

## Automation Enclosures with Integrated Breaker Panel

- > Centralized lighting and automation for residential and commercial applications
- > Configurable using CLX Series lighting control modules<sup>[1]</sup>
- > Provides up to 20 circuit breaker slots per enclosure (or 6 in the smallest model)<sup>[1]</sup>
- > 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<sup>[1]</sup>
- > 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<sup>[1]</sup>
- > Features quiet, reliable, and efficient convection cooling
- > UL® Listed panel shop fabrication service available

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<sup>[1]</sup>, 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 UL® Listed panel shop.

### Integrated Circuit Breakers

Up to 20 circuit breakers may be installed<sup>[1]</sup>, 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 Watts. An innovative plug-on neutral design eliminates the need for individual pigtails wired to a separate bus bar, affording a cleaner, more efficient assembly.



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

### Control System Options

Any CAEN-MLO automation enclosure can be equipped with a Crestron automation control system<sup>[1]</sup>, 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.

# CAEN-MLO Automation Enclosures with Integrated Breaker Panel

## SPECIFICATIONS

### Load Ratings

Per Channel: Refer to each CLX Series module spec sheet<sup>[1]</sup>

Load Types: Refer to each CLX Series module spec sheet

### Main Lug

Line Power, 3-Phase: 120/208 Volts AC, 225 Amps maximum, 50/60 Hz phase to-neutral

Line Power, Split-Phase: 120/240 Volts AC, 225 Amps maximum, 50/60 Hz phase to-neutral

Maximum Wire Gauge: 4/0 AWG (CAEN-5X1/5X2-MLO);  
2/0 AWG (CAEN-3X1-MLO)

### Circuit Breakers

Types: Eaton® CHF120, CHFCAF120PN, and CHF120PN; single-pole, 20A, 10kAIC rated; see Available Accessories for Crestron model numbers<sup>[1]</sup>

Maximum Wire Gauge: 4 AWG

### Environmental

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

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

### Enclosure

16 Gauge galvanized steel back box with perforated grey steel cover, surface or flush wall mount, invertible

### Dimensions – CAEN-5X2-MLO

Height: 62.75 in (1594 mm)

Width: 27.25 in (693 mm)

Depth: 4.98 in (127 mm)

### Dimensions – CAEN-5X1-MLO

Height: 62.75 in (1594 mm)

Width: 16.10 in (409 mm)

Depth: 4.98 in (127 mm)

### Dimensions – CAEN-3X1-MLO

Height: 39.65 in (1008 mm)

Width: 16.10 in (409 mm)

Depth: 4.98 in (127 mm)

### Weight

CAEN-5X2-MLO: 73.0 lb (33.11 kg)

CAEN-5X1-MLO: 50.0 lb (22.68 kg)

CAEN-3X1-MLO: 33.0 lb (14.97 kg)

## MODELS & ACCESSORIES

### Available Models

CAEN-5X2-MLO-120/2P: Automation Enclosure, 5 modules high x 2 modules wide, 20 breaker slots, split phase

CAEN-5X2-MLO-120/3P: Automation Enclosure, 5 modules high x 2 modules 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-5X1-MLO-120/3P: Automation Enclosure, 5 modules high x 1 module wide, 20 breaker slots, three phase

CAEN-3X1-MLO-120/2P: Automation Enclosure, 3 modules high x 1 module wide, 6 breaker slots, split phase

