## **GL-EXP-SW-CN**

## Crestron Green Light® Switch Expansion Module, Cresnet®

- > Single-channel lighting switch
- > Crestron® system integration via Cresnet®
- > Supports on/off switching of LED, incandescent, fluorescent, magnetic low-voltage, electronic low-voltage, neon/cold cathode, and high-intensity discharge lighting loads
- > Also supports on/off switching of motor loads
- > Rated 16 Amps at 100-277 Volts AC
- > Built-in air gap relay
- > Closure-activated override mode
- > UL® 924 listed for emergency lighting control
- > Surface mountable NEMA Type 1 enclosure
- > Mounts on a wall panel or above a suspended ceiling
- > UL 2043 listed for installation in an environmental air handling space

The Crestron Green Light® GL-EXP Series delivers a family of professional lighting control modules for Cresnet® or DALI® based lighting systems. Designed for easy installation on a wall or above a suspended ceiling, these modules offer a perfect solution for adding extra lighting zones to any system without requiring an additional lighting cabinet.

The GL-EXP-SW-CN is a single-channel switch expansion module designed to control a wide range of non-dimmable lighting loads including LED, incandescent, fluorescent, magnetic low-voltage, electronic low-voltage, neon/cold cathode, and high-intensity discharge. It can also be used to switch motor loads.

#### **Cresnet® Communications**

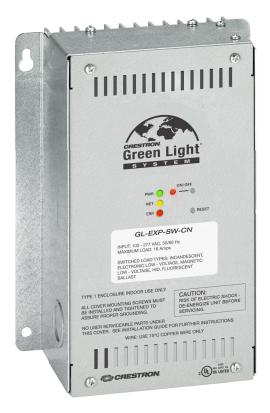
The GL-EXP-SW-CN interfaces with a Crestron® control system via Cresnet. Cresnet is a simple 4-wire network bus that provides the communications backbone for a system of Crestron lighting dimmers, switches, keypads, shades, thermostats, and other devices.

#### **Emergency Lighting Control**

The GL-EXP-SW-CN is UL® 924 listed for use in controlling an emergency lighting load. In the event of a power failure, a contact closure from a power loss sensor (Crestron GLS-PLS-120/277, sold separately) activates the override mode in the GL-EXP-SW-CN to turn on the lighting load if it is off (assuming line power is supplied by a backup power source).

#### **Plenum Rated NEMA Enclosure**

The GL-EXP-SW-CN is designed to be mounted to a vertical surface and is UL 2043 compliant to allow for installation in an environmental air-handling space above a suspended ceiling. Conduit knockouts are provided on the bottom and lower sides of the unit. All connections are made via screw terminals behind the front cover.



### **SPECIFICATIONS**

#### **Load Control**

Dimmer Channels: 1 Load Rating: 16 Amps

Line Voltage: 100-277 Volts AC, 50/60 Hz

Switched Load Types: LED, incandescent, fluorescent, magnetic low-voltage, electronic low-voltage, neon/cold cathode, high-intensity

discharge (HID), motor

#### Communications

Cresnet: Cresnet slave mode

#### Connections

**NEUT:** (3) Captive screw terminals; Neutral connections for feed and load; 24 to 10 AWG (0.25 to 4.0 mm²) wire size

LINE: (2) Captive screw terminals; Line power feed input and pass-through; 24 to 10 AWG (0.25 to 4.0 mm²) wire size

## GL-EXP-SW-CN Switch Expansion Module, Cresnet®

SW: (1) Captive screw terminal;

Switched load output:

24 to 10 AWG (0.25 to 4.0 mm<sup>2</sup>) wire size

**OVERRIDE:** (2) Captive screw terminals; Low-voltage contact closure sensing input;

Activates override mode when a closure is sensed;

26 to 14 AWG (0.14 to 1.5 mm<sup>2</sup>) wire size;

For use with Class 2 wiring only

**CRESNET:** (4) Captive screw terminals;

Cresnet slave port (communications only, does not use Cresnet power);

26 to 14 AWG (0.14 to 1.5 mm<sup>2</sup>) wire size;

For use with Class 2 wiring only

Ground: (1) 3-terminal grounding block

#### **Controls & Indicators**

PWR: (1) Green LED, indicates line power is applied to either LINE terminal

NET: (1) Yellow LED, indicates Cresnet network communication

ERR: (1) Red LED, indicates a variety of error conditions via blinking

patterns (refer to the installation guide)

ON/OFF: (1) Pushbutton and (1) red LED, pushbutton toggles the load

output on and off, LED indicates the load output is energized

RESET: (1) Pushbutton, initiates hardware reset

#### **Environmental**

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

#### Construction

Enclosure: NEMA Type 1, galvanized steel with gray matte powder coated removable front cover panel, extruded aluminum heat sink on rear, (2) integral mounting flanges, (4) 1/2" or 3/4" conduit knockouts on bottom and lower left & right sides

**Mounting:** Surface mount, must be oriented upright and mounted to a vertical surface with 6 inches (153 mm) minimum spacing above and below for proper ventilation and heat dissipation

#### **Dimensions**

Height: 8.78 in (223 mm) Width: 6.39 in (163 mm) Depth: 3.16 in (81 mm)

#### Weight

3.43 lb (1.56 kg)

### Compliance

C(UL)US, UL 924, UL 2043, FCC Part 15 Class A commercial use

### **MODELS & ACCESSORIES**

#### **Available Models**

GL-EXP-SW-CN: Crestron Green Light® Switch Expansion Module,

Cresnet®

#### **Available Accessories**

CRESNET: Cresnet® Control Cable GLS-PLS-120/277: Power Loss Sensor

Notes:

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at <a href="https://www.crestron.com/salesreps">www.crestron.com/salesreps</a> or by calling 800-237-2041.

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.

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