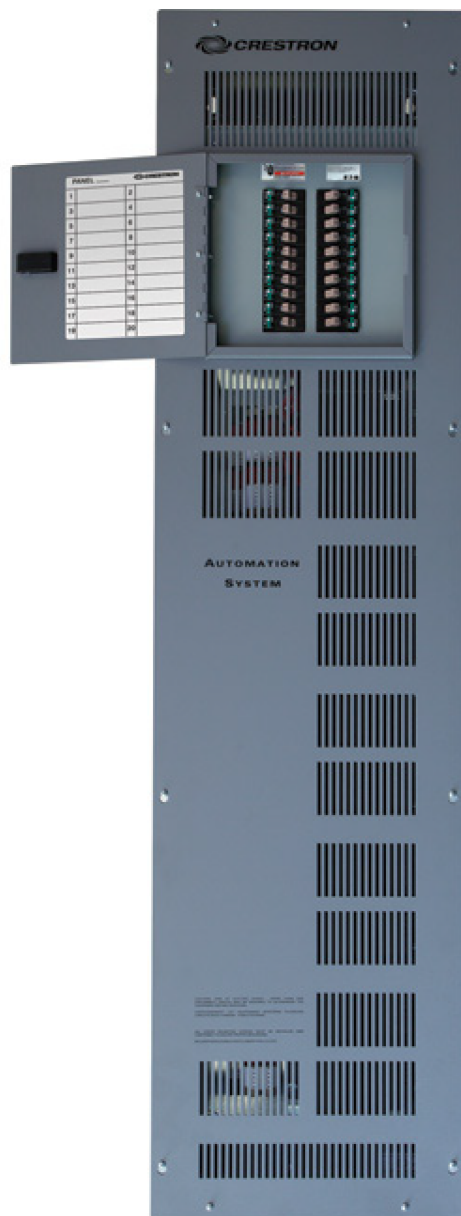


## Automation Enclosures with Integrated Breaker Panel



CAEN-5X1-MLO shown with cover installed; circuit breakers sold separately

- Centralized lighting and automation for residential and commercial applications
- Configurable using CLX Series lighting control modules (sold separately)
- Provides up to 20 breaker slots per enclosure or 6 slots in the smallest model (sold separately)
- Thermal magnetic, ground fault, and combination arc fault breakers available
- Enables up to 80 controlled circuits in a single enclosure
- Available with split phase or three phase main lugs
- Designed for use as a sub panel
- Supports centralized and distributed system topologies
- Accommodates a Crestron® automation control system (sold separately)
- Available in three convenient sizes
- Allows surface or flush wall mounting
- Allows inverted mounting for use in flood prone areas
- All metal composition with a generous assortment of knockout openings
- Includes vented front cover with hinged breaker access door and dead front
- Includes grounding blocks and low voltage partitions
- Additional mounting and termination accessories available (sold separately)
- Features quiet, reliable, and efficient convection cooling
- Panel shop fabrication service available
- Intertek® Listed for US & Canada

Crestron® CAEN-MLO automation enclosures are designed to provide a professional centralized dimming solution for residential and commercial applications. CAEN-MLO enclosures are available in three physical sizes, providing options for both surface and flush wall mount installation. Each model has been engineered to provide a clean and manageable installation with abundant provisions for wire termination and electrical knockouts.

### Space-Efficient and Configurable

CAEN-MLO automation enclosures are designed to use space efficiently, supporting up to 80 controlled circuits in the largest model. Configured using Crestron CLX Series lighting control modules (sold separately), CAEN-MLO enables versatile combinations of dimming, switching, fan, and motor control in a single enclosure. Five enclosure models are offered, each designed for use as a subpanel with either split phase or three phase main lugs. As an option, Crestron offers complete factory assembly and testing in our panel shop.

