

# DIN-EN-2X18-HC-2OPEN/DIN-EN-3X18-HC-2OPEN/DIN-EN-6X18-HC-5OPEN

## DIN Rail Enclosure with Cover Openings and Hinged Cover

The Crestron® DIN-EN-2X18-HC-2OPEN, DIN-EN-3X18-HC-2OPEN, and DIN-EN-6X18-HC-5OPEN are UL® Listed enclosures that provide a centralized mounting solution for DIN-THSTAT thermostats and other DIN rail modules. The enclosures contain two, three, or six DIN rails (18M wide).

A hinged cover provides easy access to equipment wiring. The black cover contains two or five cover openings that provide easy access to the control surface on the DIN modules.

The design of the DIN-EN-3X18-HC-2OPEN and DIN-EN-6X18-HC-5OPEN creates a fire enclosure which provides an installation location for line-voltage (Class 1) devices. The fire enclosure provides a barrier that maintains a separation between Class 1 device installation and wiring in the fire enclosure and Class 2 device installation and wiring in the enclosure area with the cover cutouts.

The fire enclosure contains one normal-height DIN rail and does not include cutouts in the cover. The fire enclosure is perfectly suited for devices like the DIN-PWS60 power supply or 24 VAC HVAC transformers (not supplied).

DIN-EN-2X18-HC-2OPEN: 2 DIN rails, 2 cover openings

DIN-EN-3X18-HC-2OPEN: 3 DIN rails, 2 cover openings

DIN-EN-6X18-HC-5OPEN: 6 DIN rails, 5 cover openings

### Check the Box

Item	Qty
DIN-EN-2X18-HC-2OPEN, DIN-EN-3X18-HC-2OPEN, or DIN-EN-6X18-HC-5OPEN	1
<b>DIN-EN-2X18-HC-2OPEN Only</b>	
Plastic Cover, Blank, 3M Wide (P/N 2053599)	3
Plastic Cover, Blank, 9M Wide (P/N 2053600)	2
DIN End Bracket (P/N 2003740)	4
<b>DIN-EN-3X18-HC-2OPEN Only</b>	
Plastic Cover, Blank, 3M Wide (P/N 2053599)	3
Plastic Cover, Blank, 9M Wide (P/N 2053600)	2
DIN End Bracket (P/N 2003740)	6
<b>DIN-EN-6X18-HC-5OPEN Only</b>	
Plastic Cover, Blank, 3M Wide (P/N 2053599)	3
Plastic Cover, Blank, 9M Wide (P/N 2053600)	4
DIN End Bracket (P/N 2003740)	12

### Important Notes

#### CAUTIONS:

- These enclosures house equipment that needs to be air-cooled. Therefore, mount in a well-ventilated area. Allow adequate clearance in front of the vented cover for servicing and ventilation.
- All power feeds must be protected by 15- or 20-amp circuit breakers (not included).

#### NOTES:

- The system specified in this guide is modular, and may require assembly in the field by a licensed electrician, in accordance with all national and local codes
- Enclosures are intended for indoor use only.
- When flush mounting, 5/8 in. (16 mm) drywall is preferred.
- Install all wiring in accordance with all local and national electrical codes.

### Mount the Enclosure

#### NOTES:

- Refer to Dimensions section on the following page for mounting hole locations.
- Use mounting hardware that is appropriate for the mounting scenario. Mounting hardware is not supplied.

To install the enclosure flush with drywall, secure the enclosure directly to the concrete wall. Use 2 in. x 4 in. blocking, if necessary, to secure the enclosure.

To install the enclosure on drywall, secure a piece of 1/2 in. (13 mm) plywood to the framing and then secure the enclosure to the plywood.

