

Catalog Numbers • Les Numéros de Catalogue • Los Números de Catálogo: LENCxxS, LENCxxF

Country of Origin: Made in United States • Pays d'origine: Fabriqué en États-Unis • País de origen: Hecho en Estados Unidos

All models are BAA and TAA compliant

DESCRIPTION

LENC panel enclosures are designed specifically to work with all configurations of LMCP panel interiors containing 8 to 48 relays. The enclosures are provided with integral mounting studs that are configured to accept the panel interior making the installation quick and easy. Covers are secured to the tubs with screws and have keyhole style mounting. This allows the cover to be temporarily hung on the tub during the construction phase of the project. All covers have hinged doors that expose only the low voltage (Class 2) section of the panel and are equipped with key locks and two keys each. All LENC enclosures are NEMA 1 rated.

A complete panel assembly includes:

- An enclosure
- A matching cover
- An interior with relays/contactors and a power supply.

The enclosure can be mounted early to allow conduit installation and rough-in wiring.

Covers are designed for flush mounting or surface mounting.

Enclosures rated for 24 or 48 relay capacity have space provided at the bottom for optional mounting plates (DMP) to accept DIN rail mounted accessories such as multi-pole contactors and ELCU-100 Emergency Lighting Control Units. Standard LENC24 and LENC48 enclosures will accommodate up to six four pole contactors (requires DMP mounting plate) or four ELCU-100 units (requires DMP-1EM mounting plate). LENC8-24 and LENC24-48 enclosures have additional space provided and will accommodate up to twelve four pole contactors (requires DMP-2 mounting plate) or 12 ELCU-100 units (requires DMP-3EM mounting plate).

Environment

- Mount in indoor area
- 32° to 131°F (0° to 50°C)
- 10 to 95% relative humidity, non-condensing
- 15 volts/meter, 10 KHz to 2 GHz maximum RFI



LENC MODELS AND ACCESSORIES

Catalog #	Description
LENC8S	8 relay capacity, surface mount
LENC8F	8 relay capacity, flush mount
LENC8-24S	8 relay capacity with 24 size tub, surface mount
LENC24S	24 relay capacity, surface mount
LENC24F	24 relay capacity, flush mount
LENC24-48S	24 relay capacity with 48 size tub, surface mount
LENC48S	48 relay capacity, surface mount
LENC48F	48 relay capacity, flush mount
DMP	Mounting Plate, one DIN rail for up to 6 contactors
DMP-2	Mounting Plate, one DIN rail for up to 12 contactors
DMP-1EM	Mounting Plate, one DIN rail with barrier for up to 4 ELCU-100s
DMP-3EM	Mounting Plate, three DIN rails with barrier for up to 12 ELCU-100s



WARNING: MAKE SURE ALL POWER IS OFF BEFORE WIRING. DO NOT ENERGIZE WIRING UNTIL THE UNIT IS FULLY ASSEMBLED. CONFORM TO ALL APPLICABLE BUILDING AND ELECTRICAL CODES WHEN MOUNTING THE ENCLOSURE.



MOUNTING AND INSTALLATION

Dimensions are shown on the following page. Be sure to allow adequate surface spacing for the covers.

Step 1 Mount the Enclosure

1. The enclosure should be level, plumb and rigidly installed with hardware sufficient to hold 100 lbs. (46 kg) minimum. The product label should be in an upright, readable position.
2. Determine the appropriate wire entry locations. Make sure that all line and low voltage wiring entry locations are confined to the appropriate compartments as shown in the diagram below.
3. Drill or knock out openings to bring wiring conduit into the enclosure. See the drawing below for details on 0-10V and network wiring.

Multiple panels:

- **For surface mounting:** Allow a minimum of 0.25" between adjacent enclosures for shoebox cover clearance.
- **For flush mounting:** The front flange should be flush with the finished wall surface. Allow a minimum of 1.75" between adjacent enclosures for butt alignment of flush covers.

Step 2 Install the Interior

Do not install the interior assembly until after the LMCP enclosure has been securely mounted to the wall and the conduit/wiring holes have been drilled or knocked out.

NOTE: If this enclosure includes the optional DMP-1 Din Rail Mounting Plate (to allow for installation of EM-IN Emergency Interior contactors), place DMP Plate over lower studs before installing the interior.

1. Place the interior in the enclosure and align the interior with the studs provided in the enclosure.
2. Attach the interior assembly to the back of the enclosure using the four sets of nuts and washers provided.

