

EPL-AEB-10.6.6

Explosion Proof Enclosure, C1D1, 10" x 6" x 6" Internal Dims, Surface Mount, N3R

Product ID: 305445



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-AEB-10.6.6 Explosion Proof Enclosure

Listing: United States, Canada

Internal Dimensions: 10" L x 6" W x 6" H

External Dimensions: -

Pan Dimensions: -

Available Dimensions for Devices: -

Weight: -

Maximum Conduit Size: -

Maximum Operators on Lid: -

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

Suggested Operator Series: Extended Length

Ambient Operating Temp Range: -30Å° C to +85Å° C

Operating Temp Rating: T5/T6 Rated

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

NEMA 3R, 4, 7, 9

UL 886 Certified

UL 698 Certified

UL 1203 Certified

CSA C22.2 No 30 Certified

**Conduit seals required within 18" for Group B applications

Replacement Internal Mounting Pan: %PAN%

Enclosure Material: Copper Free Cast Aluminum (less than 4/10 of 1%)

Hardware Material: Zinc Plated Steel

Enclosure Finish: Aluminum Lacquer Paint; Custom Available

Mounting: Surface Mount Legs

Mounting Leg Height: 0.25"

Mounting Dimensions Height: -

Mounting Dimensions Width: -

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 - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-214-616-6180

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

The EPL-AEB-10.6.6 from Larson Electronics is an Explosion Proof Enclosure that provides operators with a Class I and II, Divisions 1 and 2 cast aluminum enclosure designed to hold electrical equipment up to 10" by 6" by 6" 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.

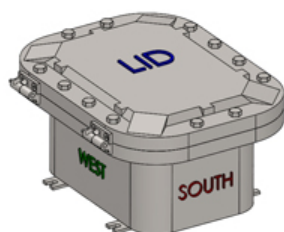
PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO EXPLOSION PROOF ENCLOSURES

The EPL-AEB-10.6.6 explosion proof enclosure is made of cast aluminum, equipped with steel bolts and includes a weatherproof gasket for a NEMA 3R / NEMA 4 protection rating. This hazardous location device enclosure box is NEMA 7 (Groups B, C, and D) and NEMA 9 (Groups E, F, and G) rated. The internal cavity of this flameproof enclosure measures 10" in length by 6" in width by 6" in height. A backplate is available for this unit at an extra cost.

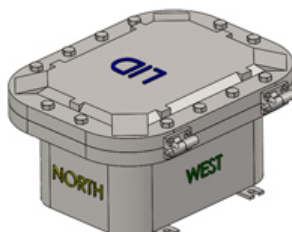
The EPL-AEB-10.6.6 explosion proof enclosure has a maximum input/output conduit size of 5" NPT. The enclosure does not come with conduit hubs. Customized conduit taps can be factory drilled using Larson Electronics CNC machines at an additional cost. The lid of the enclosure allows for a maximum of 63 Extended operator devices (switches, push buttons, indicator lights, etc) in a configuration of 9 rows of 7. Customized boxes with selected operators can be factory installed at customer's request.

This explosion proof enclosure is designed to house a wide range of compact electronics, control stations, meters, 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.

[Click Photos to Enlarge](#)

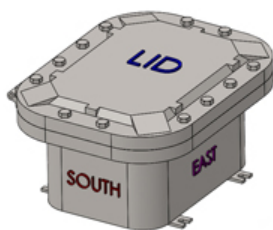


[Click To Enlarge](#)

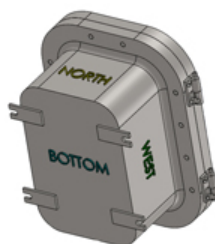


[Click To Enlarge](#)

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.



[Click To Enlarge](#)



[Click To Enlarge](#)

Construction: Each unit in the EPL-AEB 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 3R 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 hinges 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 push buttons, selector switches, on/off switches, terminal blocks, relays, PLCs, mounting pans and more. Customized 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 hub taps. 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 on conduit opening size and locations. Taps include female NPT (National Pipe Thread), female BSPT (British Standard Pipe 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: The EPL-AEB 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 propane gas (LPG), machine operations, manufacturing, marine vessels, methane production, mining, offshore, oil drilling rigs, 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 here 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 your specific industry needs.

