

CLX-1DIM8

8 Channel Dimmer Module, Single Feed

- > 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-1DIM8 lighting control module provides 8 channels of dimming for incandescent, magnetic low-voltage, neon/cold cathode, and dimmable 2-wire fluorescent loads. Each channel is rated for 1920 Watts, with a total module rating of 1920 Watts. 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.

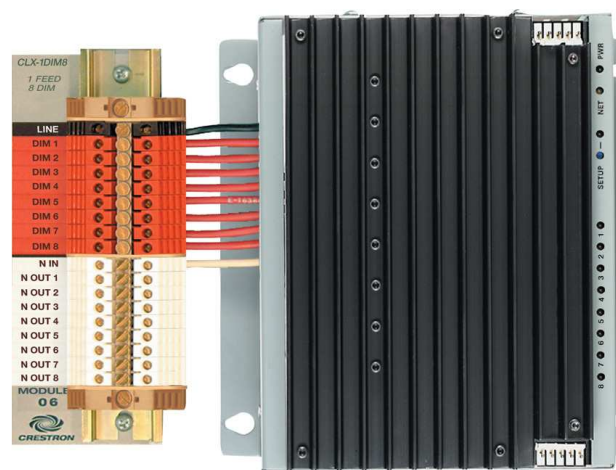
An override feature allows each channel to be adjusted to a preset state during setup. In the event that Cresnet® communications should be disrupted for any reason, a simple contact closure can be used to activate the override presets on a global or semi-global basis.

The CLX-1DIM8 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-1DIM8](#) 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)
Module Total: 16 Amps (1920 Watts)
Minimum Load: 25 Watts
Load Types: Incandescent, Magnetic Low-voltage, Neon/Cold Cathode, Dimmable 2-Wire Fluorescent



Shown with CLT-1DIM8 Terminal Block

Power Requirements

120 Volts AC, 50/60Hz, single-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) DIN rail terminal block, black, line power input
DIM 1 - 8: (8) DIN rail terminal blocks, red, channel outputs
N IN: (1) DIN rail terminal block, white, line input neutral
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), 101 BTU/Hr at maximum load

CLX-1DIM8 8 Channel Dimmer Module, Single Feed

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

5.00 lb (2.27 kg)

Standards & Certifications

UL Listed, CEC Title 24 2013 Compliant

ron 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. ©2014 Crestron Electronics, Inc.

MODELS & ACCESSORIES

Available Models

CLX-1DIM8: 8 Channel Dimmer Module, Single Feed

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-1DIM8: 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.

Crestron, the Crestron logo, and 3-Series are either trademarks or registered trademarks of Crest-

CLX-1DIM8 8 Channel Dimmer Module, Single Feed

