

CL-SPACEBUILDER-CAEN-MLO

SpaceBuilder® System - CAEN-MLO

- *Control up to 32 lighting zones*
- *CAEN-5X1-MLO-120/3P enclosure provides up to 5 module spaces*
- *Configurable emergency/life safety zones*
- *Flexible dimming control using 2-wire forward phase dimming*
- *Flexible dimming control using 2-wire universal phase or 4-wire 0-10 V dimming*
- *Multizone switching*
- *3-phase 120/208 VAC*
- *20 A, GFCI, or AFCI breakers - 10 kAIC rated, Eaton CHF series*

The CL-SPACEBUILDER-CAEN-MLO SpaceBuilder® system is an MLO cabinet with flexible load types.

CL-SPACEBUILDER-CAEN-MLO is great for spaces that do not have accessible ceilings such as auditoriums, warehouses, sports venues, and large parking structures. The CL-SPACEBUILDER-CAEN-MLO is a quickly configured and shipped main-lug only panel solution that supports all analog dimming loads.

Module Options:

Dimming Modules

2-Wire Forward Phase Dimming

Deploy 4 A, 2-wire forward phase dimmed loads using the GL-CAEN-2DIM8 KIT. The GL-CAEN-2DIM8 KIT accepts two 20 A inputs that support four 1,920 W (15 A) lighting zones. This module accepts 120 VAC and has a maximum rating of 3,480 W (32 A).

2-Wire Universal Phase Dimming

Deploy 4 A, 2-wire forward or reverse phase dimmed loads using the GL-CAEN-2DIMU8 KIT. Each output auto-detects forward or reverse phase dimming operation. The GL-CAEN-2DIMU8 KIT accepts two 20 A inputs that support four 480 W (4 A) lighting zones. This module accepts 120 VAC power and has a maximum rating of 3,480 W (32 A).

4-Wire 0-10 V Dimming

Deploy 4 A, 4-wire forward phase dimmed loads, or 4-wire switched loads, using the GL-CAEN-DIMFLV8 KIT. The GL-CAEN-DIMFLV8 KIT accepts two 20 A inputs that support four 4 A lighting zones. This module accepts 120 VAC power and has a maximum rating of 32 A.

Switching Module

Deploy 16 A, 2-wire switched loads using the GL-CAEN-4HSW4 KIT. The GL-CAEN-4HSW4 KIT accepts four 20 A inputs that support four 16 A lighting zones. This module accepts 120 VAC power and has a maximum rating of 64 A.

Processor Module

The processor module consists of a DIN-AP4 and a DIN-PWS60 which are mounted to a DIN rail. The DIN-AP4 is a Crestron® 4-Series® Control engine that provides fast and powerful control of the lighting system. The DIN-AP4 controls connected modules and supports astronomical time-clock control, 40 Cresnet® control devices, and 50 BACnet™/IP points. The DIN-PWS60 supplies power to the DIN-AP4.

Ethernet Uplink Module

The Ethernet uplink module consists of a DIN-CENCN-2-POE and DIN-PWS60 which are mounted to a DIN rail. The DIN-CENCN-2-POE is an Ethernet to Cresnet network bridge that provides scalability to CL-SPACEBUILDER systems. The DIN-CENCN-2-POE receives commands from a DIN-AP4 control system to provide control for the connected modules and to pass commands through to additional CL-SPACEBUILDER systems. The DIN-PWS60 supplies power to the DIN-CENCN-2.

Options:

Assembly

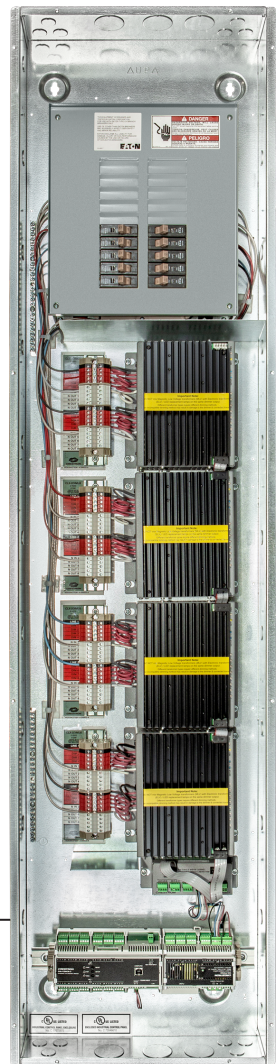
CL-SPACEBUILDER-CAEN-MLO systems are assembled in Crestron's UL508 panel shop. The system can also be ordered as individual components that are shipped independently and require on-site assembly.