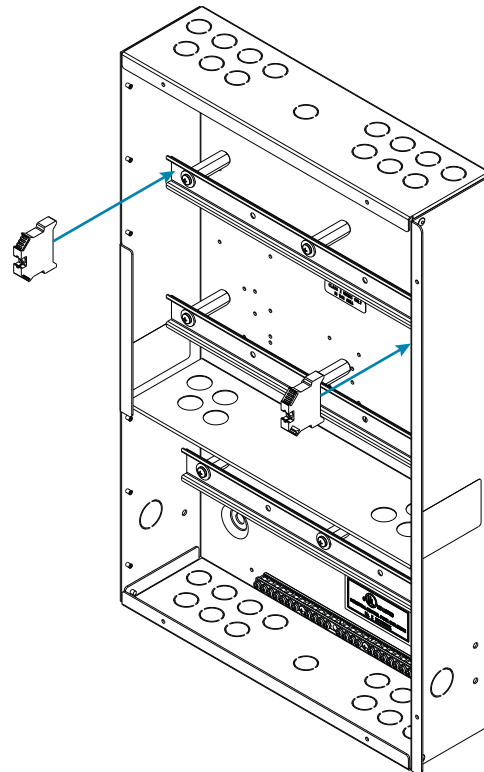
### DIN Module Installation

**NOTE:** Remove the cover screws to access the inside of the enclosure. Retain the cover screws to secure the cover to the enclosure. Refer to "Secure the Cover" for cover screw locations.

#### Install the DIN End Brackets

Install the DIN end brackets to provide proper alignment for the DIN modules. To install the DIN end brackets, place the DIN end brackets on the DIN rail and then use a flat-head screwdriver to tighten the mounting screw. The DIN end brackets should be flush with the end of the DIN rail.

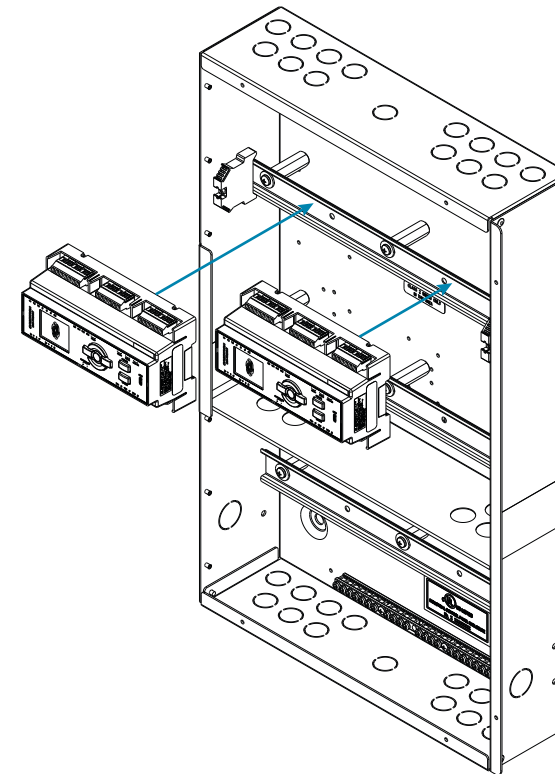
#### Install DIN End Brackets (DIN-EN-3X18-HC-2OPEN shown)



### Install the DIN Modules

Secure the DIN modules to the DIN rail. To ensure proper alignment, place the DIN modules next to the DIN end brackets.

#### Install DIN Modules (DIN-EN-3X18-HC-2OPEN shown)



### Secure the Cover

When closing the cover, ensure that the DIN modules do not inhibit the cover from closing. It may be necessary to make small adjustments to the DIN modules or DIN end brackets to allow the cover to close.

Secure the cover with the cover screws. All screws must be used to secure the cover.

