

# Crestron CNLDAB-4A

## 4 Channel Fluorescent Dimming Module, 4-Wire 0-10V

The CNLDAB-4A dimming module provides 4 channels of dimming for fluorescent lighting fixtures equipped with Advance Mark 7® 0-10V fluorescent dimming ballasts. The CNLDAB-4A 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 0-10V dimming for Advance Mark 7 4-wire type fluorescent ballasts
- > Relay switch control of non-dimmable loads
- > Suitable for 120 or 277 Volt AC
- > Occupies 1 module space in a CSTC lighting cabinet
- > Controlled by PAC2 or PAC2M automation control system

### SPECIFICATIONS

#### Load Ratings

**Dimmer Channels:** 4  
**Per Channel:** 16 Amps  
**Module Total:** 64 Amps  
**Load Types:** 120V or 277V Advance Mark 7 0-10V 4-wire fluorescent dimming ballasts  
**Load Control:** Analog 0-10 Volts DC dimming signal plus air-gap relay  
**Relay Rating:** 20 Amp at 277 Volts AC, 1HP at 125 Volts AC  
May not be compatible with some high inrush current loads

#### Power Requirements

**Line Power:** 120 or 277 Volts AC, 50-60Hz  
**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

**BYPASS SW. INPUT:** (1) 2-pin 5mm detachable terminal block  
Accepts dry contact closure input to engage bypass mode

**ANALOG CONTROL:** (1) 5-pin 5mm detachable terminal block  
Class 2 dimming control outputs 1-4  
Control Voltage: 0-10 Volts DC, 39 mV resolution  
Each output sinks to 26 mA

**CIRCUITS #1 - 4:** (4) 2-position captive screw terminals  
Isolated Class 1 SPST relay switch circuits



#### Controls

**CHNL BYPS:** (1) 4-position DIP switch, selects which channels get activated in bypass mode  
**NORMAL/ALL OVERRIDE:** (1) Slide switch, ALL OVERRIDE forces all channels to full on  
**ID CODE:** (2) Rotary DIP Switches, set Cresnet ID

#### LED Indicators

**NET POWER:** (green) Indicates DC power supplied from Cresnet network  
**ID SELECT:** (red) Indicates communication with Cresnet system  
**CIRCUITS #1 - 4:** (red x4) Indicate when each relay is closed

#### Environmental

**Temperature:** 32° to 104°F (0° to 40°C)  
**Humidity:** 10% to 90% RH (non-condensing)

#### 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)