SpaceBuilder® System - CAEN-FT

- *Control up to 32 lighting zones*
- *CAEN-4X1 enclosure provides up to 4 modules*
- *CAEN-7X1 enclosure provides up to 7 modules*
- *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*
- *Scalable using the Ethernet uplink to communicate with external control system*
- *Assembled cabinets are UL508 Listed*
- *120 or 277 VAC*
- *Internal 4-series processor for astronomical time-clock lighting control*

The CL-SPACEBUILDER-CAEN-FT SpaceBuilder® system is ideal for spaces where distributed or wireless controls are not appropriate. CL-SPACEBUILDER-CAEN-FT is great for spaces that do not have accessible ceilings such as auditoriums, warehouses, sports venues, and large parking structures. The CL-SPACEBUILDER-CAEN-FT is a quickly configured and shipped feed-through 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.
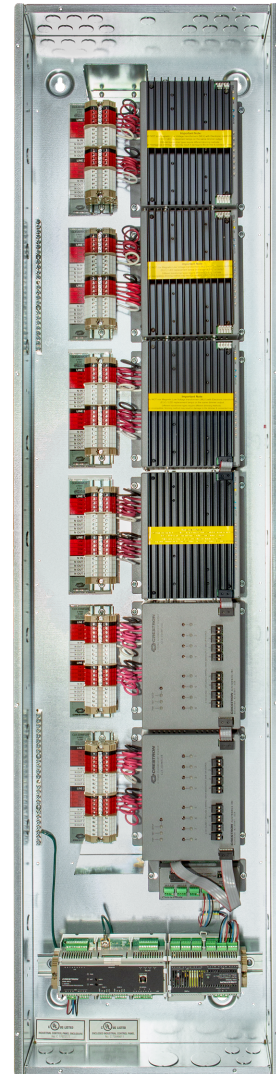
Options:

Assembly

CL-SPACEBUILDER-CAEN-FT 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-FT is available in 120 or 277 VAC feed through styles.

Networking

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

Specifications

Enclosures

CAEN-4X1: Refer to the CAEN-4X1 product page for specifications.

CAEN-7X1: Refer to the CAEN-7X1 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.

GL-CAEN-2DIMU8-277 KIT: Refer to the GL-CAEN-2DIMU8-277 KIT product page for specifications.

GL-CAEN-2DIMFLV8-277 KIT: Refer to the GL-CAEN-2DIMFLV8-277 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

This feed-through cabinet does not have over-current protection breakers.

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-4X1:

> **Height:** 38.25 in. (972 mm)
>
> **Width:** 14.38 in. (365 mm)
>
> **Depth:** 4.00 in. (102 mm)

CAEN-7X1:

> **Height:** 62.00 in. (1,575 mm)
>
> **Width:** 14.38 in. (365 mm)
>
> **Depth:** 4.00 in. (102 mm)

Compliance

CE, UL® Listed

CL-SPACEBUILDER-CAEN-FT 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-FT 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-FT
SpaceBuilder® System - CAEN-FT

Available Accessories

CAEN-4X1
Automation Enclosure, 4 modules high x 1 module wide

CAEN-7X1
Automation Enclosure, 7 modules high x 1 module wide

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-2DIMU8-277 KIT
8-Channel Universal Dimmer Module with Terminal Block, 2 Feeds, 277 V

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GL-CAEN-2DIMFLV8-277 KIT
8-Channel 0-10V Dimmer Module with Terminal Block, 2 Feeds, 277 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

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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