# POLYLINE®

# POLYLINE® Polycarbonate Enclosures

## From Allied Moulded Products, Inc.

*Experts in manufacturing nonmetallic enclosures for industrial applications*

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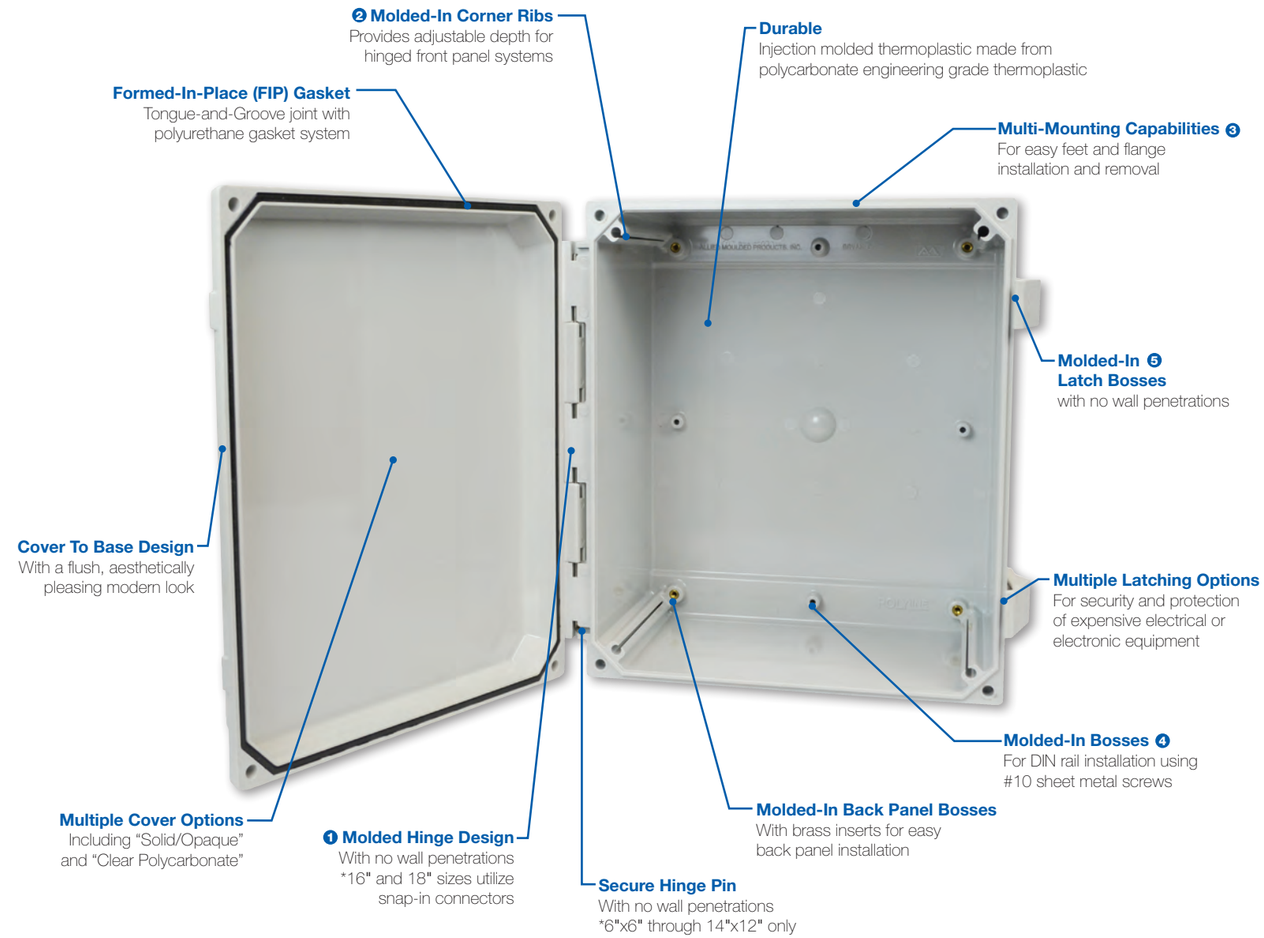
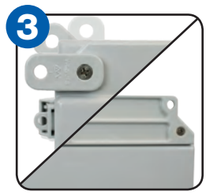
## POLYLINE® AMP Series Features & Benefits

The AMP polycarbonate series was developed primarily for general purpose industrial applications as an alternative to steel enclosures. The design of this product group is similar to the ULTRALINE® series and includes a provision for adjustable HFP (hinged front panel) position. Additional POLYLINE® options include a clear cover, nonmetallic snap latches, and patented multi-mounting capabilities. Available sizes include 6" x 6" x 4" (152mm x 152mm x 102mm) up through 18" x 16" x 10" (457mm x 406mm x 254mm).

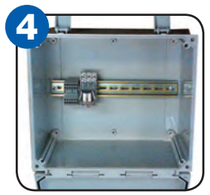


Molded Hinge Design
*New Hinge Design For 16" & 18" only

Molded-In Corner Ribs




Multi-Mounting Capabilities




Molded-In Bosses

Latch Bosses

## Summary of Product Options

| | | Cover Options | | Cover Attachment Options | | | | Mount Options | |
|---|---|---|---|---|---|---|---|---|---|
| Base Number Size | Size (inches) | Opaque Cover (none) | Clear Cover (CC) | Screw Cover (none) | Hinged Screw Cover (H) | Hinged Nonmetal Latch (NL) | Hinged Snap Latch (L) | Foot Mount (none) | Flange Mount (F) |
| AMP664 | 6x6x4 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| AMP864 | 8x6x4 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| AMP884 | 8x8x4 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| AMP1082 | 10x8x2 | ✓ | ✓ | ✓ | ✓ | N/A | ✓ | ✓ | ✓ |
| AMP1084 | 10x8x4 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| AMP1086 | 10x8x6 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| AMP1204 | 12x10x4 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| AMP1206 | 12x10x6 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| AMP1426 | 14x12x6 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| AMP1648 | 16x14x8 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| AMP1860 | 18x16x10 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

## POLYLINE® Physical Properties

| Enclosure Material Typical Properties | ASTM Test Method | Polycarbonate |
|---|---|---|
| Impact Strength (ft - lb/in) | D 256 | 12 |
| Flexural Strength (psi) | D 790 | 13,000 |
| Tensile Strength (psi) | D 638 | 9,000 |
| Compressive Strength (psi) | D 695 | 11,000 |
| Water Absorption (%) | D 570 | 0.25 |
| Specific Gravity | D 792 | 1.20 |
| Shrinkage in/in | D 955 | 0.007 |
| Hardness (Barcol-Rockwell M-Shore A) | D 2583 | 75 |
| Elongation (%) | D 638 | 7.00 |
| Dielectric Strength (kV/in) | D 149 | 732 |
| Arc Resistance (sec) | D 495 | 117 |
| Flammability | UL 94 | V-0 |
| Heat Deflection (°F at 264 psi) | D 648 | 266 |
| Service Temperature (°F) | | -31°F to 266°F |
| K Factor, Thermal Conductivity (BTU/hr/ft2/°F/in) | D1269E | 1.25 |
| Thermal Expansion ($10^{-6}$ in/in°F) | D 696 | 36 |
| UV Rating | UL 746C | (f1) |

### Certificate of Conformance to Industry Standards

POLYLINE® industrial enclosures manufactured by Allied Moulded Products, Inc. and bearing the UL® and CSA labels have been tested and certified to the following standards:

UL 50 ..... Enclosures For Electrical Equipment
UL 50E..... Enclosures For Electrical Equipment, Environmental Considerations
UL 508A..... Industrial Control Panels
UL 746C ..... Polymeric Materials – Use In electrical Equipment Evaluations
CSA-C22 No. 14..... Industrial Control Equipment
CAN/CSA-C22 No. 94 ..... Special Purpose Enclosures

AMP model sizes 14"x12"x6" and smaller, utilizing covers secured with four mounting screws are UL® and CSA listed Type 6P.

AMP series meet IEC60529 Type IP66. Models rated NEMA 6P meet IEC60529 Type IP68 submersible up to 24 hours at a depth of 6 feet (1.8meters).

Allied Moulded Products AMP Series POLYLINE® enclosures are certified:

UL types 1, 2, 3, 3R, 4, 4X, 12 and 13

CSA types 1, 2, 3, 3R, 4, 4X, 12 and 13

NEMA types 1, 2, 3, 3R, 4, 4X, 12 and 13

## General Enclosure Specifying Guidelines

| | Box Size | | | Panel Boss Centers | | | |
|---|---|---|---|---|---|---|---|
| | 304 SS | 316 SS | Painted CS | Polycarbonate | Compression FRP | Gelcoat FRP | Custom PVC |
| Cost | 4 | 5 | 1 | 2 | 3 | 4 | 4 |
| Weight | 5 | 5 | 5 | 2 | 3 | 3 | 2 |
| Impact (flex) | N/A | N/A | N/A | 4 | 3 | 3 | 2 |
| Flex Strength (rigidity) | N/A | N/A | N/A | 13,000 psi | 23,000 psi | 33,400 psi | 10,500 psi |
| MFG Process Type | Fabricated sheet | Fabricated sheet | Fabricated sheet | Injection Mold | Compression Mold | Open Mold | Fabricated Sheet |
| Size Limitst | Custom NL | Custom NL | Custom NL | up to 18" Max | up to 36" max | 36" tup to 90" | Custom NL |
| Outdoor Corrosion (rating) | NEMA 4 | NEMA 4X | NEMA 4 | NEMA 4X | NEMA 4X | NEMA 4X | NEMA 4 |

Note: Those categories containing rating numbers are based on 1 as low and 5 as high.

