

Crestron 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 automation enclosure
- > Easy termination using CLT-Series terminal block

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 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 anytime prior to installing the module. CLX modules are controlled by the PAC2 and PAC2M professional automation 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)

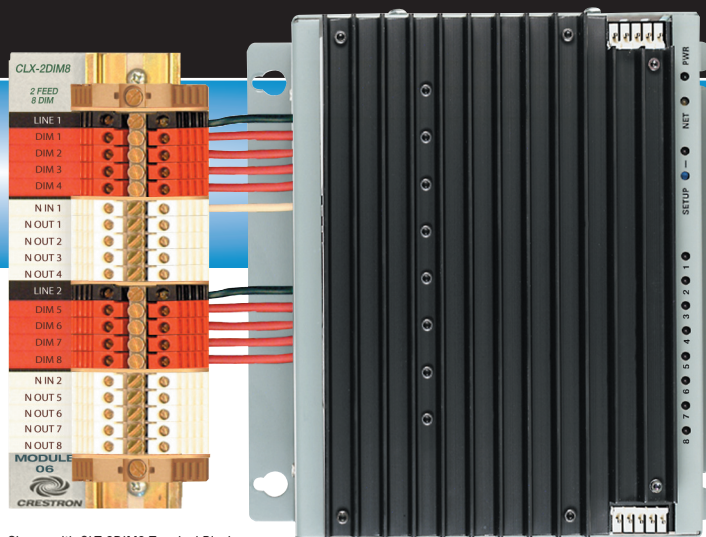
Module Total: 32 Amps (3840 Watts)

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

Power Requirements

120 Volts AC, 60Hz, single-phase

All feeds must be same phase or split phase



Shown with CLT-2DIM8 Terminal Block

Connections on module

Module Interconnect: (2) 5-pin 0.156 inch headers, Cresnet/Override interconnect ports
Connect to PAC2, PAC2M, 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

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 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)

AVAILABLE ACCESSORIES

CAEN Automation Enclosures

CLT-2DIM8 Terminal Block

CLX-2IND 2 Channel Inductor Module

CLX-4IND 4 Channel Inductor Module



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