GLXX-2DIM8

8 Channel Dimmer Module

- *8 channels of incandescent, MLV, ELV, 2-wire fluorescent, LED dimming or 4 channels of 3-wire fluorescent ballast dimming*
- *Phase-Synchronous detection eliminates lamp flicker*
- *Selectable dim, 3-wire fluorescent, and non-dim modes*
- *Supports 100 to 277 V applications*
- *16 A load rating per channel*
- *Short circuit and overload protection*
- *Positive air gap at each output*
- *Phase-independent channels*
- *Cresnet® communications for connection to a Crestron® control system*
- *Redundant power capability - module powered via line or Cresnet*
- *Local controls for testing and verification*
- *Local and remote override capability*
- *Non-volatile power failure memory*

The GLXX-2DIM8 is a Crestron Green Light Express® dimming module that features eight channels of incandescent, magnetic low-voltage, electronic low-voltage (forward-phase or leading edge compatible transformers only), 2-wire fluorescent ballast, and LED dimming. It also offers four channels of 3-wire fluorescent ballast dimming.

Override Input

Send an override signal from the control system to set all output channels to their preset override level. Override mode can also be triggered from the front-panel of the GLXX-2DIM8. Override levels can be adjusted and saved using the front-panel controls or via software.

Cresnet® Communications

The GLXX-2DIM8 communicates with a Crestron® control system using the Cresnet control network. A pair of Cresnet ports are provided on the GLXX-2DIM8 to allow easy daisy-chaining of several Crestron devices.

Specifications

Power Requirements

Primary	100-277 VAC, 50/60 Hz, supplied via L1-N1; 100-277 VAC, 50/60 Hz, supplied via L2-N2
Secondary (Optional)	5 W at 24 VDC, supplied via Cresnet

Load Ratings

Dimmer Channels	8
Load Rating	16 A per channel; 32 A total (maximum)
Lighting Load Rating	Group 1 (DM 1-4): 16 A, 1920 W; Group 2 (DM 5-8): 16 A, 1920 W
Motor Load Rating	Group 1 (DM 1-4): 1 HP at 120 V, 2 HP at 230/277 V; Group 2 (DM 5-8): 1 HP at 120 V, 2 HP at 230/277 V

> **NOTE:** Do not mix motor and lighting loads in the same group.

Minimum Load	25 W
Dim Load Types	Incandescent, magnetic low-voltage, electronic low-voltage (forward-phase or leading edge compatible transformers only), neon/cold cathode, 2-wire fluorescent ballast, 3-wire fluorescent ballast (uses adjacent channel for 3rd wire, i.e. channels 1 & 2 are to be used for one 3-wire load), LED
Switch Load Types	Incandescent, magnetic low-voltage, electronic low-voltage, neon/cold cathode, fluorescent ballast, high-intensity discharge, LED, motor

Connectors

NET (24 Y Z G)	(2) 4-pin 3.5 mm detachable terminal blocks, Cresnet port; Connection to control system or daisy-chain to additional Cresnet devices
NET (24 Y Z G OVR)	(2) 5-pin headers, Cresnet port with override; Connects to adjacent module or internal connecting block using the supplied interconnect cable

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OVR	(2) 2-pin 3.5 mm detachable terminal blocks, paralleled, comprising (2) inputs for external contact closures to engage override mode
L1 - N1	(1) 2-position terminal block; Connections must be made to power device; Provides power to DM1-DM14; Line input, power (L1); Line input, neutral (N1); 26-10 AWG wire; Torque to 5.31 lb-in. (0.6 Nm)
L2 - N2	(1) 2-position terminal block; Provides power to DM5-DM8; Line input, power (L2); Line input, neutral (N2); 26-10 AWG wire; Torque to 5.31 lb-in. (0.6 Nm)
DM1 - DM8	(4) 2-position terminal blocks; Dim channel outputs; 26-10 AWG wire; Torque to 5.31 lb-in. (0.6 Nm)

Controls and Indicators

NET ID	(2) 7-segment LED digits and (2) miniature pushbuttons for setting Cresnet ID; 7-segment LED digits light green to indicate the Cresnet ID; Miniature pushbuttons set the Cresnet ID, left button controls the left digit, right button controls the right digits
SETUP	(1) LED and (1) miniature pushbutton; Miniature pushbutton enables Setup mode and sets the touch-settable ID; LED lights red to indicate that Setup mode is enabled
OVR	(1) LED and (1) miniature pushbutton; Miniature pushbutton enables Override mode and saves Override presets
PWR	(1) LED; Lights green to indicate that power is applied to N1 and L1; Flashes green to indicate Cresnet power is supplied in absence of line power
NET	(1) LED; Lights yellow to indicate communication with control processor
RESET	(1) Recessed miniature pushbutton; Press to reset internal processor
1-8	(8) LEDs and (8) miniature pushbuttons, (1) per channel; Miniature pushbuttons control individual channels; LEDs light red to indicate that the channel is on

DIM/3 WIRE FL/NON-DIM	(8) Recessed miniature switches, (1) per channel; Sets the dimming mode to DIM, 3 WIRE FL, or NON-DIM; DIM: Module will accept dim commands; 3 WIRE FL: Adjacent channel in terminal block will be used for 3rd wire; NON-DIM: Module will act as a switch (necessary for motor loads)

Enclosure

Surface mount module with (2) integral mounting flanges; Mounts in a GLEX enclosure

Environmental

Temperature	32° to 104° F (0° to 40° C)
Humidity	10% to 90% RH (noncondensing)
Heat Dissipation	154 BTU/hr

Dimensions

Height	11.07 in. (281 mm)
Width	7.99 in. (203 mm)
Depth	3.50 in. (89 mm)

Weight

5.20 lb (2.36 kg)

Compliance

UL508, Section 41 (Endurance Test) and Section 61C (Electronic Ballasts)
UL924, Emergency Power Equipment
IEC60669-2-1, Section 19.102 (Contact mechanisms incorporated in electronic switches, intended for fluorescent lamp circuits or other capacitive loads)
SCCR Rating - 65kA
CE

Models

GLXX-2DIM8

This product may be purchased from select authorized Crestron dealers and distributors. To find a dealer or distributor, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/How-To-Buy/Find-a-Representative or by calling 855-263-8754.

This product is covered under the Crestron standard limited warranty. Refer to www.crestron.com/warranty for full details.

The specific patents that cover Crestron products are listed online at patents.crestron.com.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

7.37 in.
(188 cm)

0.19 in.
(5 mm)
TYP

11.07 in.
(282 mm)

10.38 in.
(264 mm)

7.99 in.
(203 mm)

0.35 in.
(9 mm)

INPUT: 100 - 277 VAC, 50/60 Hz
MAX. LOAD: 16A PER OUTPUT/FEED,
32A TOTAL

LOAD TYPES:
INCANDESCENT, MLV, NEON/CC,
FLUORESCENT BALLAST
WIRE: USE 75ºC COPPER WIRE ONLY

GLXX-2DIM8

1.03 in.
(27 mm)
TYP

0.25 in.
(7 mm)

3.5 in.
(89 mm)

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