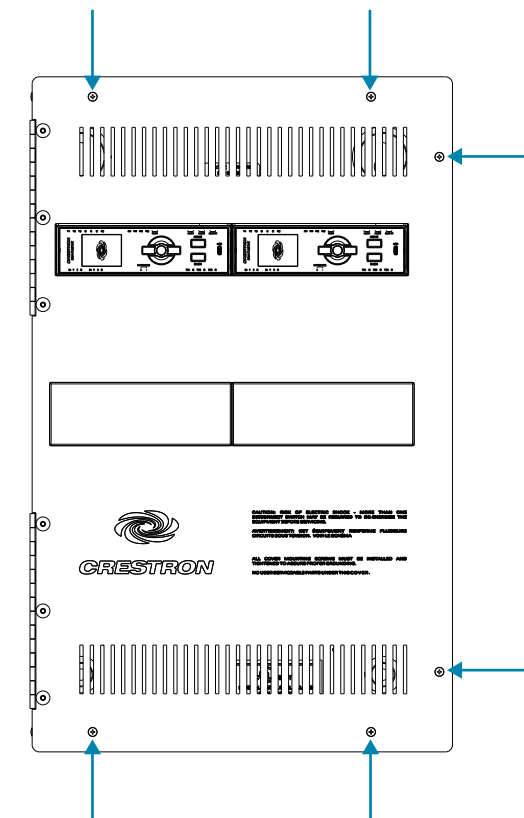
**CAUTION:** The cover screws are required for proper grounding of the cover.

DIN-EN-2X18-HC-2OPEN: 2 cover screws

DIN-EN-3X18-HC-2OPEN: 6 cover screws

DIN-EN-6X18-HC-5OPEN: 7 cover screws

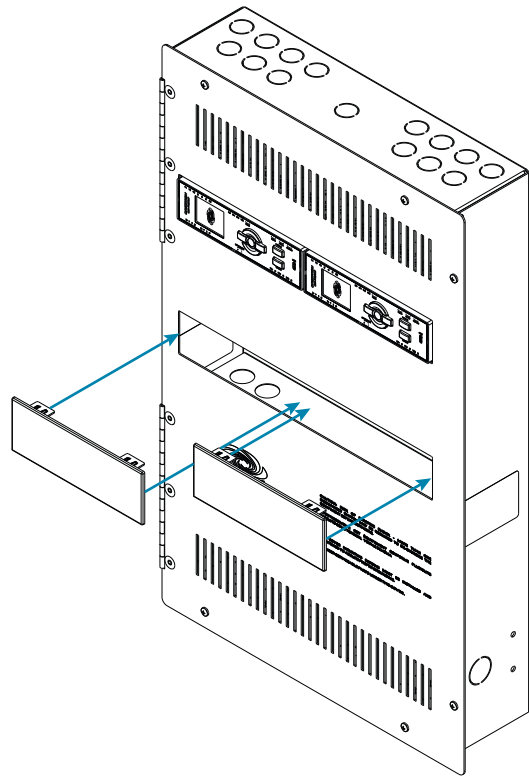
#### Cover Screw Location (DIN-EN-3X18-HC-2OPEN shown)



## Install Blank Cover Plates

If open spaces are left in the enclosure cover, install the blank cover plates. The cover plates snap into place.

Install Blank Cover Plate (DIN-EN-3X18-HC-2OPEN shown)



## Wiring Information

The raised DIN rails allow wiring to be placed behind the DIN modules in addition to along the sides of the cabinet.

### Class 1 and Class 2 Terminations

**Class 1 Terminations:** Class 1 terminations are allowed in the fire enclosure.

**Class 2 Terminations:** Class 2 terminations are allowed in the areas with cover openings.

### Fire Enclosure

The design of the DIN-EN-3X18-HC-2OPEN and DIN-EN-6X18-HC-5OPEN creates a fire enclosure which provides an installation location for line-voltage (Class 1) devices. The fire enclosure provides a barrier that maintains a separation between Class 1 device installation and wiring in the fire enclosure and Class 2 device installation and wiring in the enclosure area with the cover cutouts.

