

# DIN-4DIMFLV4

## DIN Rail 0-10V Fluorescent Dimmer

The DIN-4DIMFLV4 is a 4-channel lighting control module designed to support dimming of 4-wire 0-10 Volt fluorescent dimming ballasts. A single model supports both 120 and 220-240 Volt applications. Each channel handles up to 30 dimmable ballasts, and may also be used for switching of non-dimmable lighting loads up to 5 amps\*, as well as 1/2 HP motors.

### Override Input

An override input is provided to allow an external contact closure to momentarily override the control system program and set each channel output to its override preset level. Levels can be adjusted and saved locally from the front panel, or remotely via software.

### DIN Rail Installation

The DIN-4DIMFLV4 is designed to snap onto a standard DIN rail for installation in a wall mount enclosure. Wiring connections are made using screw terminals positioned along the top and bottom, clearly accessible from the front for easy installation and servicing. All setup controls and indicators are positioned on the center front panel. When installed in an enclosure utilizing 45 mm cutouts, the DIN-4DIMFLV4's front panel stays accessible while the connections are concealed.

### Cresnet®

The DIN-4DIMFLV4 communicates with a **DIN-AP2** 2-Series Automation Processor, or other Crestron 2-Series control system, via the Cresnet control network. A pair of Cresnet ports is provided on the DIN-4DIMFLV4 allowing for easy daisy-chaining of several DIN Rail Series automation control modules.

> 4 channels of 4-wire 0-10 Volt fluorescent dimming

> Supports 120 to 240 Volt 50/60 Hz

> Also allows switching of lighting and exhaust fans\*

> Override input

> Cresnet communications

> Setup via front panel or software

> Programmable functionality via DIN-AP2

> 9M wide DIN rail mounting

## SPECIFICATIONS

### Load Ratings

**Dimmer Channels:** 4

**Maximum Per Channel:** 5 Amps @ 120 to 240 Volts AC, 50/60 Hz;

600 Watts @ 120 Volts AC;

1150 Watts @ 230 Volts AC;

1200 Watts @ 240 Volts AC, 0.5 HP

**Module Total:** 20 Amps @ 120 to 240 Volts AC, 50/60 Hz;

2400 Watts @ 120 Volts AC;

4600 Watts @ 230 Volts AC;

4800 Watts @ 240 Volts AC

**Dim Load Types:** 4-Wire 0-10V Fluorescent Dimming Ballasts (30 maximum)

**Switch Load Types\*:** Incandescent, Magnetic Low-voltage, Electronic Low-voltage, Neon/Cold Cathode, Fluorescent, Motors



### Connections

**OUTPUT 1 - 4:** (2) 4-pin 3.5mm detachable terminal blocks comprising (4) isolated dimming control outputs;

Voltage Control Range: 0 to 10 Volts DC;

Maximum Sink Current: 60mA per channel;

Output Resolution: 1024 levels (10 bit)

**1 - 4:** (4) sets of (2) captive screw terminals;

Isolated Class 1 SPST relay switch circuits 1 - 4;

Relay Rating: 5 Amps maximum per channel;

Maximum Wire Size: 12 AWG (2.5 mm<sup>2</sup>)

**NET:** (2) 4-pin 3.5mm detachable terminal blocks, paralleled;

Cresnet slave port

**OVERRIDE:** (2) 2-pin 3.5mm detachable terminal blocks, paralleled;

Sensing input for external low-voltage contact closure;

Activates override mode when a closure is present;

Minimum Closure Rating: 10mA (per module) at 24 Volts

### Controls & Indicators

**1 - 4:** (4) Red LEDs and (4) miniature pushbuttons for status indication and local control of each channel

**NET ID:** (2) 7-Segment green LED digits and (2) miniature pushbuttons for setting Cresnet ID; digits also display output levels

**SETUP:** (1) Red LED and (1) recessed miniature pushbutton for enabling setup mode and touch-settable ID

**OVR:** (1) Red LED and (1) miniature pushbutton for enabling override mode and saving override presets

**PWR:** (1) Green LED, illuminates when DC power is applied to the NET port

**NET:** (1) Yellow LED, indicates communication with the control processor

**RESET:** (1) Recessed miniature pushbutton, resets internal processor

### Enclosure

Light gray polycarbonate housing with polycarbonate label overlay, UL94 V-0 rated, 35mm DIN EN 60715 rail mount, DIN 43880 form factor for enclosures with 45mm front panel cutout, occupies 9 DIN module spaces (162mm)

### Power Requirements

**Cresnet Power Usage:** 4.2 Watts (0.18 Amps) @ 24 Volts DC

### Environmental

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

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

**Heat Dissipation:** 17 BTU/hr

### Dimensions

**Height:** 3.71 in (9.42 cm)

**Width:** 6.26 in (15.90 cm)

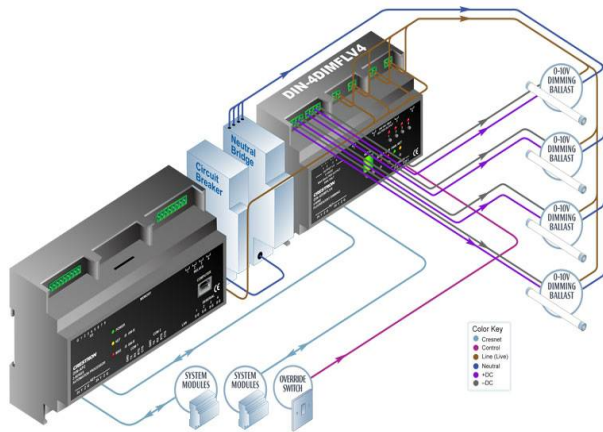
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## Weight

9.2 oz (260 g)

Typical DIN-4DIMFLV4 Application

### DIN-4DIMFLV4 Example Application



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