## Automation Enclosures with Integrated Breaker Panel

### Integrated Circuit Breakers

Up to 20 circuit breakers may be installed (sold separately), providing a choice of thermal magnetic, ground fault, and combination arc fault breaker types. To ensure premium electrical circuit protection, Crestron has chosen Eaton® CH circuit breakers for use in our CAEN-MLO automation enclosures. These breakers have been rigorously tested and proven to work reliably with Crestron dimmers, exhibiting excellent immunity to nuisance tripping under dimmed loads up to 2000 W. An innovative plug-on neutral design eliminates the need for individual pigtailed wires to a separate bus bar, affording a cleaner, more efficient assembly.

### Control System Options

Any CAEN-MLO automation enclosure can be equipped with a Crestron automation control system (sold separately), affording fully integrated control for a complete residence or commercial facility. A Crestron control system provides a fully programmable control solution, with the ability to augment the centralized lighting controls with in-wall dimmers and switches, shading controls, climate controls, remote sensors, keypads and touch screen controllers throughout the building. Crestron control systems also allow for integration with security, AV, HVAC, irrigation, pool and spa, and a variety of other systems.

## Specifications

### Load Ratings

<b>Per Channel</b>	Refer to each CLX Series module spec sheet (sold separately)
<b>Load Types</b>	Refer to each CLX Series module spec sheet (sold separately)

### Main Lug

<b>Line Power, 3-Phase</b>	120/208 VAC, 225 Amps maximum, 50/60 Hz phase to-neutral
<b>Line Power, Split-Phase</b>	120/240 VAC, 225 Amps maximum, 50/60 Hz phase to-neutral
<b>Maximum Wire Gauge</b>	4/0 AWG (CAEN-5X1/5X2-MLO), 2/0 AWG (CAEN-3X1-MLO)

### Circuit Breakers

<b>Types</b>	Eaton® CHF120, CHFCAF120PN, and CHFGF120PN; single-pole, 20A, 10kAIC rated; see Available Accessories for Crestron model numbers (sold separately)
<b>Maximum Wire Gauge</b>	4 AWG

### Environmental

<b>Temperature</b>	32° to 104°F (0° to 40°C)
<b>Humidity</b>	10% to 90% RH (noncondensing)

### Enclosure

16-gauge galvanized steel backbox with perforated gray steel cover, surface or flush wall-mount installation, invertible

### Backbox Dimensions

<b>CAEN-5X2-MLO</b>	<b>Height:</b> 62.75 in (1594 mm); <b>Width:</b> 27.25 in (693 mm); <b>Depth:</b> 4.98 in (127 mm)
<b>CAEN-5X1-MLO</b>	<b>Height:</b> 62.75 in (1594 mm); <b>Width:</b> 16.10 in (409 mm); <b>Depth:</b> 4.98 in (127 mm)
<b>CAEN-3X1-MLO</b>	<b>Height:</b> 39.65 in (1008 mm); <b>Width:</b> 16.10 in (409 mm); <b>Depth:</b> 4.98 in (127 mm)

### Weight

<b>CAEN-5x2-MLO</b>	73.0 lb (33.11 kg)
<b>CAEN-5x1-MLO</b>	50.0 lb (22.68 kg)
<b>CAEN-3x1-MLO</b>	33.0 lb (14.97 kg)

### Compliance

Intertek® Listed for US & Canada; Empty enclosure is designed to meet UL50 & CSA C22.2 No 94.1

## Models

### CAEN-5X2-MLO-120/2P

Automation Enclosure, 5 Modules High x 2 Modules Wide, 20 Breaker Slots, Split Phase

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

Automation Enclosure, 5 Modules High x 1 Module Wide, 20 Breaker Slots, Three Phase

### CAEN-5X1-MLO-120/2P

Automation Enclosure, 5 Modules High x 1 Module Wide, 20 Breaker Slots, Split Phase

### CAEN-3X1-MLO-120/2P

Automation Enclosure, 3 Modules High x 1 Module Wide, 6 Breaker Slots, Split Phase

## Automation Enclosures with Integrated Breaker Panel

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](http://www.crestron.com/How-To-Buy/Find-a-Representative) or contact us for additional information by visiting [www.crestron.com/contact/our-locations](http://www.crestron.com/contact/our-locations) for your local contact.

The product warranty can be found at [www.crestron.com/warranty](http://www.crestron.com/warranty).

