

# Crestron CLX-1DIM4

## 4 Channel Dimmer Module, Single Feed

- > 4 channels of dimming for incandescent, magnetic low-voltage, neon/cold cathode, and dimmable 2-wire fluorescent loads
- > 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-1DIM4 lighting control module provides 4 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-1DIM4 occupies a single module space in any CAEN automation enclosure. Termination of high-voltage wiring to the module is facilitated by a CLT-1DIM4 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

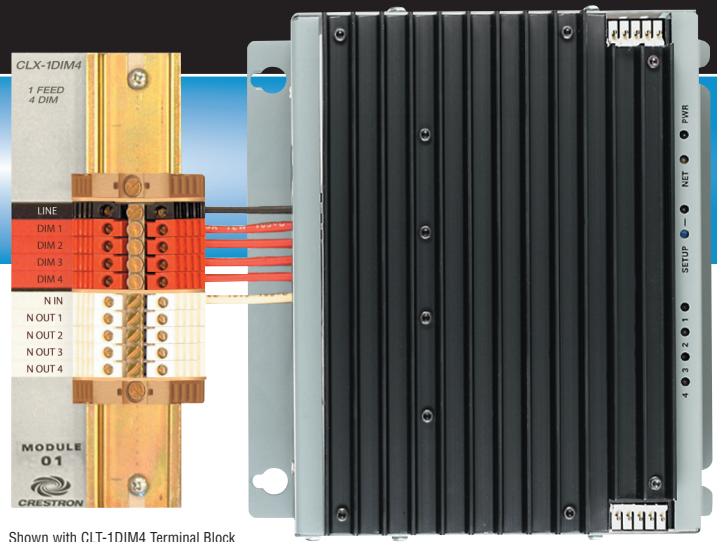
**Dimmer Channels:** 4  
**Per Channel:** 16 Amps (1920 Watts)  
**Module Total:** 16 Amps (1920 Watts)  
**Load Types:** Incandescent, Magnetic Low-voltage, Neon/Cold Cathode, Dimmable 2-Wire Fluorescent

#### Power Requirements

120 Volts AC, 60Hz, single-phase

#### 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



Shown with CLT-1DIM4 Terminal Block

#### Connections via CLT terminal block (sold separately)

- LINE:** (1) DIN rail terminal block, black, line power input  
**DIM 1 - 4:** (4) DIN rail terminal blocks, red, channel outputs  
**N IN:** (1) DIN rail terminal block, white, line input neutral  
**N OUT 1 - 4:** (4) 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 - 4:** (red x4) 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:** 23 BTU/Hr + (4.7 BTU/Hr x Load Current in Amps), 98 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

3.00 lb (1.36 kg)

### AVAILABLE ACCESSORIES

- CAEN Automation Enclosures
- CLT-1DIM4 Terminal Block
- CLX-2IND 2 Channel Inductor Module
- CLX-4IND 4 Channel Inductor Module



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