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671



www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364







UL
Listed
UL 100
UL 100A
UL 100B
UL 100C
UL 100D
UL 100E
UL 100F
UL 100G
UL 100H
UL 100I
UL 100J
UL 100K
UL 100L
UL 100M
UL 100N
UL 100O
UL 100P
UL 100Q
UL 100R
UL 100S
UL 100T
UL 100U
UL 100V
UL 100W
UL 100X
UL 100Y
UL 100Z
UL 100AA
UL 100AB
UL 100AC
UL 100AD
UL 100AE
UL 100AF
UL 100AG
UL 100AH
UL 100AI
UL 100AJ
UL 100AK
UL 100AL
UL 100AM
UL 100AN
UL 100AO
UL 100AP
UL 100AQ
UL 100AR
UL 100AS
UL 100AT
UL 100AU
UL 100AV
UL 100AW
UL 100AX
UL 100AY
UL 100AZ
UL 100BA
UL 100BB
UL 100BC
UL 100BD
UL 100BE
UL 100BF
UL 100BG
UL 100BH
UL 100BI
UL 100BJ
UL 100BK
UL 100BL
UL 100BM
UL 100BN
UL 100BO
UL 100BP
UL 100BQ
UL 100BR
UL 100BS
UL 100BT
UL 100BU
UL 100BV
UL 100BW
UL 100BX
UL 100BY
UL 100BZ
UL 100CA
UL 100CB
UL 100CC
UL 100CD
UL 100CE
UL 100CF
UL 100CG
UL 100CH
UL 100CI
UL 100CJ
UL 100CK
UL 100CL
UL 100CM
UL 100CN
UL 100CO
UL 100CP
UL 100CQ
UL 100CR
UL 100CS
UL 100CT
UL 100CU
UL 100CV
UL 100CW
UL 100CX
UL 100CY
UL 100CZ
UL 100DA
UL 100DB
UL 100DC
UL 100DD
UL 100DE
UL 100DF
UL 100DG
UL 100DH
UL 100DI
UL 100DJ
UL 100DK
UL 100DL
UL 100DM
UL 100DN
UL 100DO
UL 100DP
UL 100DQ
UL 100DR
UL 100DS
UL 100DT
UL 100DU
UL 100DV
UL 100DW
UL 100DX
UL 100DY
UL 100DZ
UL 100EA
UL 100EB
UL 100EC
UL 100ED
UL 100EE
UL 100EF
UL 100EG
UL 100EH
UL 100EI
UL 100EJ
UL 100EK
UL 100EL
UL 100EM
UL 100EN
UL 100EO
UL 100EP
UL 100EQ
UL 100ER
UL 100ES
UL 100ET
UL 100EU
UL 100EV
UL 100EW
UL 100EX
UL 100EY
UL 100EZ
UL 100FA
UL 100FB
UL 100FC
UL 100FD
UL 100FE
UL 100FF
UL 100FG
UL 100FH
UL 100FI
UL 100FJ
UL 100FK
UL 100FL
UL 100FM
UL 100FN
UL 100FO
UL 100FP
UL 100FQ
UL 100FR
UL 100FS
UL 100FT
UL 100FU
UL 100FV
UL 100FW
UL 100FX
UL 100FY
UL 100FZ
UL 100GA
UL 100GB
UL 100GC
UL 100GD
UL 100GE
UL 100GF
UL 100GG
UL 100GH
UL 100GI
UL 100GJ
UL 100GK
UL 100GL
UL 100GM
UL 100GN
UL 100GO
UL 100GP
UL 100GQ
UL 100GR
UL 100GS
UL 100GT
UL 100GU
UL 100GV
UL 100GW
UL 100GX
UL 100GY
UL 100GZ
UL 100HA
UL 100HB
UL 100HC
UL 100HD
UL 100HE
UL 100HF
UL 100HG
UL 100HH
UL 100HI
UL 100HJ
UL 100HK
UL 100HL
UL 100HM
UL 100HN
UL 100HO
UL 100HP
UL 100HQ
UL 100HR
UL 100HS
UL 100HT
UL 100HU
UL 100HV
UL 100HW
UL 100HX
UL 100HY
UL 100HZ
UL 100IA
