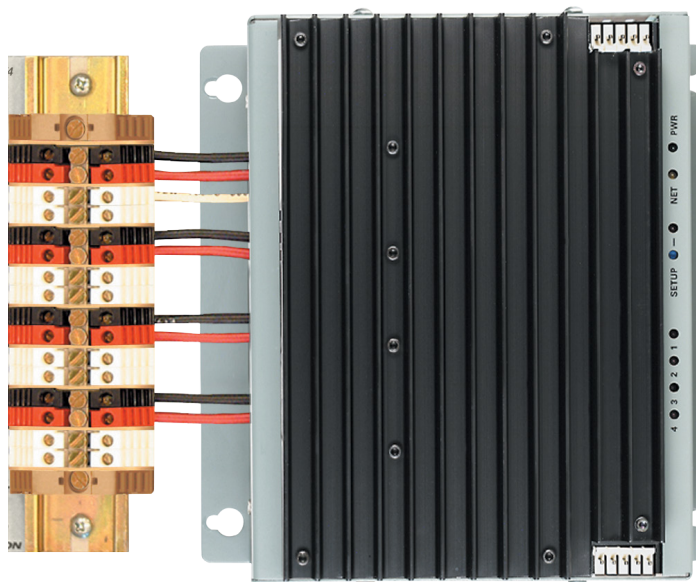


GL-CAEN-4HSW4 KIT

4 Channel High-Inrush Switch Module w/Terminal Block, 4 Feeds, 120V

- > Four-channel high-inrush switch module for commercial lighting applications
- > Installs in a Crestron® CAEN or CAEN-MLO enclosure
- > 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 1/2 HP motor loads
- > Individual feed inputs per channel
- > Rated 16 Amps per channel, 64 Amps total (using four 20 Amp feeds), at 120 Volts AC
- > Built-in air gap relay per channel
- > Convection cooled for silent operation
- > Closure-activated override mode
- > UL® 924 and CSA® C22.2 No. 141-15 listed for emergency lighting control
- > Crestron system integration via Cresnet®
- > Includes terminal block for high-voltage wiring
- > CEC Title 24 2013 compliant



The Crestron® GL-CAEN-4HSW4 is a four-channel, four-feed switch module designed for 120V commercial lighting system applications. It installs in a [CAEN](#) or [CAEN-MLO](#) enclosure and provides control 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. Individual feed capability provides four independent single-channel switches in one module space. Each channel is rated for 16 Amps, with a total module rating of 64 Amps when fed from four separate 20 Amp feeds.

Air-Gap Relays

An air-gap relay on each channel output allows individual circuits to be serviced without disabling the entire module.

Silent Operation

Low-maintenance convection cooling with over-sized heatsinks affords silent operation with no mechanical components to wear out.

Emergency Lighting Control

The GL-CAEN-4HSW4 is UL® 924 and CSA® C22.2 No. 141-15 listed for use in controlling emergency lighting loads. 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-CAEN-4HSW4 to turn on each designated lighting load if it is off (assuming line power is supplied by a backup power source).

Centralized Lighting Cabinet Installation

Crestron GL-CAEN series commercial lighting control modules are designed to be installed in a CAEN or CAEN-MLO wall mount enclosure. Available in a variety of sizes, CAEN and CAEN-MLO enclosures provide a scalable, high-density centralized lighting control solution for any-sized commercial building or facility. A selection of GL-CAEN module types is offered to accommodate a wide range of load types and system configurations.

Each lighting control module, including the GL-CAEN-4HSW4, ships complete with a DIN rail terminal block for termination of the high-voltage feed and load wiring. This terminal block mounts beside the module within the enclosure. Low-voltage control signals are bussed between each of the modules within an enclosure via a simple 5-wire link (interconnect jumpers included), which terminates to a single terminal block (model [CAEN-BLOCK](#), sold separately) at the bottom of the enclosure.

Cresnet® Communications

The GL-CAEN-4HSW4 interfaces with a Crestron control system (a.k.a., control processor or automation processor) 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.

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SPECIFICATIONS

Load Control

Switch Channels: 4

Switched Load Types: LED, incandescent, fluorescent, magnetic low-voltage, electronic low-voltage, neon/cold cathode, high-intensity discharge (HID), motor

Per Channel Load Rating: 16 Amps, 1/2 HP

Module Total Load Rating: 64 Amps^[1]

Line/Load Voltage: 120 Volts AC, 50/60 Hz; requires up to four single-phase feeds (may be same or different phases)

Connections

Via Terminal Block (included):

LINE 1 – 4: (4) Screw terminals, black, line power feed inputs (per channel)

SW 1 – 4: (4) Screw terminals, red, load outputs (per channel)

N IN 1 – 4: (4) Screw terminals, white, line power feed neutrals (per channel)

N OUT 1 – 4: (4) Screw terminals, white, load neutrals (per channel)

Note: Each terminal accepts one 14-10 AWG wire.

Module Interconnect: (2) 5-pin 0.156 inch headers;

Cresnet/Override interconnect ports;

Each connects to the adjacent module using the interconnect jumper provided; connects to a **CAEN-BLOCK** (sold separately) when installed in the lowest position within the enclosure

Controls & Indicators

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

NET: (1) Yellow LED, indicates Cresnet communication with the control system

SETUP: (1) Pushbutton and (1) red LED, used to enter Local mode and test each channel

1 – 4: (4) Red LEDs, each indicates the status of the corresponding channel

Environmental

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

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

Heat Dissipation: 16 BTU/hr + (0.41 BTU/hr x Load Current in Amps);
42 BTU/hr at maximum load

Enclosure

Gray metal with black heat sink, surface mount module with (2) integral mounting flanges;

Occupies 1 module space in a **CAEN** or **CAEN-MLO** enclosure

Dimensions

Height: 7.59 in (193 mm)

Width: 6.92 in (176 mm)

Depth: 3.43 in (87 mm)

Dimensions do not include the terminal block

Weight

3.00 lb (1.36 kg)

Compliance

UL Listed for US & Canada, IC, UL 508, UL 924, CSA C22.2 No. 14, CSA C22.2 No. 141-15, CEC Title 24 2013, FCC Part 15 Class A digital device

MODELS & ACCESSORIES

Available Models

GL-CAEN-4HSW4 KIT: 4 Channel High-Inrush Switch Module w/Terminal Block, 4 Feeds, 120V

Available Accessories

CAEN: Automation Enclosures

CAEN-MLO: Automation Enclosures with Integrated Breaker Panel

Notes:

1. When connecting to a third-party arc fault breaker, the total load should not exceed 1,000 Watts per feed.

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 www.crestron.com/salesreps 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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