

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



**EPL-AED-1X-MOD9581 Explosion Proof Device Box Instrument Enclosure -  
Class I, II, III Div 1 & 2 - Aluminum**

**Device Type:** Explosion Proof Instrument Enclosure

**External Dimensions:** 4-17/32"H x 6-1/8"W

**Internal Dimensions:** 3-3/32"H x 4-1/4"ID

**Internal Volume:** 31 cu. in.

**Weight:** 3 lbs

**Cover Material:** Copper-free Aluminum Alloy

**Allen Head Cover Screw Material:** Cadmium Plated Steel

**Sealing Gasket:** Neoprene O-ring

**Ground Screw Material:** Zinc Plated Steel w/ Green Dye

**Enclosure Finish:** Silver Powder Epoxy Paint, Electrostatically Applied

**Internal Mounting:** (4) 4mm Tapped Mounting Holes Inside Enclosure

**Cast-in Mounting Pad Configuration:** X

**Design:** Single Cover Box Only

**Wiring Hubs:** Offset Feed-thru (3/4" NPT)

**Ratings/Approvals**

Listed for United States, Canada, Europe, Asia

Class I, Div. 1 & 2, Groups B, C, D

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

Class II, Div. 1 & 2, Groups E, F, G

Class III, Div. 1 & 2

NEMA Type 3, 4, 4X, 7 (B,C,D), 9 (E,F,G)

ATEX Ex II 2 G / D

IECEX db IIC Gb

IECEX tb IIC Db IP66

**Special Orders- Requirements**

Contact us for special requirements

**Toll Free:** 1-800-369-6671

**Intl:** 1-903-270-1187

**E-mail:** [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com)

**The EPL-AED-1X-MOD9581 from Larson Electronics is an Explosion Proof Device Box Instrument Enclosure that houses compact instruments or devices used in hazardous locations, confined spaces and industrial facilities. The EPL-AED-1X-MOD9581 is 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 and Class III Divisions 1 & 2 rated for hazardous areas and is listed for use worldwide including the United States, Canada, Europe and Asia. This explosion proof instrument enclosure may be used to comply with domestic and international code requirements, while providing protection for operators and nearby workers. Four 4mm tapped mounting holes are located inside the enclosure to mount operator provided equipment.**

The EPL-AED-1X-MOD9581 offers protection from explosive hazards and ignitions, dust, harsh weather and rough treatment (tampering). This unit is cast from a copper-free aluminum alloy for durability. Neoprene O-rings are provided with the enclosure to assure water resistance in NEMA 4/IP66 conditions. For maximum use of interior space, the explosion proof device box comes with offset feed-thru conduit openings (3/4" NPT). An internal ground screw is conveniently located away from the mounting components. The enclosure is finished with silver powder epoxy paint (electrostatically applied).

A special "X" configured cast-in mounting pad is available for flexibility during application. There is also a cast on side boss for optional machining, external

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mounting lugs on cover for seamless removal and tightening and an optional external ground screw. The ground screws are made out of zinc plated steel with green dye, while the allen head cover screw is constructed of cadmium plated steel. Four 4mm tapped mounting holes are located inside the enclosure, allowing operators to securely mount their own equipment easily. The explosion proof device box is rated NEMA Type 3, 4, 4X, 7 (B,C,D) and 9 (E,F,G) and designed to withstand the rigors of demanding environmental and operating conditions while remaining robust and easy to use.

**Applications:** Flow measurement devices, temperature monitors, two-wire transmitters, gas detectors, Ph analyzers, pressure gauges, level detectors, H2S monitors, transducers, pressure switches and other compact industrial instruments/devices.

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](mailto:sales@larsonelectronics.com) for more information about our custom options tailored to meet your specific industry needs.

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## Frequently Asked Questions (FAQ)

**Warranty:** 12 Months

Links (Click on the below items to view):

- [ISO 9001 Certification](#)
- [Business Certificate](#)