

# 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)

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