UL 100IB
UL 100IC
UL 100ID
UL 100IE
UL 100IF
UL 100IG
UL 100IH
UL 100II
UL 100IJ
UL 100IK
UL 100IL
UL 100IM
UL 100IN
UL 100IO
UL 100IP
UL 100IQ
UL 100IR
UL 100IS
UL 100IT
UL 100IU
UL 100IV
UL 100IW
UL 100IX
UL 100IY
UL 100IZ
UL 100JA
UL 100JB
UL 100JC
UL 100JD
UL 100JE
UL 100JF
UL 100JG
UL 100JH
UL 100JI
UL 100JJ
UL 100JK
UL 100JL
UL 100JM
UL 100JN
UL 100JO
UL 100JP
UL 100JQ
UL 100JR
UL 100JS
UL 100JT
UL 100JU
UL 100JV
UL 100JW
UL 100JX
UL 100JY
UL 100JZ
UL 100KA
UL 100KB
UL 100KC
UL 100KD
UL 100KE
UL 100KF
UL 100KG
UL 100KH
UL 100KI
UL 100KJ
UL 100KK
UL 100KL
UL 100KM
UL 100KN
UL 100KO
UL 100KP
UL 100KQ
UL 100KR
UL 100KS
UL 100KT
UL 100KU
UL 100KV
UL 100KW
UL 100KX
UL 100KY
UL 100KZ
UL 100LA
UL 100LB
UL 100LC
UL 100LD
UL 100LE
UL 100LF
UL 100LG
UL 100LH
UL 100LI
UL 100LJ
UL 100LK
UL 100LL
UL 100LM
UL 100LN
UL 100LO
UL 100LP
UL 100LQ
UL 100LR
UL 100LS
UL 100LT
UL 100LU
UL 100LV
UL 100LW
UL 100LX
UL 100LY
UL 100LZ
UL 100MA
UL 100MB
UL 100MC
UL 100MD
UL 100ME
UL 100MF
UL 100MG
UL 100MH
UL 100MI
UL 100MJ
UL 100MK
UL 100ML
UL 100MN
UL 100MO
UL 100MP
UL 100MQ
UL 100MR
UL 100MS
UL 100MT
UL 100MU
UL 100MV
UL 100MW
UL 100MX
UL 100MY
UL 100MZ
UL 100NA
UL 100NB
UL 100NC
UL 100ND
UL 100NE
UL 100NF
UL 100NG
UL 100NH
UL 100NI
UL 100NJ
UL 100NK
UL 100NL
UL 100NM
UL 100NN
UL 100NO
UL 100NP
UL 100NQ
UL 100NR
UL 100NS
UL 100NT
UL 100NU
UL 100NV
UL 100NW
UL 100NX
UL 100NY
UL 100NZ
UL 100OA
UL 100OB
UL 100OC
UL 100OD
UL 100OE
UL 100OF
UL 100OG
UL 100OH
UL 100OI
UL 100OJ
UL 100OK
UL 100OL
UL 100OM
UL 100ON
UL 100OO
UL 100OP
UL 100OQ
UL 100OR
UL 100OS
UL 100OT
UL 100OU
UL 100OV
UL 100OW
UL 100OX
UL 100OY
UL 100OZ
UL 100PA
UL 100PB
UL 100PC
UL 100PD
UL 100PE
UL 100PF
UL 100PG
UL 100PH
UL 100PI
UL 100PJ
UL 100PK
UL 100PL
UL 100PM
UL 100PN
UL 100PO
UL 100PP
UL 100PQ
UL 100PR
UL 100PS
UL 100PT
UL 100PU
UL 100PV
UL 100PW
UL 100PX
UL 100PY
UL 100PZ
UL 100QA
UL 100QB
UL 100QC
UL 100QD
UL 100QE
UL 100QF
UL 100QG
UL 100QH
UL 100QI
UL 100QJ
UL 100QK
UL 100QL
UL 100QM
UL 100QN
UL 100QO
UL 100QP
UL 100QQ
UL 100QR
UL 100QS
UL 100QT
UL 100QU
UL 100QV
UL 100QW
UL 100QX
UL 100QY
UL 100QZ
UL 100RA
UL 100RB
UL 100RC
UL 100RD
UL 100RE
UL 100RF
UL 100RG
UL 100RH
UL 100RI
UL 100RJ
UL 100RK
UL 100RL
UL 100RM
UL 100RN
UL 100RO
UL 100RP
