

Crestron CNLFDB-4

4 Channel Fluorescent Dimming Module, 3-Wire Electronic

The CNLFDB-4 dimming module provides 4 channels of dimming for fluorescent lighting fixtures equipped with Lutron® Hi-lume® or Eco-10™ three-wire electronic fluorescent dimming ballasts. The CNLFDB-4 occupies a single module space in any CSTC cabinet, or two spaces in a CLC-6 cabinet. The unit is designed to communicate with the PAC2 control system, or any Crestron control system, via the Cresnet control network.

- > 4 channels of phase-controlled dimming for Lutron Hi-lume FDB or Eco-10 ECO three-wire electronic type fluorescent ballasts
- > Switch control of non-dimmable loads
- > Available for 120 or 277 Volt AC
- > Occupies 1 module space in a CSTC lighting cabinet
- > Controlled by PAC2 or PAC2M automation control system

AVAILABLE MODELS

CNLFDB-4 4 Channel Fluorescent Dimmer, 3-Wire Electronic, 120V

CNLFDB-4/277 4 Channel Fluorescent Dimmer, 3-Wire Electronic, 277V

SPECIFICATIONS

Load Ratings

Dimmer Channels: 4

Per Channel: 16 Amps

Module Total: 64 Amps

Load Types: Hi-lume FDB or Eco-10 ECO 3-wire electronic fluorescent dimming ballasts

Load Control: Phase-controlled dimming signal plus air-gap relay

Relay Rating: 20 Amp at 277 Volts AC, 1HP at 125 Volts AC

Power Requirements

Line Power: 120 or 277 Volts AC, 60Hz, single-phase, all feeds must be same phase

Cresnet Power Usage: 4 Watts (0.17 Amp @ 24 Volts DC)

Connectors

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

L-IN 1 - 4: (4) Captive screw terminals, line power inputs

L-OUT 1 - 4: (4) Captive screw terminals, switch outputs

DIM 1 - 4: (4) Captive screw terminals, dimmer outputs

NEUT: (1) Captive screw terminal, neutral



Controls

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

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

LED Indicators

NET POWER: Indicates DC power supplied from Cresnet network

ACTIVITY: Indicates communication with Cresnet system

Channels 1 - 4: Indicate each relay is energized

Environmental

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

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

Heat Dissipation: 17 BTU/Hr + (0.3 BTU/Hr x Load Current in Amps) + (0.02 per ballast), 40 BTU/Hr at maximum load

Enclosure

Occupies 2 module spaces in a CLC-6 cabinet (order optional MTPL-02074-1 space plate)

Occupies 1 module space in a CSTC cabinet

Weight

3.5 lbs (1.59 kg)