### Available Accessories

CLB-120-20A: Thermal Magnetic Breaker, 120V, 20A

CLB-120-20A-AFCI: Combination Arc Fault Breaker, 120V, 20A

CLB-120-20A-GFCI: Ground Fault Breaker, 120V, 20A

CLX Series: Lighting Control Modules

CLT Series: Terminal Blocks for CLX Lighting Control Modules

CLX-DIN-AP3: 3-Series® Automation Processor Assembly

CLX-DIN-AP3-HUB: 3-Series® Automation Processor Assembly with Hub

PAC2: Automation Control System

PAC2M: Mini Automation Control System

CAEN-BLOCK: Cresnet Terminal Block

CLX-PWS75: 75 Watt Cresnet Power Supply Module

C2N-SPWS300: 300 Watt Crest'ron Power Supply

CAEN-UMP Series: Universal Mounting Plates

### Notes:

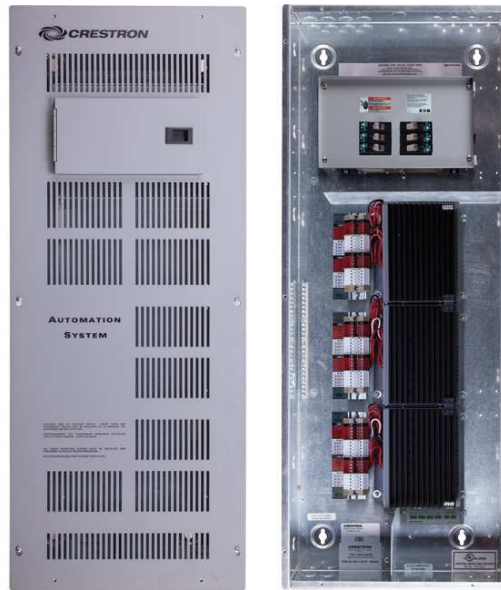
1. Circuit breakers, lighting control modules, control systems, and other accessories sold separately.

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](http://www.crestron.com/salesreps) or by calling 800-237-2041.

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

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# CAEN-MLO Automation Enclosures with Integrated Breaker Panel



CLX modules,  
CLT terminal blocks,  
and CLB circuit breakers  
sold separately.

