FEATUERS-SPECIFICATIONS

Applications
- Locations made hazardous due to the presence of flammable gases or vapors, combustible dust, or easily ignitable fibers and flyings, and areas which are subject to corrosion, weather and dampness
- Petroleum Refineries, Chemical and Petrochemical plants with indoor and outdoor processes
- Applications requiring junction, pull and/or splices boxes
- Enclosure to house control stations, meters, relays, starters, circuit breakers, terminal blocks and other equipment or devices

Features
- Copper-Free Cast Aluminum Construction. High strength, lighter in weight, corrosion resistant
- Fewer Cover Bolts. Computer-aided design lessens the number of cover bolts by eliminating corner bolts. Reduces installation and maintenance time
- Gasketed Flange. Nitrile (BUNA-N) “O” ring gasket is located inside bolt circle to prevent water seeping into enclosure
- Ductile Mounting Lugs. Lugs are made of ductile aluminum alloy to adjust to irregular mounting surfaces without damaging enclosure. Enclosure size 8x12x6 and larger furnished with bi-directional mounting lugs which may be positioned either vertically or horizontally to facilitate mounting
- Hinges. All enclosure sizes 8x12x6 and larger are supplied as standard with hinges mounted on the left side. Smaller enclosures are drilled for field installation of two Killark HINGE-9 assemblies or can be installed at factory by adding SU2 to catalog number. For hinges to be located in other positions, specify when ordering
- Recessed Flange Notches. Flanges are notched to allow for easier cover opening with prying instrument without flange damage

Enclosures are cast with wall thickness suitable for drilling and tapping of conduit openings in all sides and back of boxes. Conduit size and location information is found on dimensional chart in this section. Conduit openings can be factory or field installed

Material/Finish
- Enclosure: Copper-free aluminum (less than 4/10 of 1%)
- Hinges: Aluminum with stainless steel hardware
- Steel Cover Bolts
- Optional Mounting Pans: Sheet aluminum
- Optional Windows: Tempered soda lime glass
- Aluminum Lacquer Paint Finish Standard

Global applications (ATEX/IEC Ex) Enclosures are available for global applications with “CEN” suffix. Assemblies that are modified to ATEX IEC Ex standards maintain their North American certifications.

Enclosures are available blank or with factory modifications, options and accessories. See catalog pages E40-E45 for additional details

JUNCTION BOXES

ATEX / IEC Ex Certified
- #UL886 - Outlet Boxes and Fittings for use in Hazardous (Classified) Locations. File #E10514
- #UL698 & #UL1203 - Explosion Proof and Dust Ignition Proof Electrical Equipment. Files #E83969 & E12379
- #C22.2 No. 30-M1986 - Explosion Proof Enclosure for use in Class I Hazardous Locations. FILE #LR11716

II 2 GD
PTB 07 ATEX 1025U (Empty Housing)
PTB 07 ATEX 1024 (Enclosure with Controls)
IEC Ex 07.0022U
IEC Ex 07.0023

0518

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Hinges
Hinges are provided standard on EXB 6x12x4 box and on sizes 8x12x6 and larger. Smaller size EXB boxes are factory drilled for field installation of (2) HINGE-12L on left side.

For replacement hinges use HINGE-11L for enclosures size 8x12x6 through 16x24x10. HINGE-10L is for use with box size 18x24x8 and larger. (See page E41 for hinge information.)

Order Mounting pan as separate item and specify if factory or field installed.

† Maximum number of “G” series control operators permitted in cover, down + across = total. See Controls section when selecting “G” Series control operators.

Note: For Group B applications all conduit openings must be sealed within 18” of enclosures.

① Not ATEX approved
② cCSA approved

† The installation of a SU3-ATEX will void the TYPE 4-4X and IP66 ratings of enclosure.
## EXB DIMENSIONS

<table>
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<tr>
<th>EXB SERIES</th>
<th>CATALOG NUMBER</th>
<th>INTERNAL DIMENSIONS (INCHES)</th>
<th>EXTERNAL DIMENSIONS (INCHES)</th>
<th>MOUNTING DIMENSIONS (INCHES)</th>
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* Mounting lug opening 7/16" for boxes up to and including 8128 and 9/16" for boxes 10 x 10 and larger

### Full dimensional details are available on .DXF or .DWG format. See Killark web site.
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