Step 3 Cover Installation

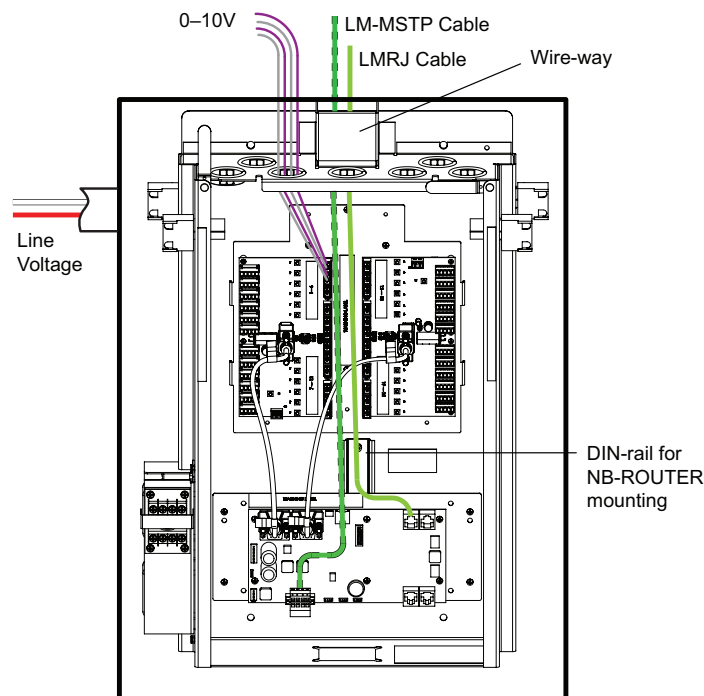
1. Drive the supplied cover mounting screws into the threaded holes until approximately 3/8" of the thread is still exposed.
2. Hang the cover on the screws by aligning the screw heads with the keyholes.
3. Tighten the screws to complete the installation.
4. Insert completed relay and circuit schedules and the Lighting Control Panel Interior Instructions in the plastic sleeve affixed to the inside of the cover to complete the panel installation.

WARNING: DO NOT INSTALL OR REMOVE COVER WITH POWER APPLIED TO THE LIGHTING CONTROL PANEL. DANGER OF ELECTRIC SHOCK.

See the LMCP Installation Instructions for details on connecting the power supply and connecting the loads and line voltage to the relays.

