

## SpaceBuilder® System - CAEN-FT

- Control up to 32 lighting zones
- Configurable emergency/life safety zones
- Flexible dimming control using 2-wire universal-phase dimming, 2-wire forward-phase dimming, or 4-wire 0-10 V dimming
- Allows multizone switching
- Internal 3-series processor for astronomical time-clock lighting control
- Scalable using the Ethernet uplink to communicate with external control system
- 120 or 277 VAC power input
- Assembled cabinets are UL508 Listed
- CAEN-4X1 enclosure for one to four modules
- CAEN-7X1 enclosure for five to seven modules

The Crestron® CL-SPACEBUILDER-CAEN-FT SpaceBuilder® system is ideal for spaces where distributed or wireless controls are not appropriate. The 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.

Configure and order the CL-SPACEBUILDER-CAEN-FT SpaceBuilder® system at [www.crestron.com/spacebuilder](http://www.crestron.com/spacebuilder).

### Module Options:

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#### 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 0-10 V dimmed loads, or 4-wire switched loads, using the GL-CAEN-DIMFLV8 KIT. The GL-CAEN2-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-AP3 and a DIN-PWS60, which are mounted to a DIN rail. The DIN-AP3 is a Crestron® 3-Series® Control engine that provides fast and powerful control of the lighting system. The DIN-AP3 supports astronomical time-clock control, 40 Cresnet® control devices, and 50 BACnet™/IP points. The DIN-PWS60 supplies power to the DIN-AP3.

#### 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 a CL-SPACEBUILDER system. The DIN-CENCN-2-POE receives commands from a DIN-AP3 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:

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##### Assembly

The CL-SPACEBUILDER-CAEN-FT system can be 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

Configure the CL-SPACEBUILDER-CAEN-FT for use with 120 or 277 VAC feed through line power input.

##### Networking

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

### Specifications

#### Enclosures

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**CAEN-4X1:** Refer to the [CAEN-4X1](#) product page for specifications.

**CAEN-7X1:** Refer to the [CAEN-7X1](#) product page for specifications.

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### Dimming Modules

**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-2DIMFLV8-277 KIT:** Refer to the [GL-CAEN-2DIMFLV8-277 KIT](#) product page for specifications.

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

**GL-CAEN-2DIMU8-277 KIT:** Refer to the [GL-CAEN-2DIMU8-277 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-AP3:** Refer to the [DIN-AP3](#) 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

Assembled cabinets are UL508 Listed

### Models and Accessories

#### Available Model

**CL-SPACEBUILDER-CAEN-FT**  
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#### Available Accessories

**CAEN-4X1**

Automation Enclosure, 4 modules high x 1 module wide

**CAEN-7X1**

Automation Enclosure, 7 modules high x 1 module wide

**DIN-AP3**

DIN Rail 3-Series® Automation Processor

**DIN-CENCN-2-POE**

Ethernet to Cresnet® Bridge with PoE

**DIN-PWS60**

DIN Rail 60 W Cresnet® Power Supply

**GL-CAEN-2DIM8 KIT**

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

**GL-CAEN-2DIMFLV8 KIT**

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

**GL-CAEN-2DIMFLV8-277 KIT**

8-Channel 0-10 V Dimmer Module with Terminal Block, 2 Feeds, 277 V

**GL-CAEN-2DIMU8 KIT**

8-Channel Universal 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

**GL-CAEN-4HSW4 KIT**

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

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 <https://www.crestron.com/How-To-Buy/Find-a-Representative> or by calling 855-263-8754.

## SpaceBuilder® System - CAEN-FT

The specific patents that cover Crestron products are listed online at [patents.crestron.com](http://patents.crestron.com).

Certain Crestron products contain open source software. For specific information, please visit [www.crestron.com/opensource](http://www.crestron.com/opensource).

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