## Corrosion Resistance Guidelines

| | Solvents | Alkalis | Mild Acids |
|---|---|---|---|
| Examples | Cleaning Solvents<br>Carbon Tetrachloride<br>Isopropyl Alcohol<br>Perchlorethylene<br>Toluene<br>Xylene | Ammonium Chloride<br>Ammonium Nitrate<br>Calcium Hydroxide<br>Calcium Hypochlorite<br>Magnesium Hydroxide<br>Sodium Hypochlorite | Aluminum Chloride<br>Boric Acid<br>Calcium Chloride<br>Potassium Nitrate<br>Sea Water<br>Sodium Nitrate<br>Zinc Chloride |
| Recommended | 304 SS<br>316 SS<br>Compression Fiberglass<br>Aluminum | 304 SS<br>316 SS | Compression Fiberglass<br>Gelcoat Fiberglass<br>Polycarbonate<br>304 SS<br>316 SS |
| Satisfactory | Painted Carbon Steel<br>Gelcoat Fiberglass | Polycarbonate<br>Gelcoat Fiberglass<br>Compression Fiberglass | Painted Carbon Steel |
| Limited Use | Polycarbonate | Painted Carbon Steel<br>Aluminum | Aluminum |

Note: This chart is only intended to be used as a general guideline for applying "typical" metal and nonmetal enclosures in chemical environments. Allied Moulded Products, Inc. recommends specific material compatibility tests for the most accurate application of enclosures. Please contact Allied Moulded customer service for specific requirements.

# AMP Series - POLYLINE® JIC Size Junction Boxes:

## *Lift-Off Screw Cover – Solid/Opaque*

## PRODUCT INFORMATION

### Application

- Designed to insulate and protect controls and components in both indoor and outdoor applications often found in industrial control panels, pump controls/ waste water treatment, irrigation/water control, solar/wind, and chemical plants
- Light weight, impact resistant and good corrosion resistance for many industrial enclosure applications and a great alternative to metallic enclosures
- Protects from dirt, dust, and water

### Standards

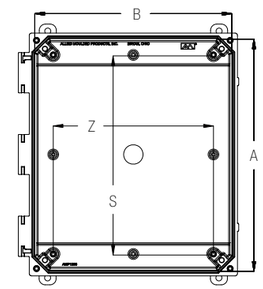
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6" x 6" up through 14" x 12"), 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6" x 6" up through 14" x 12"), 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6" x 6" up through 14" x 12") 12 and 13
  - IEC 60529 Type IP68 submersible up to 24 hours at a depth of 6 feet (1.8 meters)
- RoHS directive

### Construction

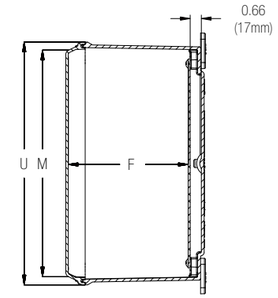
- Injection molded polycarbonate thermoplastic – opaque cover, enclosure base, feet and flanges
- Enclosure base, feet, and flanges – Light gray color (RAL 7035)
  Note: flanged models are pre-assembled, foot models mounting hardware supplied in a bag
- Stainless steel captive cover screws and foot/flange mounting hardware
- Cover seal – Formed-In-Place (FIP) polyurethane gasket system
- #10-32 threaded brass inserts are installed for optional back panel mounting

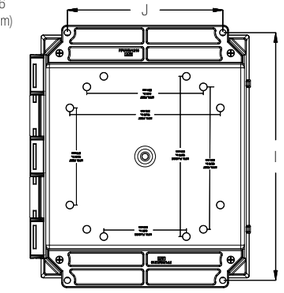
### Accessories

- Optional back panels (white painted steel and aluminum) and hinged front panels (aluminum)
- Optional mounting hardware based on model number – foot or flange mount
- Additional molded-in mounting bosses available for directly mounting DIN rails

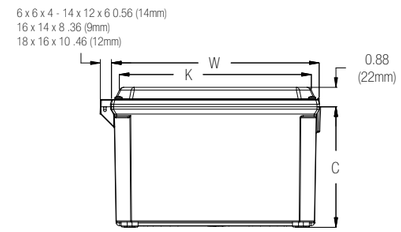



NOTE: COVER REMOVED FOR CLARITY

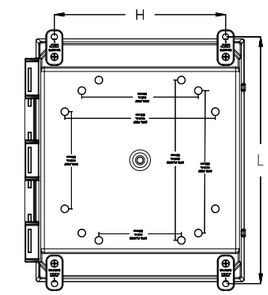



FLANGE MOUNT




*Nom. Wall Thickness: .14 (4mm); sizes 14"through18" .19 (5mm)




FOOT MOUNT

| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Back Panel Size | | | Flange Mount Centers | | Foot Mount Centers | | Cover Size | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | J | I | H | L | K | M | W | U |
| AMP664 | 6.03 | 6.26 | 4.08 | 4.06 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 PLA66 PLPVC66 | 4.00 | 6.88, 6.75 | 4.91 | 6.75 | 5.89 | 5.67 | 6.72 | 6.50 |
| AMP664F | 153mm | 159mm | 104mm | 103mm | 108mm | 108mm | 122mm | 122mm | | 102mm | 175, 171mm | 125mm | 171mm | 150mm | 144mm | 171mm | 165mm |
| AMP864 | 7.94 | 6.16 | 4.08 | 4.06 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 PLA86 PLPVC86 | 4.00 | 8.88, 8.75 | 4.91 | 8.75 | 5.89 | 7.67 | 6.72 | 8.50 |
| AMP864F | 202mm | 156mm | 104mm | 103mm | 159mm | 108mm | 171mm | 124mm | | 102mm | 226, 222mm | 125mm | 222mm | 150mm | 195mm | 171mm | 216mm |
| AMP884 | 7.94 | 8.16 | 4.08 | 4.06 | 6.25 | 6.25 | 6.75 | 6.88 | PL88 PLA88 PLPVC88 | 6.00 | 8.75 | 6.91 | 8.75 | 7.89 | 7.67 | 8.72 | 8.50 |
| AMP884F | 202mm | 207mm | 104mm | 103mm | 159mm | 159mm | 171mm | 175mm | | 152mm | 222mm | 175mm | 222mm | 200mm | 195mm | 221mm | 216mm |
| AMP1082 | 9.93 | 8.15 | 2.70 | 2.68 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 PLPVC108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.89 | 9.67 | 8.72 | 10.50 |
| AMP1082F | 252mm | 207mm | 69mm | 68mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 200mm | 246mm | 221mm | 267mm |
| AMP1084 | 9.93 | 8.15 | 4.08 | 4.06 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 PLPVC108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.89 | 9.67 | 8.72 | 10.50 |
| AMP1084F | 252mm | 207mm | 104mm | 103mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 200mm | 246mm | 221mm | 267mm |
| AMP1086 | 9.90 | 8.12 | 5.94 | 6.06 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 PLPVC108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.89 | 9.67 | 8.72 | 10.50 |
| AMP1086F | 251mm | 206mm | 151mm | 154mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 200mm | 246mm | 221mm | 267mm |
| AMP1204 | 11.93 | 10.15 | 4.08 | 4.16 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 PLPVC120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.89 | 11.67 | 10.72 | 12.50 |
| AMP1204F | 303mm | 258mm | 104mm | 106mm | 260mm | 210mm | 273mm | 225mm | | 203mm | 324mm | 224mm | 323mm | 251mm | 296mm | 272mm | 318mm |
| AMP1206 | 11.93 | 10.15 | 6.08 | 6.06 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 PLPVC120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.89 | 11.67 | 10.72 | 12.50 |
| AMP1206F | 303mm | 258mm | 154mm | 154mm | 260mm | 210mm | 273mm | 225mm | | 203mm | 324mm | 224mm | 323mm | 251mm | 296mm | 272mm | 318mm |
| AMP1426 | 13.85 | 12.07 | 6.13 | 5.99 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 PLA142 PLPVC142 | 10.01 | 14.75, 14.62 | 10.82 | 14.70 | 11.89 | 13.67 | 12.72 | 14.50 |
| AMP1426F | 352mm | 307mm | 156mm | 152mm | 311mm | 260mm | 324mm | 276mm | | 254mm | 375, 371mm | 275mm | 373mm | 302mm | 347mm | 323mm | 368mm |
| AMP1648 | 15.98 | 13.98 | 8.00 | 8.27 | 14.25 | 12.25 | 14.75 | 12.88 | P164 PA164 PLPVC164 | 12.00 | 17.75 | 11.47 | 17.91 | 13.68 | 15.63 | 15.04 | 17.23 |
| AMP1648F | 406mm | 355mm | 203mm | 210mm | 362mm | 311mm | 375mm | 327mm | | 305mm | 451mm | 291mm | 455mm | 347mm | 397mm | 382mm | 438mm |
| AMP1860 | 18.04 | 16.04 | 10.00 | 10.27 | 16.22 | 14.25 | 16.88 | 14.88 | P186 PA186 PLPVC186 | 12.00 | 19.63, 19.51 | 13.72 | 19.91 | 15.68 | 17.68 | 17.10 | 19.28 |
| AMP1860F | 458mm | 407mm | 254mm | 261mm | 412mm | 362mm | 429mm | 378mm | | 305mm | 499, 496mm | 349mm | 506mm | 398mm | 454mm | 434mm | 490mm |