UL 100RQ
UL 100RR
UL 100RS
UL 100RT
UL 100RU
UL 100RV
UL 100RW
UL 100RX
UL 100RY
UL 100RZ
UL 100SA
UL 100SB
UL 100SC
UL 100SD
UL 100SE
UL 100SF
UL 100SG
UL 100SH
UL 100SI
UL 100SJ
UL 100SK
UL 100SL
UL 100SM
UL 100SN
UL 100SO
UL 100SP
UL 100SQ
UL 100SR
UL 100SS
UL 100ST
UL 100SU
UL 100SV
UL 100SW
UL 100SX
UL 100SY
UL 100SZ
UL 100TA
UL 100TB
UL 100TC
UL 100TD
UL 100TE
UL 100TF
UL 100TG
UL 100TH
UL 100TI
UL 100TJ
UL 100TK
UL 100TL
UL 100TM
UL 100TN
UL 100TO
UL 100TP
UL 100TQ
UL 100TR
UL 100TS
UL 100TT
UL 100TU
UL 100TV
UL 100TW
UL 100TX
UL 100TY
UL 100TZ
UL 100UA
UL 100UB
UL 100UC
UL 100UD
UL 100UE
UL 100UF
UL 100UG
UL 100UH
UL 100UI
UL 100UJ
UL 100UK
UL 100UL
UL 100UM
UL 100UN
UL 100UO
UL 100UP
UL 100UQ
UL 100UR
UL 100US
UL 100UT
UL 100UU
UL 100UV
UL 100UW
UL 100UX
UL 100UY
UL 100UZ
UL 100VA
UL 100VB
UL 100VC
UL 100VD
UL 100VE
UL 100VF
UL 100VG
UL 100VH
UL 100VI
UL 100VJ
UL 100VK
UL 100VL
UL 100VM
UL 100VN
UL 100VO
UL 100VP
UL 100VQ
UL 100VR
UL 100VS
UL 100VT
UL 100VU
UL 100VV
UL 100VW
UL 100VX
UL 100VY
UL 100VZ
UL 100WA
UL 100WB
UL 100WC
UL 100WD
UL 100WE
UL 100WF
UL 100WG
UL 100WH
UL 100WI
UL 100WJ
UL 100WK
UL 100WL
UL 100WM
UL 100WN
UL 100WO
UL 100WP
UL 100WQ
UL 100WR
UL 100WS
UL 100WT
UL 100WU
UL 100WV
UL 100WW
UL 100WX
UL 100WY
UL 100WZ
UL 100XA
UL 100XB
UL 100XC
UL 100XD
UL 100XE
UL 100XF
UL 100XG
UL 100XH
UL 100XI
UL 100XJ
UL 100XK
UL 100XL
UL 100XM
UL 100XN
UL 100XO
UL 100XP
UL 100XQ
UL 100XR
UL 100XS
UL 100XT
UL 100XU
UL 100XV
UL 100XW
UL 100XX
UL 100XY
UL 100XZ
UL 100YA
UL 100YB
UL 100YC
UL 100YD
UL 100YE
UL 100YF
UL 100YG
UL 100YH
UL 100YI
UL 100YJ
UL 100YK
UL 100YL
UL 100YM
UL 100YN
UL 100YO
UL 100YP
UL 100YQ
UL 100YR
UL 100YS
UL 100YT
UL 100YU
UL 100YV
UL 100YW
UL 100YX
UL 100YY
UL 100YZ
UL 100ZA
UL 100ZB
UL 100ZC
UL 100ZD
UL 100ZE
UL 100ZF
UL 100ZG
UL 100ZH
UL 100ZI
UL 100ZJ
UL 100ZK
UL 100ZL
UL 100ZM
UL 100ZN
UL 100ZO
UL 100ZP
UL 100ZQ
UL 100ZR
UL 100ZS
UL 100ZT
UL 100ZU
UL 100ZV
UL 100ZW
UL 100ZX
UL 100ZY
UL 100ZZ

EPL-AEB-10.10.6

Exposed Metal Enclosure
17 1/2" x 17 1/2" Internal Dimensions
Case 1 Division 1
Case 2 Division 1
Gasket Mount

Linear Electronics, LLC
1-800-368-6671



Linear Electronics
1-800-368-6671
sales@linear-electronics.com



Frequently Asked Questions (FAQ)