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

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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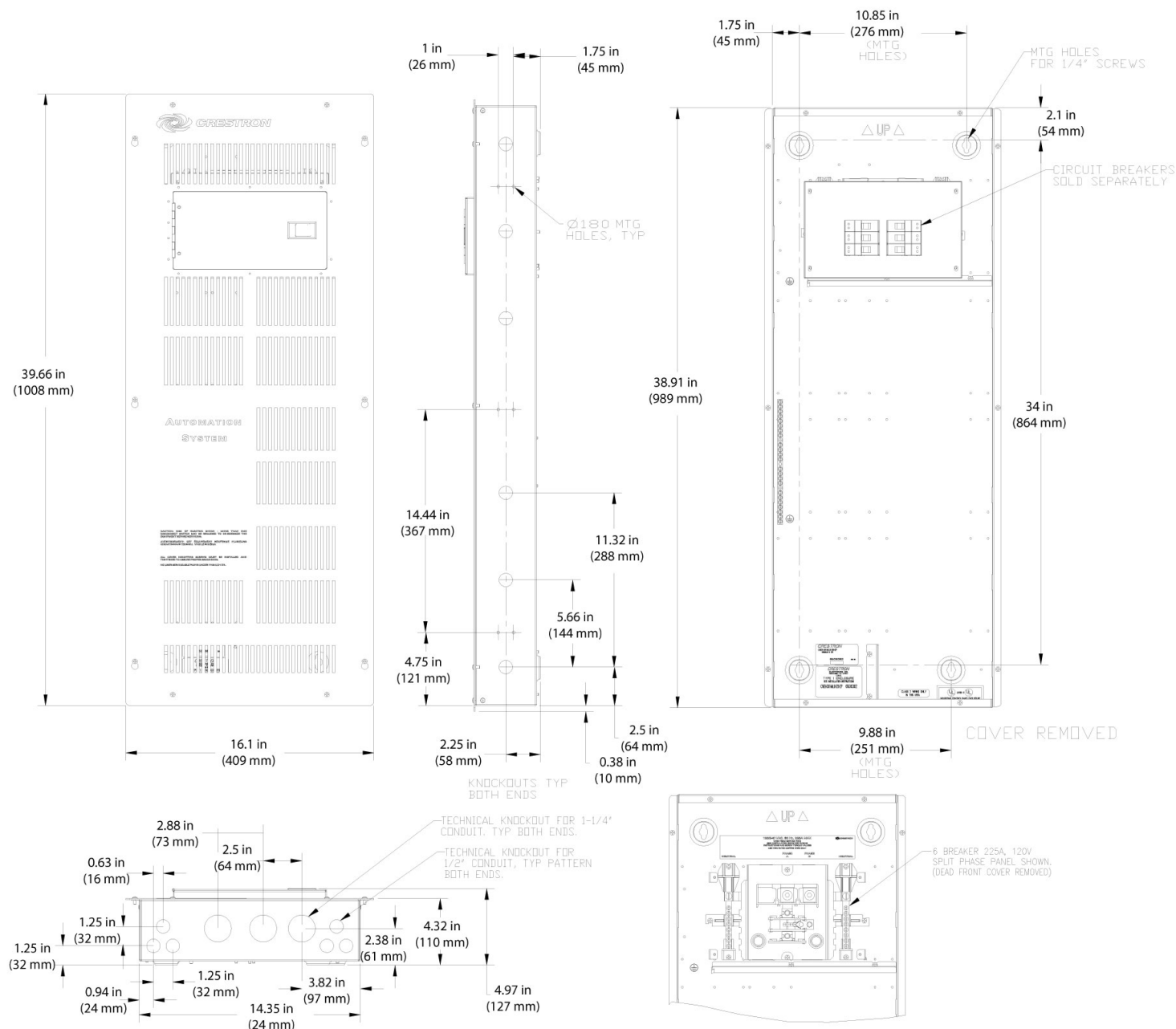
Specifications are subject to change without notice.