All dimensions are in inches unless otherwise noted
"I" dimensions with multiple numbers indicate slotted holes
All sizes 6" x 6" x 4" up through 14" x 12" x 6" are rated 6P (IP68)
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMP664)
Add "F" to the part number for factory installed flanges (ex. AMP664F)

Data subject to change without notice

# AMP Series - POLYLINE® JIC Size Junction Boxes:

## Screw Cover – Clear Polycarbonate

## PRODUCT INFORMATION

### Application

- Designed to insulate and protect controls and components in both indoor and outdoor applications often found in industrial control panels, pump controls/ waste water treatment, irrigation/water control, solar/wind, and chemical plants
- Light weight, impact resistant and good corrosion resistance for many industrial enclosure applications and a great alternative to metallic enclosures
- Protects from dirt, dust, and water

### Standards

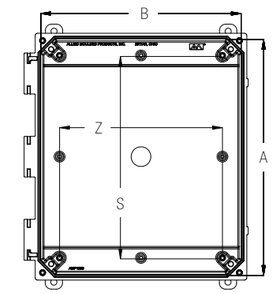
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6" x 6" up through 14" x 12"), 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6" x 6" up through 14" x 12"), 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6" x 6" up through 14" x 12") 12 and 13
  - IEC 60529 Type IP68 submersible up to 24 hours at a depth of 6 feet (1.8 meters)
- RoHS directive

### Construction

- Injection molded polycarbonate thermoplastic – clear cover, enclosure base, feet and flanges
- Enclosure base, feet, and flanges – Light gray color (RAL 7035)
  Note: flanged models are pre-assembled, foot models mounting hardware supplied in a bag
- Stainless steel captive cover screws and foot/flange mounting hardware
- Cover seal – Formed-In-Place (FIP) polyurethane gasket system
- #10-32 threaded brass inserts are installed for optional back panel mounting

### Accessories

- Optional back panels (white painted steel and aluminum) and hinged front panels (aluminum)
- Optional mounting hardware based on model number – foot or flange mount
- Additional molded-in mounting bosses available for directly mounting DIN rails

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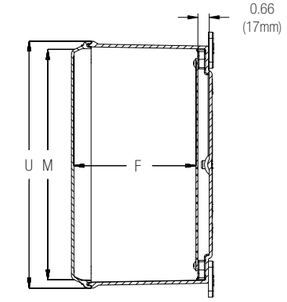
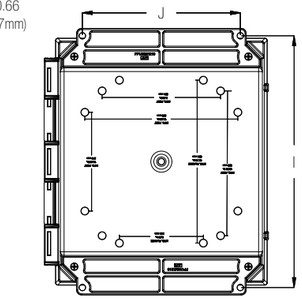
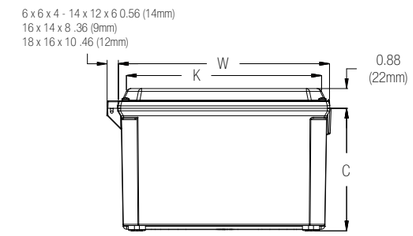
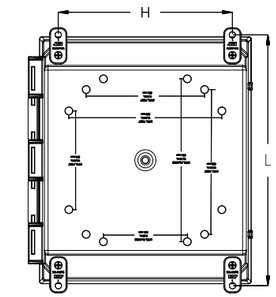



FLANGE MOUNT




FOOT MOUNT

*Nom. Wall Thickness: .14 (4mm); sizes 14"through18" .19 (5mm)

| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Back Panel Size | | | Flange Mount Centers | | Foot Mount Centers | | Cover Size | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | J | I | H | L | K | M | W | U |
| AMP664CC AMP664CCF | 6.03 | 6.26 | 4.08 | 4.06 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 PLA66 PLPVC66 | 4.00 | 6.88, 6.75 | 4.91 | 6.75 | 5.89 | 5.67 | 6.72 | 6.50 |
| | 153mm | 159mm | 104mm | 103mm | 108mm | 108mm | 122mm | 122mm | | 102mm | 175, 171mm | 125mm | 171mm | 150mm | 144mm | 171mm | 165mm |
| AMP864CC AMP864CCF | 7.94 | 6.16 | 4.08 | 4.06 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 PLA86 PLPVC86 | 4.00 | 8.88, 8.75 | 4.91 | 8.75 | 5.89 | 7.67 | 6.72 | 8.50 |
| | 202mm | 156mm | 104mm | 103mm | 159mm | 108mm | 171mm | 124mm | | 102mm | 226, 222mm | 125mm | 222mm | 150mm | 195mm | 171mm | 216mm |
| AMP884CC AMP884CCF | 7.94 | 8.16 | 4.08 | 4.06 | 6.25 | 6.25 | 6.75 | 6.88 | PL88 PLA88 PLPVC88 | 6.00 | 8.75 | 6.91 | 8.75 | 7.89 | 7.67 | 8.72 | 8.50 |
| | 202mm | 207mm | 104mm | 103mm | 159mm | 159mm | 171mm | 175mm | | 152mm | 222mm | 175mm | 222mm | 200mm | 195mm | 221mm | 216mm |
| AMP1082CC AMP1082CCF | 9.93 | 8.15 | 2.70 | 2.68 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 PLPVC108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.89 | 9.67 | 8.72 | 10.50 |
| | 252mm | 207mm | 69mm | 68mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 200mm | 246mm | 221mm | 267mm |
| AMP1084CC AMP1084CCF | 9.93 | 8.15 | 4.08 | 4.06 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 PLPVC108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.89 | 9.67 | 8.72 | 10.50 |
| | 252mm | 207mm | 104mm | 103mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 200mm | 246mm | 221mm | 267mm |
| AMP1086CC AMP1086CCF | 9.90 | 8.12 | 5.94 | 6.06 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 PLPVC108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.89 | 9.67 | 8.72 | 10.50 |
| | 251mm | 206mm | 151mm | 154mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 200mm | 246mm | 221mm | 267mm |
| AMP1204CC AMP1204CCF | 11.93 | 10.15 | 4.08 | 4.16 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 PLPVC120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.89 | 11.67 | 10.72 | 12.50 |
| | 303mm | 258mm | 104mm | 106mm | 260mm | 210mm | 273mm | 225mm | | 203mm | 324mm | 224mm | 323mm | 251mm | 296mm | 272mm | 318mm |
| AMP1206CC AMP1206CCF | 11.93 | 10.15 | 6.08 | 6.06 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 PLPVC120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.89 | 11.67 | 10.72 | 12.50 |
| | 303mm | 258mm | 154mm | 154mm | 260mm | 210mm | 273mm | 225mm | | 203mm | 324mm | 224mm | 323mm | 251mm | 296mm | 272mm | 318mm |
| AMP1426CC AMP1426CCF | 13.85 | 12.07 | 6.13 | 5.99 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 PLA142 PLPVC142 | 10.01 | 14.75, 14.62 | 10.82 | 14.70 | 11.89 | 13.67 | 12.72 | 14.50 |
| | 352mm | 307mm | 156mm | 152mm | 311mm | 260mm | 324mm | 276mm | | 254mm | 375, 371mm | 275mm | 373mm | 302mm | 347mm | 323mm | 368mm |
| AMP1648CC AMP1648CCF | 15.98 | 13.98 | 8.00 | 8.27 | 14.25 | 12.25 | 14.75 | 12.88 | P164 PA164 PLPVC164 | 12.00 | 17.75 | 11.47 | 17.91 | 13.68 | 15.63 | 15.04 | 17.23 |
| | 406mm | 355mm | 203mm | 210mm | 362mm | 311mm | 375mm | 327mm | | 305mm | 451mm | 291mm | 455mm | 347mm | 397mm | 382mm | 438mm |
| AMP1860CC AMP1860CCF | 18.04 | 16.04 | 10.00 | 10.27 | 16.22 | 14.25 | 16.88 | 14.88 | P186 PA186 PLPVC186 | 12.00 | 19.63, 19.51 | 13.72 | 19.91 | 15.68 | 17.68 | 17.10 | 19.28 |
| | 458mm | 407mm | 254mm | 261mm | 412mm | 362mm | 429mm | 378mm | | 305mm | 499, 496mm | 349mm | 506mm | 398mm | 454mm | 434mm | 490mm |