CAEN-3X1-MLO with and without cover

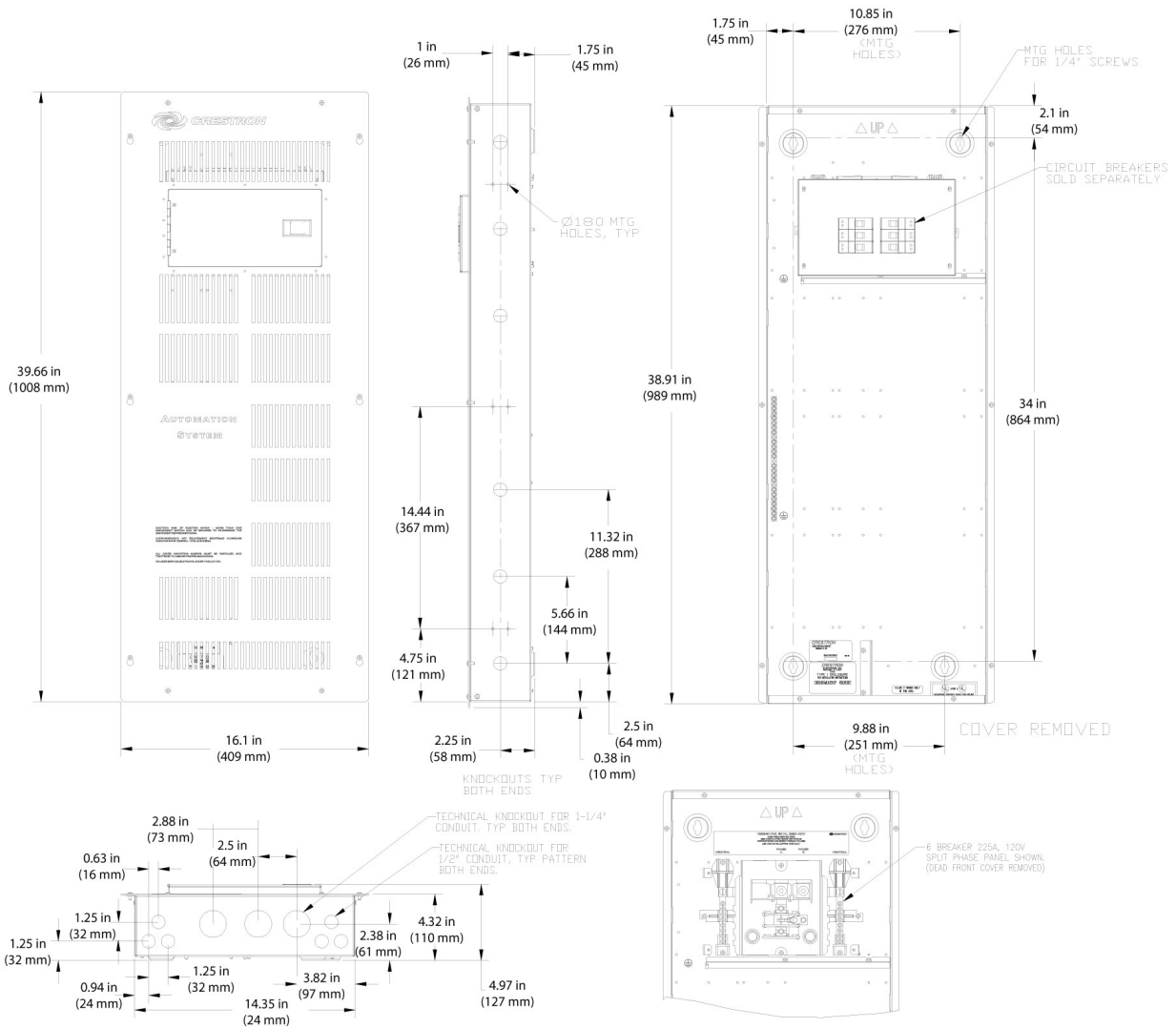


CAEN-5X1-MLO with and without cover



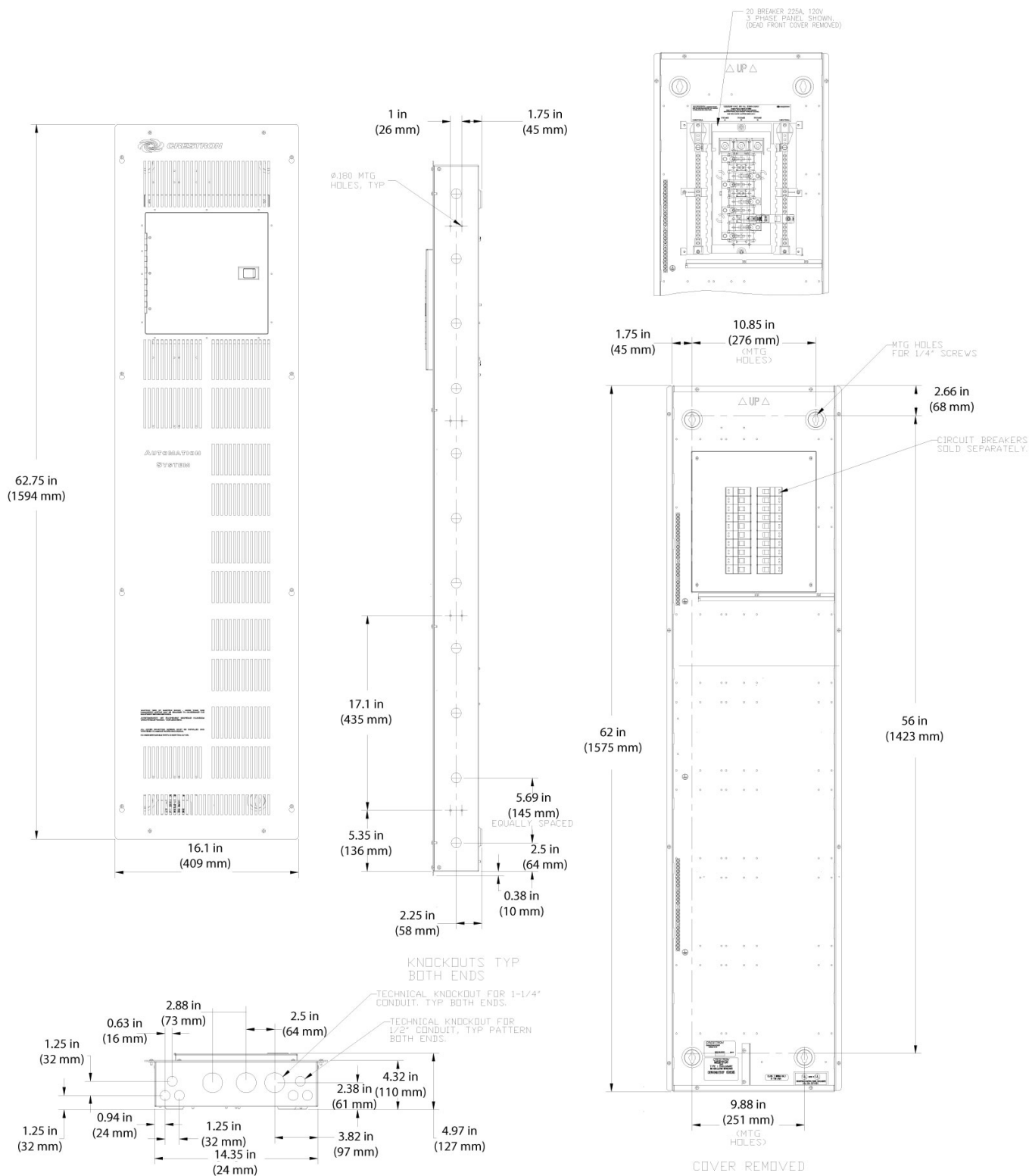
CAEN-5X2-MLO with and without cover

# CAEN-MLO Automation Enclosures with