Cresnet and override signals between modules within an enclosure (interconnect jumpers included).

SPECIFICATIONS

Load Ratings

Dimmer Channels: 8
Per Channel: 16 Amps (1920 Watts)
Per Group: Channels 1-4: 16 Amps (1920 Watts);
Channels 5-8: 16 Amps (1920 Watts)
Module Total: 32 Amps (3840 Watts)



Shown with CLT-2DIM8 Terminal Block

Minimum Load: 25 Watts

Load Types: Incandescent, Magnetic Low-voltage, Neon/Cold Cathode, Dimmable 2-Wire Fluorescent

Power Requirements

120 Volts AC, 50/60Hz, single-phase;
All feeds must be same phase or split phase

Connectors on Module

Module Interconnect: (2) 5-pin 0.156 inch headers;
Cresnet®/Override interconnect ports;
Connect to DIN-AP3, 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 power inputs;
Must be same phase or split phase
DIM 1 - 8: (8) DIN rail terminal blocks, red, channel outputs
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

Buttons

SETUP: Used for manual channel activation and TSID

LED Indicators

PWR: (green) Indicates line power is applied to the LINE terminal
NET: (yellow) Indicates communication with the control system
1 - 8: (red x8) Indicates state of each channel
SETUP: (red) Indicates unit is in setup/manual mode

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Environmental

Temperature: 32° to 104°F (0° to 40°C)

Humidity: 10% to 90% RH (non-condensing)

Heat Dissipation: 26 BTU/Hr + (4.7 BTU/Hr x Load Current in Amps), 176 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 any CAEN or CAEN-MLO enclosure

Dimensions

Height: 7.59 in (19.27 cm)

Width: 6.92 in (17.57 cm)

Depth: 3.43 in (8.70 cm)

Weight

4.50 lb (2.04 kg)

Standards & Certifications

UL Listed, CEC Title 24 2013 Compliant

MODELS & ACCESSORIES

Available Models

CLX-2DIM8: 8 Channel Dimmer Module, 2 Feeds.

Available Accessories

CAEN-2X1: Automation Enclosure, 2 modules high x 1 module wide

CAEN-4X1: Automation Enclosure, 4 modules high x 1 module wide

CAEN-4X2: Automation Enclosure, 4 modules high x 2 modules wide

CAEN-7X1: Automation Enclosure, 7 modules high x 1 module wide

CAEN-7X2: Automation Enclosure, 7 modules high x 2 modules wide

CAEN-3X1-MLO-120/2P: Automation Enclosure, 3 modules high x

1 module wide, 6 breaker slots, split phase

CAEN-5X1-MLO-120/2P: Automation Enclosure, 5 modules high x

1 module wide, 20 breaker slots, split phase

CAEN-5X1-MLO-120/3P: Automation Enclosure, 5 modules high x

1 module wide, 20 breaker slots, three phase

CAEN-5X2-MLO-120/2P: Automation Enclosure, 5 modules high x

2 modules wide, 20 breaker slots, split phase

CAEN-5X2-MLO-120/3P: Automation Enclosure, 5 modules high x

2 modules wide, 20 breaker slots, three phase

CLT-2DIM8: Terminal Block

CLX-2IND: 2 Channel Inductor Module

CLX-4IND: 4 Channel Inductor Module

Notes:

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 or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at: patents.crestron.com.

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