All dimensions are in inches unless otherwise noted
"I" dimensions with multiple numbers indicate slotted holes
All sizes 6" x 6" x 4" up through 14" x 12" x 6" are rated 6P (IP68)
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMP664CC)
Add "F" to the part number for factory installed flanges (ex. AMP664CCF)

Data subject to change without notice

# AMP Series - POLYLINE® JIC Size Junction Boxes:

## *Hinged Screw Cover – Solid/Opaque*

## PRODUCT INFORMATION

### Application

- Designed to insulate and protect controls and components in both indoor and outdoor applications often found in industrial control panels, pump controls/ waste water treatment, irrigation/water control, solar/wind, and chemical plants
- Light weight, impact resistant and good corrosion resistance for many industrial enclosure applications and a great alternative to metallic enclosures
- Protects from dirt, dust, and water

### Standards

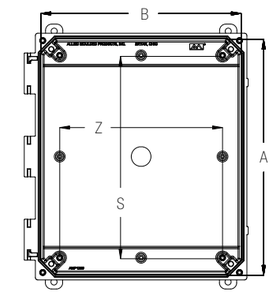
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
- RoHS directive

### Construction

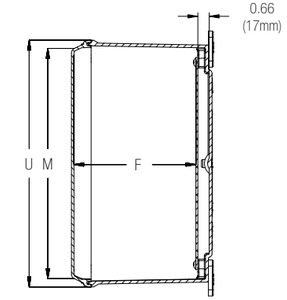
- Injection molded polycarbonate thermoplastic – opaque cover, enclosure base, feet and flanges
- Opaque cover, base, feet, and flanges – Light gray color (RAL 7035)
  Note: flanged models are pre-assembled, foot models mounting hardware supplied in a bag
- Stainless steel captive cover screws, hinge pin and foot/flange mounting hardware
- Cover seal – Formed-In-Place (FIP) polyurethane gasket system
- #10-32 threaded brass inserts are installed for optional back panel mounting

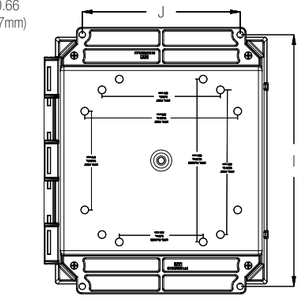
### Accessories

- Optional back panels (white painted steel and aluminum) and hinged front panels (aluminum)
- Optional mounting hardware based on model number – foot or flange mount
- Additional molded-in mounting bosses available for directly mounting DIN rails

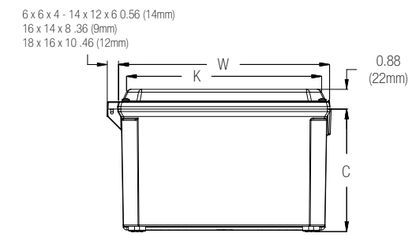



NOTE: COVER REMOVED FOR CLARITY

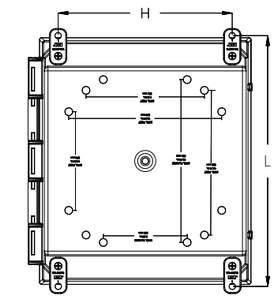



FLANGE MOUNT




*Nom. Wall Thickness: .14 (4mm); sizes 14"through18" .19 (5mm)




FOOT MOUNT

| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Back Panel Size | | | Flange Mount Centers | | Foot Mount Centers | | Cover Size | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | J | I | H | L | K | M | W | U |
| AMP664H AMP664HF | 6.03 | 6.26 | 4.08 | 4.06 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 PLA66 PLPVC66 | 4.00 | 6.88, 6.75 | 4.91 | 6.75 | 5.89 | 5.67 | 6.72 | 6.50 |
| | 153mm | 159mm | 104mm | 103mm | 108mm | 108mm | 122mm | 122mm | | 102mm | 175, 171mm | 125mm | 171mm | 150mm | 144mm | 171mm | 165mm |
| AMP864H AMP864HF | 7.94 | 6.16 | 4.08 | 4.06 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 PLA86 PLPVC86 | 4.00 | 8.88, 8.75 | 4.91 | 8.75 | 5.89 | 7.67 | 6.72 | 8.50 |
| | 202mm | 156mm | 104mm | 103mm | 159mm | 108mm | 171mm | 124mm | | 102mm | 226, 222mm | 125mm | 222mm | 150mm | 195mm | 171mm | 216mm |
| AMP884H AMP884HF | 7.94 | 8.16 | 4.08 | 4.06 | 6.25 | 6.25 | 6.75 | 6.88 | PL88 PLA88 PLPVC88 | 6.00 | 8.75 | 6.91 | 8.75 | 7.89 | 7.67 | 8.72 | 8.50 |
| | 202mm | 207mm | 104mm | 103mm | 159mm | 159mm | 171mm | 175mm | | 152mm | 222mm | 175mm | 222mm | 200mm | 195mm | 221mm | 216mm |
| AMP1082H AMP1082HF | 9.93 | 8.15 | 2.70 | 2.68 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 PLPVC108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.89 | 9.67 | 8.72 | 10.50 |
| | 252mm | 207mm | 69mm | 68mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 200mm | 246mm | 221mm | 267mm |
| AMP1084H AMP1084HF | 9.93 | 8.15 | 4.08 | 4.06 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 PLPVC108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.89 | 9.67 | 8.72 | 10.50 |
| | 252mm | 207mm | 104mm | 103mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 200mm | 246mm | 221mm | 267mm |
| AMP1086H AMP1086HF | 9.90 | 8.12 | 5.94 | 6.06 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 PLPVC108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.89 | 9.67 | 8.72 | 10.50 |
| | 251mm | 206mm | 151mm | 154mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 200mm | 246mm | 221mm | 267mm |
| AMP1204H AMP1204HF | 11.93 | 10.15 | 4.08 | 4.16 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 PLPVC120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.89 | 11.67 | 10.72 | 12.50 |
| | 303mm | 258mm | 104mm | 106mm | 260mm | 210mm | 273mm | 225mm | | 203mm | 324mm | 224mm | 323mm | 251mm | 296mm | 272mm | 318mm |
| AMP1206H AMP1206HF | 11.93 | 10.15 | 6.08 | 6.06 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 PLPVC120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.89 | 11.67 | 10.72 | 12.50 |
| | 303mm | 258mm | 154mm | 154mm | 260mm | 210mm | 273mm | 225mm | | 203mm | 324mm | 224mm | 323mm | 251mm | 296mm | 272mm | 318mm |
| AMP1426H AMP1426HF | 13.85 | 12.07 | 6.13 | 5.99 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 PLA142 PLPVC142 | 10.01 | 14.75, 14.62 | 10.82 | 14.70 | 11.89 | 13.67 | 12.72 | 14.50 |
| | 352mm | 307mm | 156mm | 152mm | 311mm | 260mm | 324mm | 276mm | | 254mm | 375, 371mm | 275mm | 373mm | 302mm | 347mm | 323mm | 368mm |
| AMP1648H AMP1648HF | 15.98 | 13.98 | 8.00 | 8.27 | 14.25 | 12.25 | 14.75 | 12.88 | P164 PA164 PLPVC164 | 12.00 | 17.75 | 11.47 | 17.91 | 13.68 | 15.63 | 15.04 | 17.23 |
| | 406mm | 355mm | 203mm | 210mm | 362mm | 311mm | 375mm | 327mm | | 305mm | 451mm | 291mm | 455mm | 347mm | 397mm | 382mm | 438mm |
| AMP1860H AMP1860HF | 18.04 | 16.04 | 10.00 | 10.27 | 16.22 | 14.25 | 16.88 | 14.88 | P186 PA186 PLPVC186 | 12.00 | 19.63, 19.51 | 13.72 | 19.91 | 15.68 | 17.68 | 17.10 | 19.28 |
| | 458mm | 407mm | 254mm | 261mm | 412mm | 362mm | 429mm | 378mm | | 305mm | 499, 496mm | 349mm | 506mm | 398mm | 454mm | 434mm | 490mm |

All dimensions are in inches unless otherwise noted
"I" dimensions with multiple numbers indicate slotted holes
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMP664H)
Add "F" to the part number for factory installed flanges (ex. AMP664HF)

Data subject to change without notice

# AMP Series - POLYLINE® JIC Size Junction Boxes:

## Hinged Screw Cover – Clear Polycarbonate

## PRODUCT INFORMATION

### Application

- Designed to insulate and protect controls and components in both indoor and outdoor applications often found in industrial control panels, pump controls/ waste water treatment, irrigation/water control, solar/wind, and chemical plants
- Light weight, impact resistant and good corrosion resistance for many industrial enclosure applications and a great alternative to metallic enclosures
- Protects from dirt, dust, and water

