DIN-4DIMFLV4

4 Channel 0-10V Dimmer, 4 Feeds, DIN Rail Mount

- *4 channels of 0-10 Volt dimming control*
- *Supports 120V and 220 to 240V, 50/60 Hz applications*
- *Allows switching of lighting and exhaust fans[1]*
- *Includes an override input*
- *Communicates using Cresnet® network*
- *Sets up via the front panel or through software*
- *Offers programmable functionality via a Crestron control system*
- *Mounts on a 9M wide DIN rail*
- *CEC Title 24 2013 Compliant*

The DIN-4DIMFLV4 is a 4-channel lighting control module designed to dim 0-10V drivers and ballasts. A single model supports both 120V and 220-240V applications. The DIN-4DIMFLV4 may also be used for switching of non-dimmable lighting loads up to 5A[1] and 1/2 HP motors.

Override Input

Override inputs are 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 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 45mm cutouts, the DIN-4DIMFLV4's front panel stays accessible while the connections are concealed.

Cresnet Wired Network

The DIN-4DIMFLV4 communicates with a Crestron Control System using 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.

Specifications

Power

Cresnet Power Usage	4.2 W (0.18A) @ 24VDC

Load Ratings

Dimmer Channels	4
Maximum per Channel	5A @ 120 to 240VAC, 50/60 Hz; 600 W @ 120VAC; 1150 W @ 230VAC; 1200 W @ 240VAC, 0.5 HP; 16A Resistive
Module Total	20A @ 120 to 240VAC, 50/60 Hz; 2400 W @ 140VAC; 4600 W @ 230VAC; 4800 W @ 240 VAC
Dim Load Types	0-10V fluorescent ballast or LED driver (4-wire); Maximum of 30 dimmable ballasts/drivers
Switch Load Types[1]	Incandescent, magnetic low-voltage, electronic low voltage, neon/cold cathode, fluorescent, motors

Connectors

NET	(2) 4-pin 3.5 mm detachable terminal blocks, paralleled; Cresnet secondary port
OVERRIDE	(2) 2-pin 3.5 mm 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 24V
OUTPUT 1-4	(2) 4-pin 3.5 mm detachable terminal blocks comprising (4) isolated dimming control outputs; Voltage Control Range: 0 to 10VDC; 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: 5A maximum per channel; Maximum Wire Size: 12 AWG (2.5 mm²) |

Controls and Indicators

SETUP	(1) Red LED and (1) recessed miniature push button; For enabling setup mode and Touch-Settable ID (TSID)
OVR	(1) Red LED and (1) miniature push button; For enabling override mode and saving override presets
PWR	(1) Green LED; Indicates DC power is applied to the **NET** port
NET	(1) Yellow LED; Indicates communication with the control processor
RESET	(1) Recessed miniature push button; Resets internal processor
1-4	(4) Red LEDs and (4) miniature push buttons; For status indication and local control of each channel

Environmental

Temperature	32° to 104°F (0° to 40°C)
Humidity	10% to 90% RH (noncondensing)
Heat Dissipation	17 BTU/hr

Construction

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

Dimensions

Height	3.71 in. (95 mm)
Width	6.26 in. (159 mm)
Depth	2.35 in (60 mm)

Weight

9.2 oz (260 g)

Compliance

CE, CEC Title 24 2013 Compliant, FCC Part 15 Class B, IC Class B, UL® Listed for US and Canada

Model

DIN-4DIMFLV4
4 Channel 0-10V Dimmer, 4 Feeds, DIN Rail Mount

Available Accessories

For a list of available accessories, visit the DIN-4DIMFLV4 product page.

Note:

1. May not be compatible with some high inrush current loads

2.28 in.
(58 mm)

3.71 in.
(94 mm)

3.5 in.
(90 mm)

2.34 in.
(59 mm)

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1   2   3   4
OUTPUT 1-4
0-10VDC ISOLATED
60mA MAX/OUTPUT, SINK ONLY

NET ID

CRESTRON
DIN-4DIMFLV4
0-10VDC FLUORESCENT DIMMING
5A MAX/OUTPUT
240V~ MAX 50/60Hz
WIRE: USE 75°C COPPER WIRE ONLY

NET
24 Y Z G   24 Y Z G

SETUP   OVR   PWR   NET
RESET

OVERRIDE
OVR G   OVR G

CE