0-10V AND NETWORK WIRING

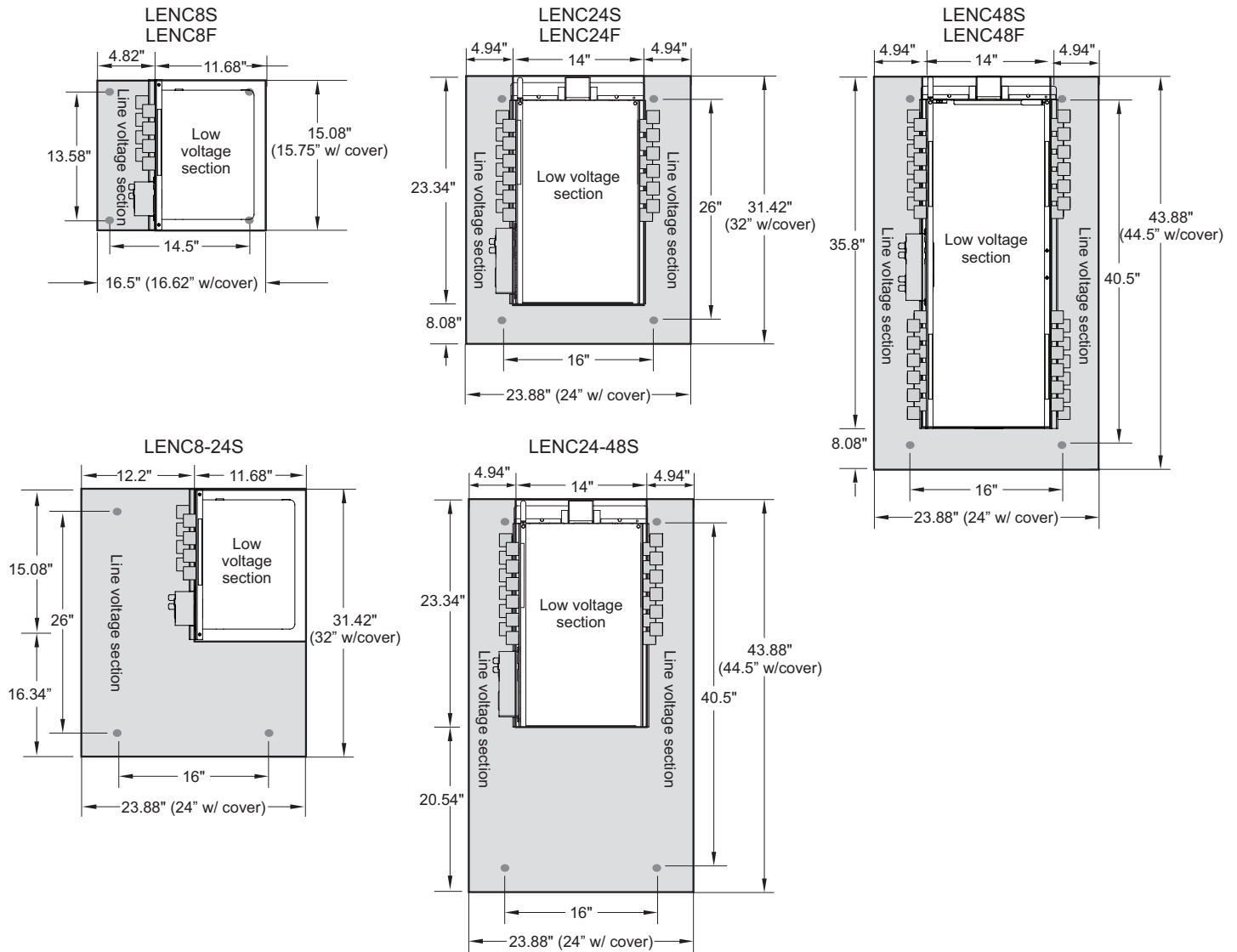
The Class 2 wire-way at the top of the LMCP panel is designed to provide separation between Class 1 wiring and BACnet/IRB network wiring. All 0-10V wires must originate as Class 2 or be reclassified. The 0-10V wires are routed through multiple 1.5" openings with grommets in the top of the Class 1/Class 2 barrier. The BACnet/IRB wires are routed through the wire-way.



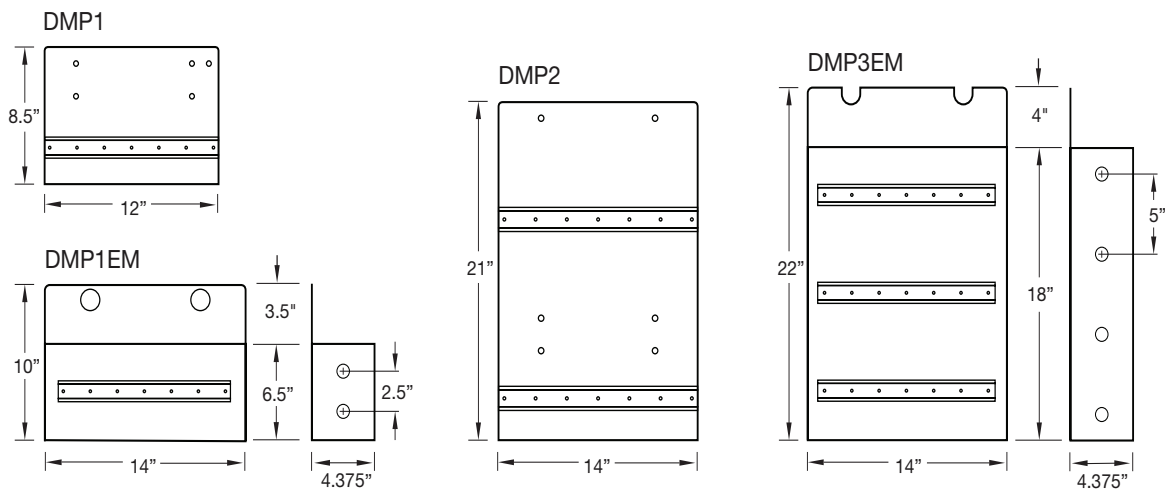
DIMENSIONS

Depth for all models 4.5", with cover attached 4.67".

NOTE: For **flush mount enclosures**, add 1.35" to height and 1.85" to width.



DIN RAIL MOUNTING OPTIONS



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