### Standards

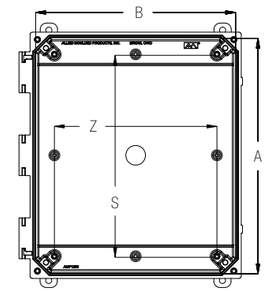
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
- RoHS directive

### Construction

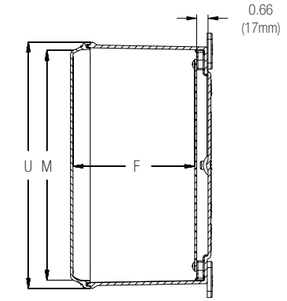
- Injection molded polycarbonate thermoplastic – clear cover, enclosure base, feet and flanges
- Enclosure base, feet, and flanges – Light gray color (RAL 7035)
  Note: flanged models are pre-assembled, foot models mounting hardware supplied in a bag
- Stainless steel captive cover screws, hinge pin and foot/flange mounting hardware
- Cover seal – Formed-In-Place (FIP) polyurethane gasket system
- #10-32 threaded brass inserts are installed for optional back panel mounting

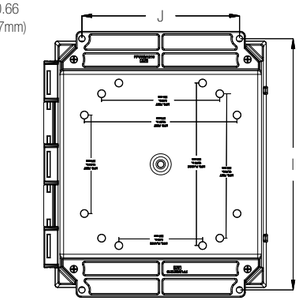
### Accessories

- Optional back panels (white painted steel and aluminum) and hinged front panels (aluminum)
- Optional mounting hardware based on model number – foot or flange mount
- Additional molded-in mounting bosses available for directly mounting DIN rails

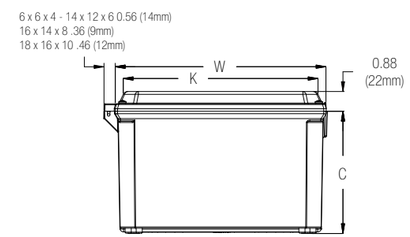


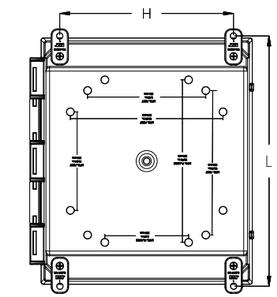

NOTE: COVER REMOVED FOR CLARITY




FLANGE MOUNT




FOOT MOUNT

*Nom. Wall Thickness: .14 (4mm); sizes 14"through18" .19 (5mm)

| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Back Panel Size | | | Flange Mount Centers | | Foot Mount Centers | | Cover Size | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | J | I | H | L | K | M | W | U |
| AMP664CCH | 6.03 | 6.26 | 4.08 | 4.06 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 | 4.00 | 6.88, 6.75 | 4.91 | 6.75 | 5.89 | 5.67 | 6.72 | 6.50 |
| AMP664CCHF | 153mm | 159mm | 104mm | 103mm | 108mm | 108mm | 122mm | 122mm | PLA66 PLPVC66 | 102mm | 175, 171mm | 125mm | 171mm | 150mm | 144mm | 171mm | 165mm |
| AMP864CCH | 7.94 | 6.16 | 4.08 | 4.06 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 | 4.00 | 8.88, 8.75 | 4.91 | 8.75 | 5.89 | 7.67 | 6.72 | 8.50 |
| AMP864CCHF | 202mm | 156mm | 104mm | 103mm | 159mm | 108mm | 171mm | 124mm | PLA86 PLPVC86 | 102mm | 226, 222mm | 125mm | 222mm | 150mm | 195mm | 171mm | 216mm |
| AMP884CCH | 7.94 | 8.16 | 4.08 | 4.06 | 6.25 | 6.25 | 6.75 | 6.88 | PL88 | 6.00 | 8.75 | 6.91 | 8.75 | 7.89 | 7.67 | 8.72 | 8.50 |
| AMP884CCHF | 202mm | 207mm | 104mm | 103mm | 159mm | 159mm | 171mm | 175mm | PLA88 PLPVC88 | 152mm | 222mm | 175mm | 222mm | 200mm | 195mm | 221mm | 216mm |
| AMP1082CCH | 9.93 | 8.15 | 2.70 | 2.68 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.89 | 9.67 | 8.72 | 10.50 |
| AMP1082CCHF | 252mm | 207mm | 69mm | 68mm | 210mm | 159mm | 222mm | 175mm | PLA108 PLPVC108 | 152mm | 273mm | 175mm | 273mm | 200mm | 246mm | 221mm | 267mm |
| AMP1084CCH | 9.93 | 8.15 | 4.08 | 4.06 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.89 | 9.67 | 8.72 | 10.50 |
| AMP1084CCHF | 252mm | 207mm | 104mm | 103mm | 210mm | 159mm | 222mm | 175mm | PLA108 PLPVC108 | 152mm | 273mm | 175mm | 273mm | 200mm | 246mm | 221mm | 267mm |
| AMP1086CCH | 9.90 | 8.12 | 5.94 | 6.06 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.89 | 9.67 | 8.72 | 10.50 |
| AMP1086CCHF | 251mm | 206mm | 151mm | 154mm | 210mm | 159mm | 222mm | 175mm | PLA108 PLPVC108 | 152mm | 273mm | 175mm | 273mm | 200mm | 246mm | 221mm | 267mm |
| AMP1204CCH | 11.93 | 10.15 | 4.08 | 4.16 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.89 | 11.67 | 10.72 | 12.50 |
| AMP1204CCHF | 303mm | 258mm | 104mm | 106mm | 260mm | 210mm | 273mm | 225mm | PLA120 PLPVC120 | 203mm | 324mm | 224mm | 323mm | 251mm | 296mm | 272mm | 318mm |
| AMP1206CCH | 11.93 | 10.15 | 6.08 | 6.06 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.89 | 11.67 | 10.72 | 12.50 |
| AMP1206CCHF | 303mm | 258mm | 154mm | 154mm | 260mm | 210mm | 273mm | 225mm | PLA120 PLPVC120 | 203mm | 324mm | 224mm | 323mm | 251mm | 296mm | 272mm | 318mm |
| AMP1426CCH | 13.85 | 12.07 | 6.13 | 5.99 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 | 10.01 | 14.75, 14.62 | 10.82 | 14.70 | 11.89 | 13.67 | 12.72 | 14.50 |
| AMP1426CCHF | 352mm | 307mm | 156mm | 152mm | 311mm | 260mm | 324mm | 276mm | PLA142 PLPVC142 | 254mm | 375, 371mm | 275mm | 373mm | 302mm | 347mm | 323mm | 368mm |
| AMP1648CCH | 15.98 | 13.98 | 8.00 | 8.27 | 14.25 | 12.25 | 14.75 | 12.88 | P164 | 12.00 | 17.75 | 11.47 | 17.91 | 13.68 | 15.63 | 15.04 | 17.23 |
| AMP1648CCHF | 406mm | 355mm | 203mm | 210mm | 362mm | 311mm | 375mm | 327mm | PA164 PLPVC164 | 305mm | 451mm | 291mm | 455mm | 347mm | 397mm | 382mm | 438mm |
| AMP1860CCH | 18.04 | 16.04 | 10.00 | 10.27 | 16.22 | 14.25 | 16.88 | 14.88 | P186 | 12.00 | 19.63, 19.51 | 13.72 | 19.91 | 15.68 | 17.68 | 17.10 | 19.28 |
| AMP1860CCHF | 458mm | 407mm | 254mm | 261mm | 412mm | 362mm | 429mm | 378mm | PA186 PLPVC186 | 305mm | 499, 496mm | 349mm | 506mm | 398mm | 454mm | 434mm | 490mm |

All dimensions are in inches unless otherwise noted
"I" dimensions with multiple numbers indicate slotted holes
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMP664CCH)
Add "F" to the part number for factory installed flanges (ex. AMP664CCHF)

Data subject to change without notice

# AMP Series - POLYLINE® JIC Size Junction Boxes:

## Nonmetal Snap Latch Hinged Cover – Solid/Opaque

## PRODUCT INFORMATION

### Application

- Designed to insulate and protect controls and components in both indoor and outdoor applications often found in industrial control panels, pump controls/ waste water treatment, irrigation/water control, solar/wind, and chemical plants
- Light weight, impact resistant and good corrosion resistance for many industrial enclosure applications and a great alternative to metallic enclosures
- Protects from dirt, dust, and water

### Standards

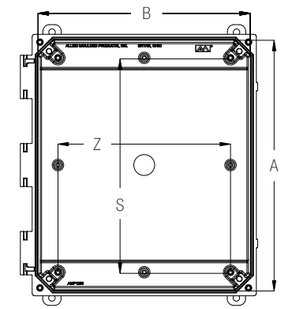
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
- RoHS directive