### Torque Values

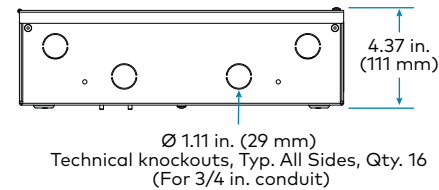
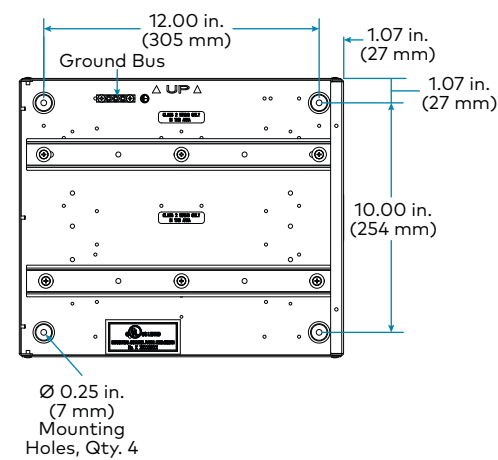
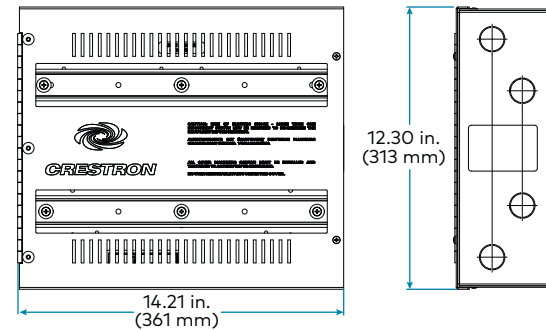
Tighten the grounding terminal blocks to the following torque values:

- 14-10 AWG wire: 35 in.-lb.
- 8 AWG wire: 40 in.-lb.
- 6-4 AWG wire: 45 in.-lb.

