

Crestron CNLDM-6

6 Channel Dimmer Module



The CNLDM-6 dimmer module provides 6 independent channels of dimming for incandescent, magnetic low-voltage, forward phase electronic low voltage, 2-wire fluorescent, and neon/cold cathode loads. Each channel can also be configured for switched-only control of non-dimmable loads. Three CNLDM-6 models are available to support 120, 220, or 277 Volt AC applications.

The CNLDM-6 occupies a single module space in any CSTC cabinet. The unit is designed to communicate with the PAC2 or any other 2-Series control system via the Cresnet control network. Simplified termination of all high-voltage wiring to the module is provided via captive screw terminals.

Designed for continuous operation, each of the module's six dimmer channels is controlled by dual back-to-back SCR's rated at 40 Amps, insuring the highest degree of reliability. Lamp filament buzz and EMI/RFI emissions are minimized through high-performance toroid inductors potted in thermally conductive epoxy on each channel. Low-maintenance convection cooling assures quiet and trouble-free operation.

- > 6 channels of dimming
- > For incandescent, magnetic low-voltage, 2-wire fluorescent, forward-phase electronic low voltage, and neon/cold cathode
- > Switch control of non-dimmable loads
- > Available for 120, 220, or 277 Volt AC
- > High-reliability convection-cooled design
- > Toroid inductors on every channel output
- > Occupies 1 module space in a CSTC lighting cabinet
- > Controlled by PAC2 or PAC2M automation control system

AVAILABLE MODELS

CNLDM-6 6 Channel Dimmer Module, 120V

CNLDM-6 220V 6 Channel Dimmer Module, 220V

CNLDM-6 277V 6 Channel Dimmer Module, 277V

SPECIFICATIONS

Load Ratings

Dimmer Channels: 6
Per Channel: 16 Amps
Module Total: 96 Amps
Load Types: Incandescent, Non-Dimmable Fluorescent, 2-Wire Dimmable Fluorescent, Neon/Cold Cathode, Magnetic Low Voltage, Forward Phase Electronic Low Voltage

Power Requirements

Line Power: 120, 220 or 277 Volts AC, 50-60Hz, single-phase, all feeds must be same phase
Cresnet Power Usage: 1 Watt (0.042 Amp @ 24 Volts DC)

Connectors

NET: (1) 4-pin 5mm detachable terminal block, Cresnet slave port
Connects to Cresnet control network

LINE 1 - 6: (6) Captive screw terminals, line power inputs

LOAD 1 - 6: (6) Captive screw terminals, channel outputs

NEUT: (1) Captive screw terminal, neutral

Controls

ID CODE: (2) Rotary DIP Switches, set Cresnet ID

DIM/NON-DIM: (1) 6-position DIP switch, selects configuration for each channel

NORMAL/OVERRIDE: (1) Slide switch, OVERRIDE forces all channels to full on

LED Indicators

NET POWER: (green) Indicates DC power supplied from Cresnet network

ACTIVITY: (red) Indicates communication with Cresnet system

OUTPUTS 1 - 6: Indicate state of each channel

Environmental

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

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

Heat Dissipation: 925 BTU/Hour at maximum load

Enclosure

Gray metal surface mount module, convection cooled

Occupies 1 module space in any CSTC cabinet

Dimensions

Height: 14.50 in (36.83 cm)

Width: 6.00 in (15.27 cm)

Depth: 7.07 in (17.94 cm)

Weight

12.0 lb (5.44 kg)