Voltage

The CL-SPACEBUILDER-CAEN-MLO is available in 3-phase 120/208 VAC.

Networking

For easy scalability, CL-SPACEBUILDER-CAEN-MLO systems can be configured to use Ethernet or Cresnet communication.



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Specifications

Enclosures

CAEN-5X1-MLO-120/3P: Refer to the [CAEN-5X1-MLO-120/3P](#) product page for specifications.

Dimming Modules

GL-CAEN-2DIMU8 KIT: Refer to the [GL-CAEN-2DIMU8 KIT](#) product page for specifications.

GL-CAEN-2DIM8 KIT: Refer to the [GL-CAEN-2DIM8 KIT](#) product page for specifications.

GL-CAEN-2DIMFLV8 KIT: Refer to the [GL-CAEN-2DIMFLV8 KIT](#) product page for specifications.

Switching Modules

GL-CAEN-4HSW4 KIT: Refer to the [GL-CAEN-4HSW4 KIT](#) product page for specifications.

Control System Processor

DIN-AP4: Refer to the [DIN-AP4](#) product page for specifications.

Ethernet Uplink

DIN-CENCN-2-POE: Refer to the [DIN-CENCN-2-POE](#) product page for specifications.

Power Supply

DIN-PWS60: Refer to the [DIN-PWS60](#) product page for specifications.

Circuit Breakers

Breakers are rated to 10 kAIC;
Maximum wire gauge 4 AWG

Main Lug

225 A maximum;
Maximum wire gauge 4/0 AWG

Construction

Enclosure: NEMA 1 metal enclosure suitable for installation in plenum air-handling spaces.

Environmental

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

Humidity: 10% to 90% RH (noncondensing)

Dimensions

CAEN-5X1-MLO-120/3P:

Height: 62.75 in. (1,594 mm)

Width: 16.10 in. (409 mm)

Depth: 4.98 in. (127 mm)

Compliance

CE, UL® Listed

CL-SPACEBUILDER-CAEN-MLO systems fully assembled in Crestron's UL certified panel shop are UL508 Listed.

To search for product certificates, refer to support.crestron.com/app/certificates.

Assembly

CL-SPACEBUILDER-CAEN-MLO systems fully assembled in Crestron's UL certified panel shop are UL508 Listed. The individual components may also be ordered and shipped unassembled, requiring on-site assembly and any applicable certifications and inspections.

Models and Accessories

Available Model

CL-SPACEBUILDER-CAEN-MLO
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Available Accessories

CAEN-5X1-MLO-120/3P

Automation Enclosure, 5 modules high x 1 module wide, 20 breaker slots, three phase

GL-CAEN-2DIMU8 KIT

8-Channel Universal Dimmer Module with Terminal Block, 2 Feeds, 120 V

GL-CAEN-2DIM8 KIT

8-Channel Dimmer Module with Terminal Block, 2 Feeds, 120 V

GL-CAEN-2DIMFLV8 KIT

8-Channel 0-10V Dimmer Module with Terminal Block, 2 Feeds, 120 V

GL-CAEN-4HSW4 KIT

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

DIN-AP4

DIN Rail 4-Series® Automation Processor

DIN-PWS60

DIN Rail 60 Watt Cresnet® Power Supply

DIN-CENCN-2-POE

Ethernet to Cresnet® Bridge with PoE

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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 contact us for additional information by visiting www.crestron.com/contact/our-locations for your local contact.

The original language version of this document is U.S. English.
All other languages are a translation of the original document.

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