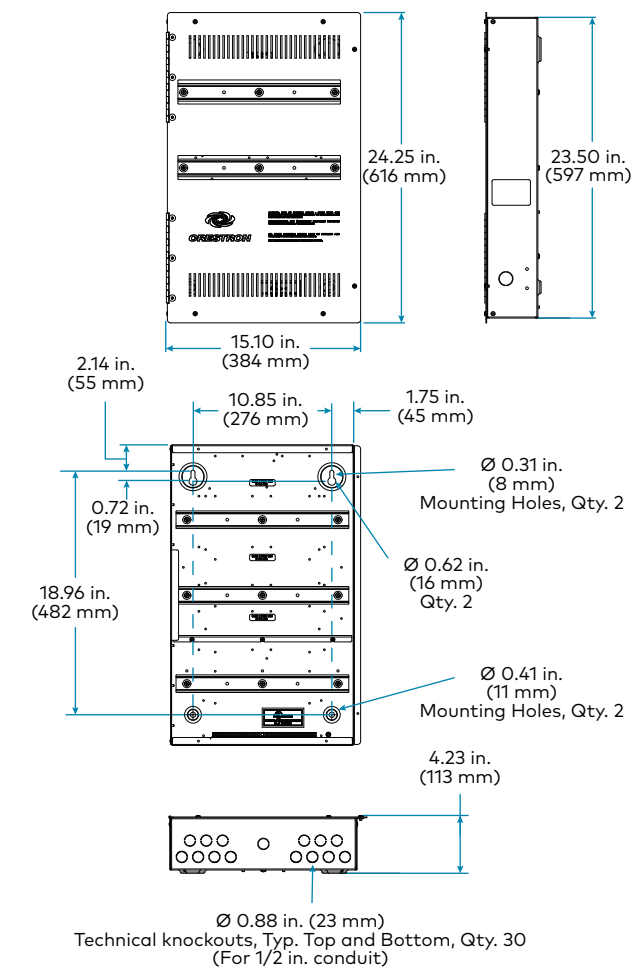
## Dimensions

**NOTE:** Cover and hinge is removed for clarity.

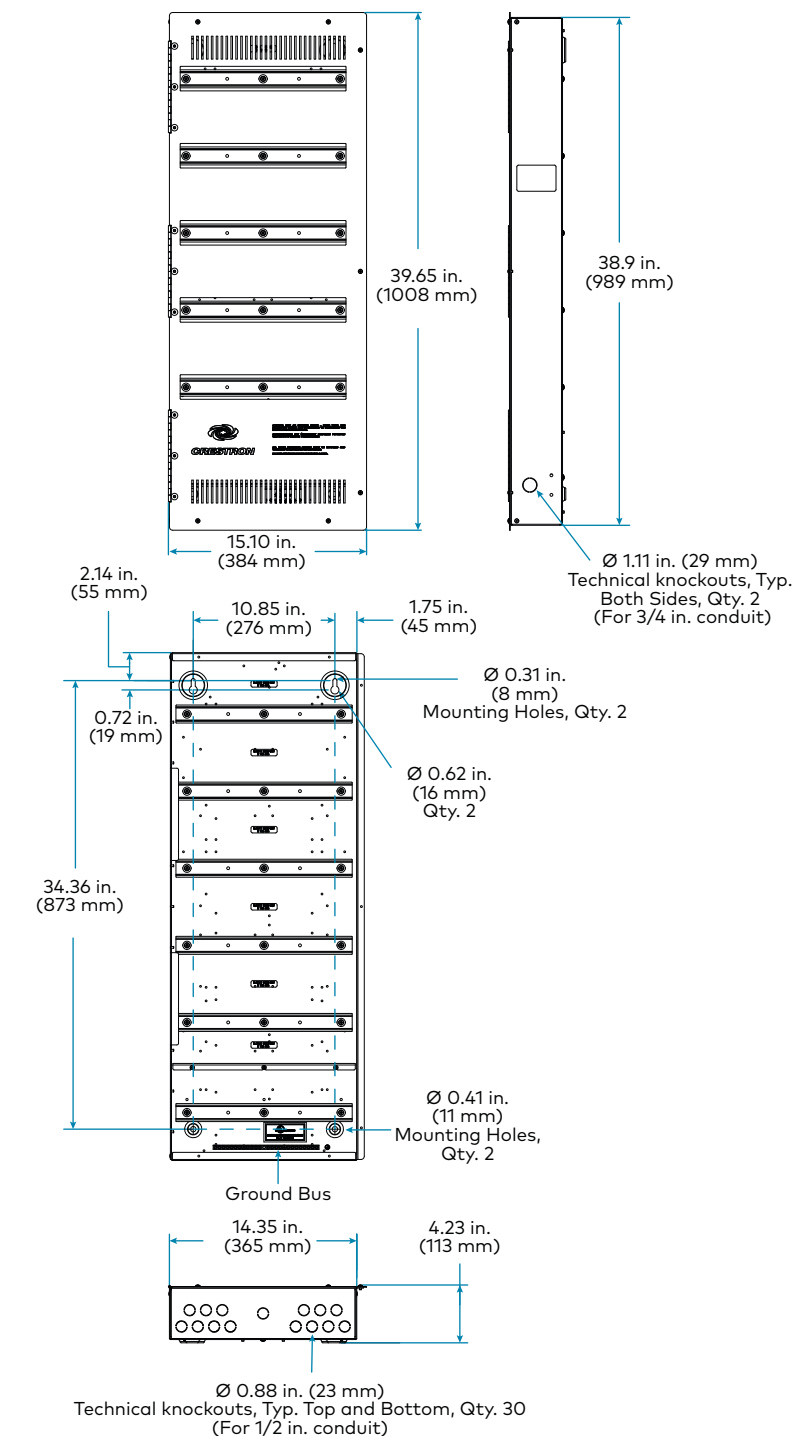
### DIN-EN-2X18-HC-2OPEN Dimensions



### DIN-EN-3X18-HC-2OPEN Dimensions



### DIN-EN-6X18-HC-5OPEN Dimensions



## Compliance and Legal

**Original Instructions:** The U.S. English version of this document is the original instructions. All other languages are a translation of the original instructions.

This product is Listed to applicable UL® Standards and requirements tested by Underwriters Laboratories Inc.

Ce produit est homologué selon les normes et les exigences UL applicables par Underwriters Laboratories Inc.



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## Additional Information

Scan or click the QR code for detailed product information.



DIN-EN-2X18-HC-2OPEN



DIN-EN-3X18-HC-2OPEN



DIN-EN-6X18-HC-5OPEN

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