### Construction

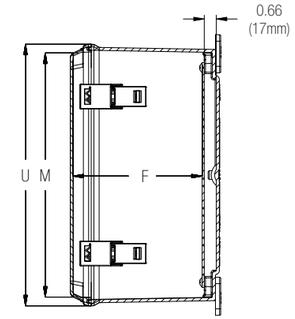
- Injection molded polycarbonate thermoplastic – opaque cover, enclosure base, snap latches, feet and flanges
- Opaque cover, base, padlockable snap latches, feet, and flanges – Light gray color (RAL 7035) Note: flanged models are pre-assembled, foot models mounting hardware supplied in a bag
- Stainless steel, hinge pin and foot/flange mounting hardware
- Cover seal – Formed-In-Place (FIP) polyurethane gasket system
- #10-32 threaded brass inserts are installed for optional back panel mounting

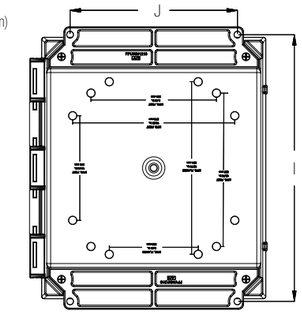
### Accessories

- Optional back panels (white painted steel and aluminum) and hinged front panels (aluminum)
- Optional mounting hardware based on model number – foot or flange mount
- Additional molded-in mounting bosses available for directly mounting DIN rails

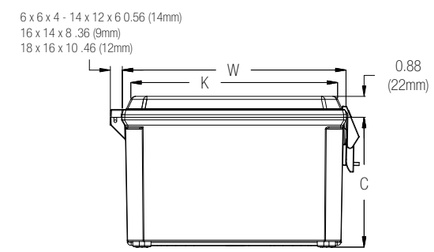



NOTE: COVER REMOVED FOR CLARITY



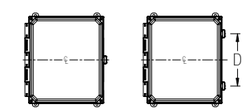



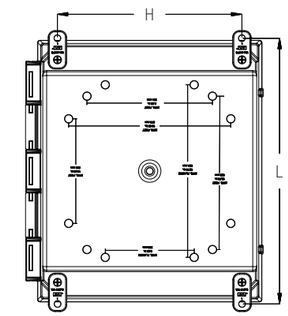

FLANGE MOUNT




LATCH LOCATIONS

| FOR USE ON | FOR USE ON |
|---|---|
| 6 x 6 x 4 | 12 x 10 x 4(6) D=7.50 (191mm) |
| 8 x 6 x 4 | 14 x 12 x 6 D=8.00 (203mm) |
| 8 x 8 x 4 | 16 x 14 x 8 D=10.5 (267mm) |
| 10 x 8 x 4(6) | 18 x 16 x 10 D=12.5 (318mm) |




FOOT MOUNT

*Nom. Wall Thickness: .14 (4mm); sizes 14"through18" .19 (5mm)

| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Back Panel Size | | | Flange Mount Centers | | Foot Mount Centers | | Cover Size | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | J | I | H | L | K | M | W | U |
| AMP664NL | 6.03 | 6.26 | 4.08 | 4.06 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 | 4.00 | 6.88, 6.75 | 4.91 | 6.75 | 5.89 | 5.67 | 6.72 | 6.50 |
| AMP664NLF | 153mm | 159mm | 104mm | 103mm | 108mm | 108mm | 122mm | 122mm | PLA66 PLPVC66 | 102mm | 175, 171mm | 125mm | 171mm | 150mm | 144mm | 171mm | 165mm |
| AMP864NL | 7.94 | 6.16 | 4.08 | 4.06 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 | 4.00 | 8.88, 8.75 | 4.91 | 8.75 | 5.89 | 7.67 | 6.72 | 8.50 |
| AMP864NLF | 202mm | 156mm | 104mm | 103mm | 159mm | 108mm | 171mm | 124mm | PLA86 PLPVC86 | 102mm | 226, 222mm | 125mm | 222mm | 150mm | 195mm | 171mm | 216mm |
| AMP884NL | 7.94 | 8.16 | 4.08 | 4.06 | 6.25 | 6.25 | 6.75 | 6.88 | PL88 | 6.00 | 8.75 | 6.91 | 8.75 | 7.89 | 7.67 | 8.72 | 8.50 |
| AMP884NLF | 202mm | 207mm | 104mm | 103mm | 159mm | 159mm | 171mm | 175mm | PLA88 PLPVC88 | 152mm | 222mm | 175mm | 222mm | 200mm | 195mm | 221mm | 216mm |
| AMP1084NL | 9.93 | 8.15 | 4.08 | 4.06 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.89 | 9.67 | 8.72 | 10.50 |
| AMP1084NLF | 252mm | 207mm | 104mm | 103mm | 210mm | 159mm | 222mm | 175mm | PLA108 PLPVC108 | 152mm | 273mm | 175mm | 273mm | 200mm | 246mm | 221mm | 267mm |
| AMP1086NL | 9.90 | 8.12 | 5.94 | 6.06 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.89 | 9.67 | 8.72 | 10.50 |
| AMP1086NLF | 251mm | 206mm | 151mm | 154mm | 210mm | 159mm | 222mm | 175mm | PLA108 PLPVC108 | 152mm | 273mm | 175mm | 273mm | 200mm | 246mm | 221mm | 267mm |
| AMP1204NL | 11.93 | 10.15 | 4.08 | 4.16 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.89 | 11.67 | 10.72 | 12.50 |
| AMP1204NLF | 303mm | 258mm | 104mm | 106mm | 260mm | 210mm | 273mm | 225mm | PLA120 PLPVC120 | 203mm | 324mm | 224mm | 323mm | 251mm | 296mm | 272mm | 318mm |
| AMP1206NL | 11.93 | 10.15 | 6.08 | 6.06 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.89 | 11.67 | 10.72 | 12.50 |
| AMP1206NLF | 303mm | 258mm | 154mm | 154mm | 260mm | 210mm | 273mm | 225mm | PLA120 PLPVC120 | 203mm | 324mm | 224mm | 323mm | 251mm | 296mm | 272mm | 318mm |
| AMP1426NL | 13.85 | 12.07 | 6.13 | 5.99 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 | 10.01 | 14.75, 14.62 | 10.82 | 14.70 | 11.89 | 13.67 | 12.72 | 14.50 |
| AMP1426NLF | 352mm | 307mm | 156mm | 152mm | 311mm | 260mm | 324mm | 276mm | PLA142 PLPVC142 | 254mm | 375, 371mm | 275mm | 373mm | 302mm | 347mm | 323mm | 368mm |
| AMP1648NL | 15.98 | 13.98 | 8.00 | 8.27 | 14.25 | 12.25 | 14.75 | 12.88 | P164 | 12.00 | 17.75 | 11.47 | 17.91 | 13.68 | 15.63 | 15.04 | 17.23 |
| AMP1648NLF | 406mm | 355mm | 203mm | 210mm | 362mm | 311mm | 375mm | 327mm | PA164 PLPVC164 | 305mm | 451mm | 291mm | 455mm | 347mm | 397mm | 382mm | 438mm |
| AMP1860NL | 18.04 | 16.04 | 10.00 | 10.27 | 16.22 | 14.25 | 16.88 | 14.88 | P186 | 12.00 | 19.63, 19.51 | 13.72 | 19.91 | 15.68 | 17.68 | 17.10 | 19.28 |
| AMP1860NLF | 458mm | 407mm | 254mm | 261mm | 412mm | 362mm | 429mm | 378mm | PA186 PLPVC186 | 305mm | 499, 496mm | 349mm | 506mm | 398mm | 454mm | 434mm | 490mm |

All dimensions are in inches unless otherwise noted
"I" dimensions with multiple numbers indicate slotted holes
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMP664NL)
Add "F" to the part number for factory installed flanges (ex. AMP664NLF)

Data subject to change without notice

# AMP Series - POLYLINE® JIC Size Junction Boxes:

## *Nonmetal Snap Latch Hinged Cover – Clear Polycarbonate*

## PRODUCT INFORMATION

### Application

- Designed to insulate and protect controls and components in both indoor and outdoor applications often found in industrial control panels, pump controls/waste water treatment, irrigation/water control, solar/wind, and chemical plants
- Light weight, impact resistant and good corrosion resistance for many industrial enclosure applications and a great alternative to metallic enclosures
- Protects from dirt, dust, and water

### Standards

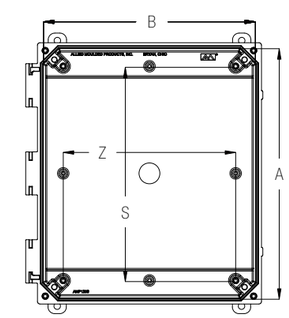
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
- RoHS directive