Integrated Breaker Panel



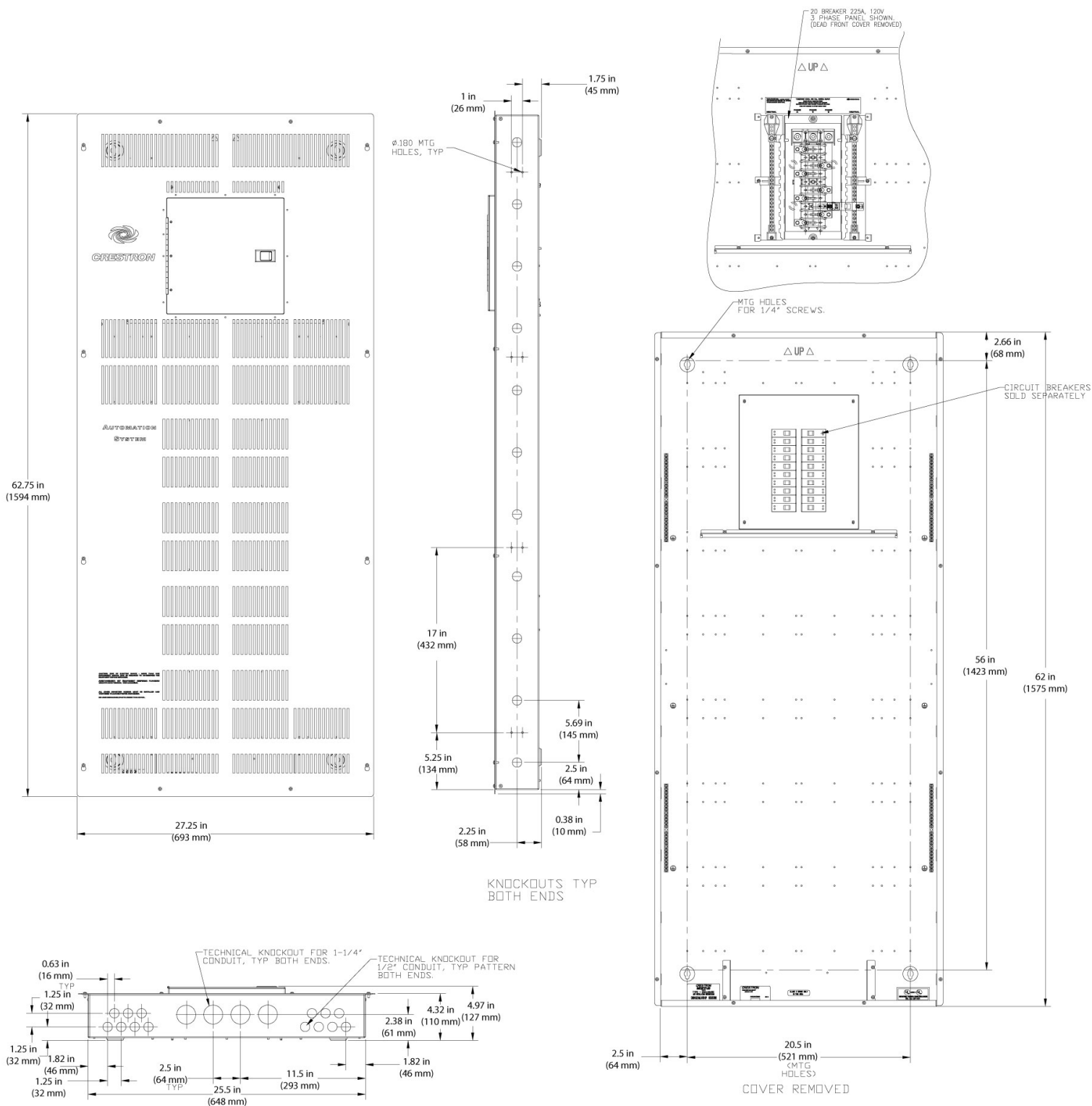
CAEN-3X1-MLO

# CAEN-MLO Automation Enclosures with Integrated Breaker Panel



CAEN-5X1-MLO

# CAEN-MLO Automation Enclosures with Integrated Breaker Panel



**CAEN-5X2-MLO**