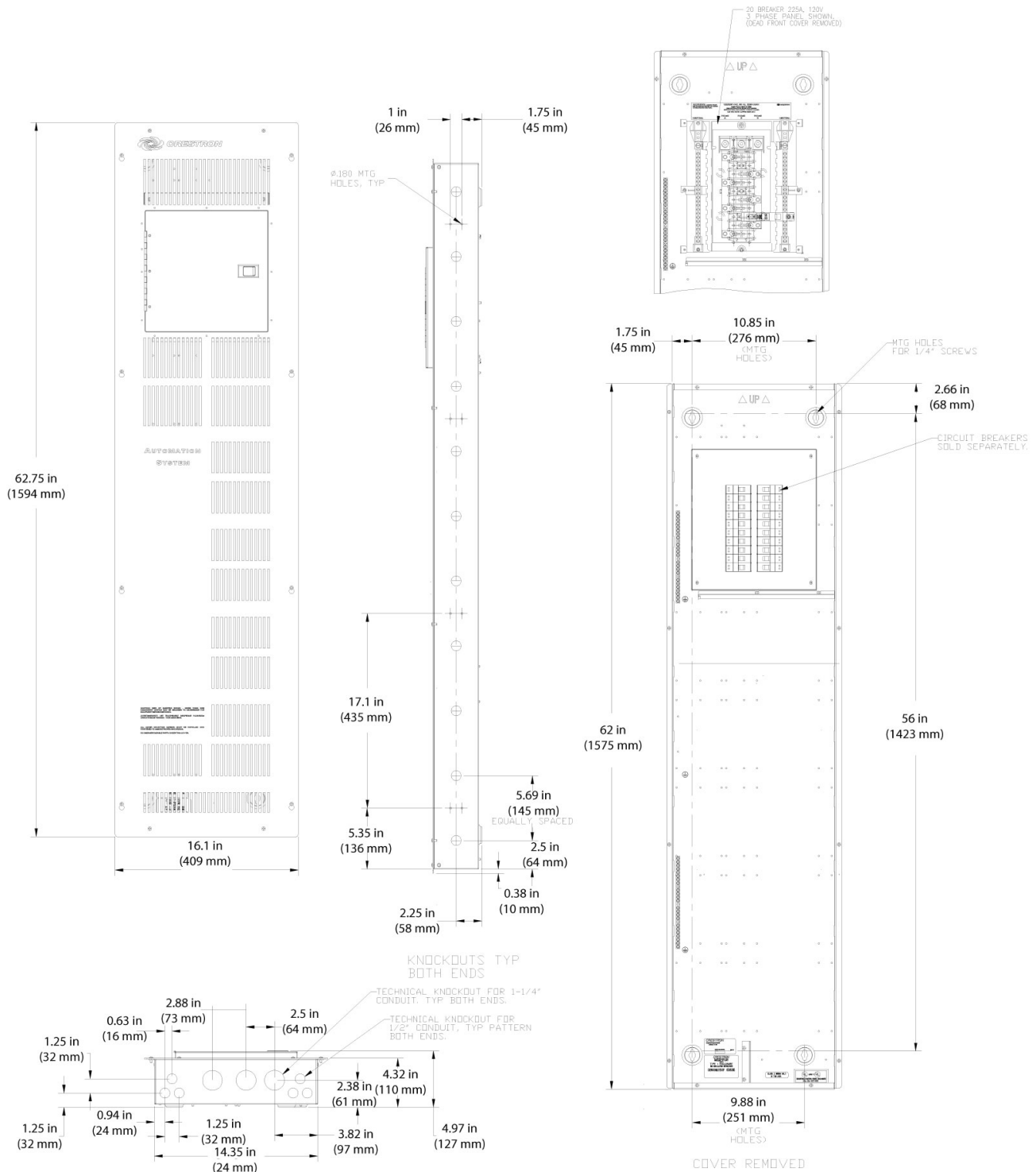
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## Automation Enclosures with Integrated Breaker Panel

### CAEN-3X1-MLO





## Automation Enclosures with Integrated Breaker Panel

### CAEN-5X2-MLO