### Construction

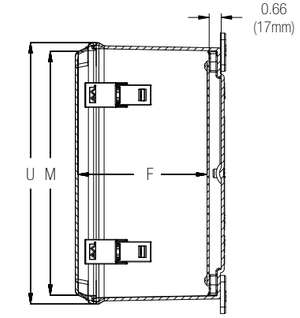
- Injection molded polycarbonate thermoplastic – clear cover, enclosure base, snap latches feet and flanges
- Clear cover, base, padlockable snap latches, feet, and flanges – Light gray color (RAL 7035) Note: flanged models are pre-assembled, foot models' mounting hardware supplied in a bag
- Stainless steel, hinge pin and foot/flange mounting hardware
- Cover seal – Formed-In-Place (FIP) polyurethane gasket system
- #10-32 threaded brass inserts are installed for optional back panel mounting

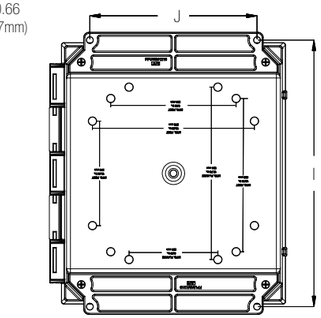
### Accessories

- Optional back panels (white painted steel and aluminum) and hinged front panels (aluminum)
- Optional mounting hardware based on model number – foot or flange mount
- Additional molded-in mounting bosses available for directly mounting DIN rails



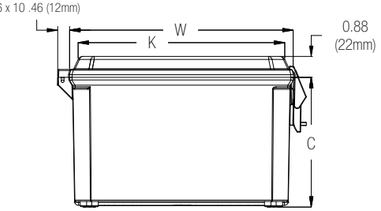

NOTE: COVER REMOVED FOR CLARITY



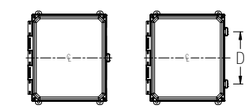

FLANGE MOUNT

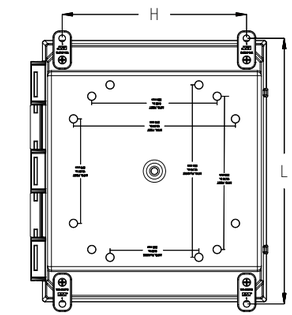
6 x 6 x 4 - 14 x 12 x 6 0.56 (14mm)
16 x 14 x 8 .36 (9mm)
18 x 16 x 10 .46 (12mm)




LATCH LOCATIONS

| FOR USE ON | FOR USE ON |
|---|---|
| 6 x 6 x 4 | 12 x 10 x 4(6) D=7.50 (191mm) |
| 8 x 6 x 4 | 14 x 12 x 6 D=8.00 (203mm) |
| 8 x 8 x 4 | 16 x 14 x 8 D=10.5 (267mm) |
| 10 x 8 x 4(6) | 18 x 16 x 10 D=12.5 (318mm) |




FOOT MOUNT

*Nom. Wall Thickness: .14 (4mm); sizes 14"through18" .19 (5mm)

| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Back Panel Size | | | Flange Mount Centers | | Foot Mount Centers | | Cover Size | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | J | I | H | L | K | M | W | U |
| AMP664CCNL | 6.03 | 6.26 | 4.08 | 4.06 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 | 4.00 | 6.88, 6.75 | 4.91 | 6.75 | 5.89 | 5.67 | 6.72 | 6.50 |
| AMP664CCNLF | 153mm | 159mm | 104mm | 103mm | 108mm | 108mm | 122mm | 122mm | PLA66 PLPVC66 | 102mm | 175, 171mm | 125mm | 171mm | 150mm | 144mm | 171mm | 165mm |
| AMP864CCNL | 7.94 | 6.16 | 4.08 | 4.06 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 | 4.00 | 8.88, 8.75 | 4.91 | 8.75 | 5.89 | 7.67 | 6.72 | 8.50 |
| AMP864CCNLF | 202mm | 156mm | 104mm | 103mm | 159mm | 108mm | 171mm | 124mm | PLA86 PLPVC86 | 102mm | 226, 222mm | 125mm | 222mm | 150mm | 195mm | 171mm | 216mm |
| AMP884CCNL | 7.94 | 8.16 | 4.08 | 4.06 | 6.25 | 6.25 | 6.75 | 6.88 | PL88 | 6.00 | 8.75 | 6.91 | 8.75 | 7.89 | 7.67 | 8.72 | 8.50 |
| AMP884CCNLF | 202mm | 207mm | 104mm | 103mm | 159mm | 159mm | 171mm | 175mm | PLA88 PLPVC88 | 152mm | 222mm | 175mm | 222mm | 200mm | 195mm | 221mm | 216mm |
| AMP1084CCNL | 9.93 | 8.15 | 4.08 | 4.06 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.89 | 9.67 | 8.72 | 10.50 |
| AMP1084CCNLF | 252mm | 207mm | 104mm | 103mm | 210mm | 159mm | 222mm | 175mm | PLA108 PLPVC108 | 152mm | 273mm | 175mm | 273mm | 200mm | 246mm | 221mm | 267mm |
| AMP1086CCNL | 9.90 | 8.12 | 5.94 | 6.06 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.89 | 9.67 | 8.72 | 10.50 |
| AMP1086CCNLF | 251mm | 206mm | 151mm | 154mm | 210mm | 159mm | 222mm | 175mm | PLA108 PLPVC108 | 152mm | 273mm | 175mm | 273mm | 200mm | 246mm | 221mm | 267mm |
| AMP1204CCNL | 11.93 | 10.15 | 4.08 | 4.16 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.89 | 11.67 | 10.72 | 12.50 |
| AMP1204CCNLF | 303mm | 258mm | 104mm | 106mm | 260mm | 210mm | 273mm | 225mm | PLA120 PLPVC120 | 203mm | 324mm | 224mm | 323mm | 251mm | 296mm | 272mm | 318mm |
| AMP1206CCNL | 11.93 | 10.15 | 6.08 | 6.06 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.89 | 11.67 | 10.72 | 12.50 |
| AMP1206CCNLF | 303mm | 258mm | 154mm | 154mm | 260mm | 210mm | 273mm | 225mm | PLA120 PLPVC120 | 203mm | 324mm | 224mm | 323mm | 251mm | 296mm | 272mm | 318mm |
| AMP1426CCNL | 13.85 | 12.07 | 6.13 | 5.99 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 | 10.01 | 14.75, 14.62 | 10.82 | 14.70 | 11.89 | 13.67 | 12.72 | 14.50 |
| AMP1426CCNLF | 352mm | 307mm | 156mm | 152mm | 311mm | 260mm | 324mm | 276mm | PLA142 PLPVC142 | 254mm | 375, 371mm | 275mm | 373mm | 302mm | 347mm | 323mm | 368mm |
| AMP1648CCNL | 15.98 | 13.98 | 8.00 | 8.27 | 14.25 | 12.25 | 14.75 | 12.88 | P164 | 12.00 | 17.75 | 11.47 | 17.91 | 13.68 | 15.63 | 15.04 | 17.23 |
| AMP1648CCNLF | 406mm | 355mm | 203mm | 210mm | 362mm | 311mm | 375mm | 327mm | PA164 PLPVC164 | 305mm | 451mm | 291mm | 455mm | 347mm | 397mm | 382mm | 438mm |
| AMP1860CCNL | 18.04 | 16.04 | 10.00 | 10.27 | 16.22 | 14.25 | 16.88 | 14.88 | P186 | 12.00 | 19.63, 19.51 | 13.72 | 19.91 | 15.68 | 17.68 | 17.10 | 19.28 |
| AMP1860CCNLF | 458mm | 407mm | 254mm | 261mm | 412mm | 362mm | 429mm | 378mm | PA186 PLPVC186 | 305mm | 499, 496mm | 349mm | 506mm | 398mm | 454mm | 434mm | 490mm |

All dimensions are in inches unless otherwise noted
"I" dimensions with multiple numbers indicate slotted holes
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMP664CCNL)
Add "F" to the part number for factory installed flanges (ex. AMP664CCNLF)

Data subject to change without notice

# AMP Series - POLYLINE® JIC Size Junction Boxes:

## *Metal Snap Latch Hinged Cover – Solid/Opaque*

## PRODUCT INFORMATION

### Application

- Designed to insulate and protect controls and components in both indoor and outdoor applications often found in industrial control panels, pump controls/waste water treatment, irrigation/water control, solar/wind, and chemical plants
- Light weight, impact resistant and good corrosion resistance for many industrial enclosure applications and a great alternative to metallic enclosures
- Protects from dirt, dust, and water

### Standards

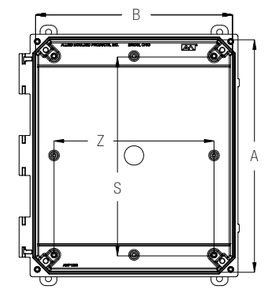
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
- RoHS directive

