

EPL-AEL-4.10.7-N4X

Explosion Proof Enclosure - Class I, II, III - Bolted, Surface Mount - N4X

Product ID: 265728



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

EPL-AEL-4.10.7-N4X Explosion Proof Enclosure

Listing: NRTL Listed for United States, Canada

Internal Dimensions: 4.25" x 9.18" x 6.93"

External Dimensions: 8.31" x 13.06" x 7.81"

Pan Dimensions: -

Available Dimensions for Devices: -

Weight: 24 lbs

Maximum Conduit Size: 1.5"

Maximum Operators on Lid: 4

Total Hub Quantity: 0

Lid (Top) Hubs: 0

North Side Hubs: 0

South Side Hubs: 0

East Side Hubs: 0

West Side Hubs: 0

Bottom (Back/Base) Hubs: 0

Conduit: Operator Provided

Operating Window: N/A

Hinges Included: No

Hinges Material: N/A

Internal Mounting Pan Included: N/A

Internal Mounting Pan Taps: N/A

Internal Mounting Pan Material: N/A

Internal Mounting Pan Dimensions: N/A

Internal Grounding Lug: N/A

Breather Plug: N/A

Drain Plug: N/A

Features/Ratings

Listed for NEC and CEC

Class I, Divisions 1 & 2, Groups B, C, D

Class I, Zones 1 & 2, Groups IIB+H2, IIA

Class II, Divisions 1 & 2, Groups E, F, G

Class III, Divisions 1 & 2

Type 3, 4, 4X

Suggested Operator Series: Long
Ambient Operating Temp Range: -
Operating Temp Rating: -
Enclosure Material: Copper Free Cast Aluminum (less than 4/10 of 1%)
Hardware Material: 316 Stainless Steel
Enclosure Finish: Powder Polyester Painted Exterior, Electrostatically Applied
Mounting: Surface Mount Lugs
Mounting Leg Height: -
Mounting Dimensions Height: 7.5"
Mounting Dimensions Width: 6.38"
Shipping Weight: -
Shipping Dimensions: -

All grounding shall comply with state and local codes and meet the minimum requirements of the National Electronic Code section 250

Special Orders- Requirements

Contact us for special requirements

Phone: 1-214-616-6180

Toll Free: 1-800-369-6671

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

The EPL-AEL-4.10.7-N4X from Larson Electronics is an Explosion Proof Enclosure that provides operation with a Class I and II, Divisions 1 and 2 cast aluminum enclosure designed to hold electrical equipment to 4.25" by 6.93" by 9.18" in size. This explosion proof enclosure is ideal for indoor or outdoor applications where flammable vapors, gases, or dusts exist or stand the potential to exist.

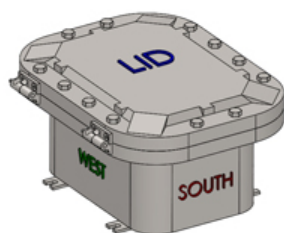
PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO EXPLOSION PROOF ENCLOSURES

The EPL-AEL-4.10.7-N4X explosion proof enclosure is made of cast aluminum, equipped with stainless steel bolts. The hazardous location device enclosure box is NEMA 3, 4 and 4X rated. The internal cavity of this flameproof enclosure measures 4.25" in length by 6.93" in width by 9.18" in height.

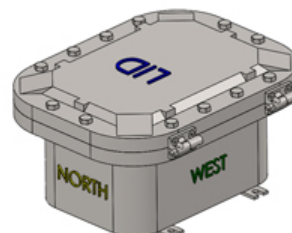
The EPL-AEL-4.10.7-N4X explosion proof enclosure has a maximum input/output conduit size of 1 1/2" NPT. The enclosure does not come with conduit hubs. Customized conduit taps can be factory drilled using Larson Electronics CNC machines at an additional cost. The lid of the enclosure allows for a maximum of 4 extended operator devices (switches, push buttons, indicator lights, etc.) in a single row configuration. Customized boxes with selected options can be factory installed at customer's request.

This explosion proof enclosure is designed to house a wide range of compact electronics, control stations, meter relays, starters, circuit breakers, terminal blocks and industrial equipment, for safe use in combustible work sites. Other applications include systems requiring junction, pull and/or splice boxes.

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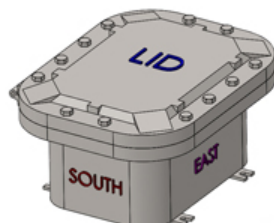


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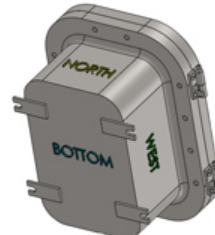


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Larson Electronics can customize each unit with drilled and tapped operator hubs and/or conduit hubs per customer request. Please view the above and below images for orientation. When looking at the top cover (labeled Lid), all four sides are labeled for the orientation when looking at the Lid. All hubs are CNC machined for precision. Please see below specifications table for included taps and dimensional drawing for exact locations.



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Construction: Each unit in the series is certified to NEC standards for United States and CEC Canada. We offer an ATEX/IEC Ex model for global applications (ATEX-EPL-AEB series). These explosion proof enclosures are NEMA 3 rated, for indoor and outdoor use and provide a degree of protection against dirt, water, and ice. NEMA 4X equipment

can be equipped upon request. NEMA 4X models include all stainless steel external hardware. Operator lid hinge can be fitted on the enclosure for regular opening and closing. Breather plugs, drain plugs, and grounding lugs can be added at customer request.

Customization: Larson Electronics can customize this explosion proof enclosure for compatibility with existing systems, assemblies, work flows and processes or assist in designing units for new installation. We can add indicator lights, windows, hinges, operator handles, push button switches, momentary push button switches, emergency stop buttons, selector switches, on/off switches, terminal blocks, relays, PLCs, mounting pans and more. Custom labels are also available for each operator in order to meet various requirements.

Unless otherwise specified in the specification tables and drawing, each unit comes without factory conduit hubs. Conduit openings can be tapped on all sides and back of the explosion proof enclosure. Tapping of conduit hubs is facilitated at Larson Electronics using a CNC machine for precise cutting. Larson Electronics offers customization of conduit opening size and locations. Taps include female NPT (National Pipe Thread), female BSPT (British Standard Thread), and Metric ISO thread. Please contact us for specific requirements. Additional equipment can be provided from factory, including nipples, unions, seal-offs, and operator devices.

Suggested Applications: This series of explosion proof enclosures are approved for use within indoor and outdoor environments where flammable or combustible gases, vapors, dusts, fibers, and flying exist or stand the potential to exist, and is ideal for a wide variety of applications.

Applications include but not limited to aircraft maintenance, alcohol processing, aerospace, chemical manufacturing, coke processing, cold storage, compressed natural gas (CNG) facilities, cranes, cryogenics, distilleries, food processing, fuel storage, gas processing plants, grain processing, laboratories, liquefied natural gas (LNG) facilities, liquid petroleum gas (LPG), machine operations, manufacturing, marine vessels, methane production, mining, offshore, oil drilling, oil refineries, paint spray booths, paper processing, petrochemical, petroleum refineries, pharmaceuticals, power plants, production refineries, sand blast cabinets, sewage and septic tanks, shipyards, solvent and cleaning areas, storage facilities, tank farms, tankers, textile, washdown areas, waste treatment plants, and woodworking. [Click to read the NEC description for explosion proof and hazardous locations.](#)

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet specific industry needs.

Frequently Asked Questions (FAQ)