### Construction

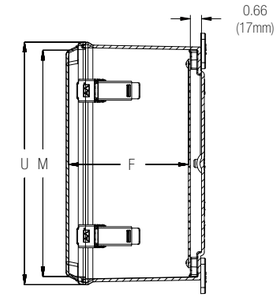
- Injection molded polycarbonate thermoplastic – opaque cover, enclosure base, feet and flanges
- Opaque cover, base, feet, and flanges – Light gray color (RAL 7035)
  Note: flanged models are pre-assembled, foot models mounting hardware supplied in a bag
- Stainless steel padlockable snap latches, hinge pin and foot/flange mounting hardware
- Cover seal – Formed-In-Place (FIP) polyurethane gasket system
- #10-32 threaded brass inserts are installed for optional back panel mounting

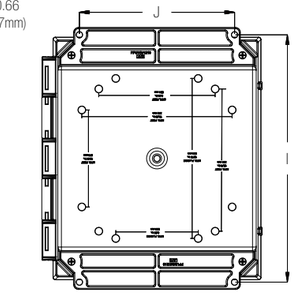
### Accessories

- Optional back panels (white painted steel and aluminum) and hinged front panels (aluminum)
- Optional mounting hardware based on model number – foot or flange mount
- Additional molded-in mounting bosses available for directly mounting DIN rails

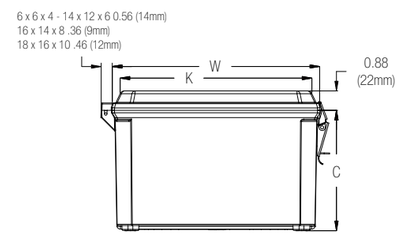



NOTE: COVER REMOVED FOR CLARITY



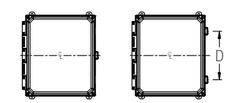



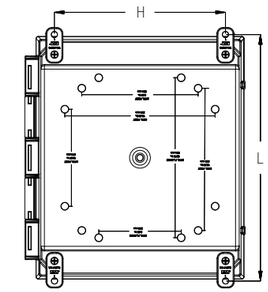

FLANGE MOUNT




LATCH LOCATIONS

| FOR USE ON | FOR USE ON |
|---|---|
| 6 x 6 x 4 | 12 x 10 x 4(6) D=7.50 (191mm) |
| 8 x 6 x 4 | 14 x 12 x 6 D=8.00 (203mm) |
| 8 x 8 x 4 | 16 x 14 x 8 D=10.5 (267mm) |
| 10 x 8 x 2(4,6) | 18 x 16 x 10 D=12.5 (318mm) |




FOOT MOUNT

*Nom. Wall Thickness: .14 (4mm); sizes 14"through18" .19 (5mm)

| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Back Panel Size | | | Flange Mount Centers | | Foot Mount Centers | | Cover Size | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | J | I | H | L | K | M | W | U |
| AMP664L AMP664LF | 6.03 | 6.26 | 4.08 | 4.06 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 PLA66 PLPVC66 | 4.00 | 6.88, 6.75 | 4.91 | 6.75 | 5.89 | 5.67 | 6.72 | 6.50 |
| | 153mm | 159mm | 104mm | 103mm | 108mm | 108mm | 122mm | 122mm | | 102mm | 175, 171mm | 125mm | 171mm | 150mm | 144mm | 171mm | 165mm |
| AMP864L AMP864LF | 7.94 | 6.16 | 4.08 | 4.06 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 PLA86 PLPVC86 | 4.00 | 8.88, 8.75 | 4.91 | 8.75 | 5.89 | 7.67 | 6.72 | 8.50 |
| | 202mm | 156mm | 104mm | 103mm | 159mm | 108mm | 171mm | 124mm | | 102mm | 226, 222mm | 125mm | 222mm | 150mm | 195mm | 171mm | 216mm |
| AMP884L AMP884LF | 7.94 | 8.16 | 4.08 | 4.06 | 6.25 | 6.25 | 6.75 | 6.88 | PL88 PLA88 PLPVC88 | 6.00 | 8.75 | 6.91 | 8.75 | 7.89 | 7.67 | 8.72 | 8.50 |
| | 202mm | 207mm | 104mm | 103mm | 159mm | 159mm | 171mm | 175mm | | 152mm | 222mm | 175mm | 222mm | 200mm | 195mm | 221mm | 216mm |
| AMP1082L AMP1082LF | 9.93 | 8.15 | 2.70 | 2.68 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 PLPVC108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.89 | 9.67 | 8.72 | 10.50 |
| | 252mm | 207mm | 69mm | 68mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 200mm | 246mm | 221mm | 267mm |
| AMP1084L AMP1084LF | 9.93 | 8.15 | 4.08 | 4.06 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 PLPVC108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.89 | 9.67 | 8.72 | 10.50 |
| | 252mm | 207mm | 104mm | 103mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 200mm | 246mm | 221mm | 267mm |
| AMP1086L AMP1086LF | 9.90 | 8.12 | 5.94 | 6.06 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 PLPVC108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.89 | 9.67 | 8.72 | 10.50 |
| | 251mm | 206mm | 151mm | 154mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 200mm | 246mm | 221mm | 267mm |
| AMP1204L AMP1204LF | 11.93 | 10.15 | 4.08 | 4.16 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 PLPVC120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.89 | 11.67 | 10.72 | 12.50 |
| | 303mm | 258mm | 104mm | 106mm | 260mm | 210mm | 273mm | 225mm | | 203mm | 324mm | 224mm | 323mm | 251mm | 296mm | 272mm | 318mm |
| AMP1206L AMP1206LF | 11.93 | 10.15 | 6.08 | 6.06 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 PLPVC120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.89 | 11.67 | 10.72 | 12.50 |
| | 303mm | 258mm | 154mm | 154mm | 260mm | 210mm | 273mm | 225mm | | 203mm | 324mm | 224mm | 323mm | 251mm | 296mm | 272mm | 318mm |
| AMP1426L AMP1426LF | 13.85 | 12.07 | 6.13 | 5.99 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 PLA142 PLPVC142 | 10.01 | 14.75, 14.62 | 10.82 | 14.70 | 11.89 | 13.67 | 12.72 | 14.50 |
| | 352mm | 307mm | 156mm | 152mm | 311mm | 260mm | 324mm | 276mm | | 254mm | 375, 371mm | 275mm | 373mm | 302mm | 347mm | 323mm | 368mm |
| AMP1648L AMP1648LF | 15.98 | 13.98 | 8.00 | 8.27 | 14.25 | 12.25 | 14.75 | 12.88 | P164 PA164 PLPVC164 | 12.00 | 17.75 | 11.47 | 17.91 | 13.68 | 15.63 | 15.04 | 17.23 |
| | 406mm | 355mm | 203mm | 210mm | 362mm | 311mm | 375mm | 327mm | | 305mm | 451mm | 291mm | 455mm | 347mm | 397mm | 382mm | 438mm |
| AMP1860L AMP1860LF | 18.04 | 16.04 | 10.00 | 10.27 | 16.22 | 14.25 | 16.88 | 14.88 | P186 PA186 PLPVC186 | 12.00 | 19.63, 19.51 | 13.72 | 19.91 | 15.68 | 17.68 | 17.10 | 19.28 |
| | 458mm | 407mm | 254mm | 261mm | 412mm | 362mm | 429mm | 378mm | | 305mm | 499, 496mm | 349mm | 506mm | 398mm | 454mm | 434mm | 490mm |

All dimensions are in inches unless otherwise noted
"I" dimensions with multiple numbers indicate slotted holes
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMP664L)
Add "F" to the part number for factory installed flanges (ex. AMP664LF)

Data subject to change without notice

# AMP Series - POLYLINE® JIC Size Junction Boxes:

## *Metal Snap Latch Hinged Cover – Clear Polycarbonate*

## PRODUCT INFORMATION

### Application

- Designed to insulate and protect controls and components in both indoor and outdoor applications often found in industrial control panels, pump controls/ waste water treatment, irrigation/water control, solar/wind, and chemical plants
- Light weight, impact resistant and good corrosion resistance for many industrial enclosure applications and a great alternative to metallic enclosures
- Protects from dirt, dust, and water

### Standards

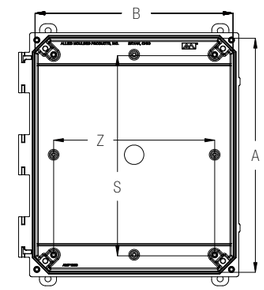
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
- RoHS directive

### Construction

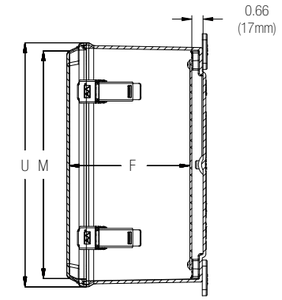
- Injection molded polycarbonate thermoplastic – clear cover, enclosure base, feet and flanges
- Enclosure base, feet, and flanges – Light gray color (RAL 7035)
  Note: flanged models are pre-assembled, foot models mounting hardware supplied in a bag
- Stainless steel padlockable snap latches, hinge pin and foot/flange mounting hardware
- Cover seal – Formed-In-Place (FIP) polyurethane gasket system
- #10-32 threaded brass inserts are installed for optional back panel mounting

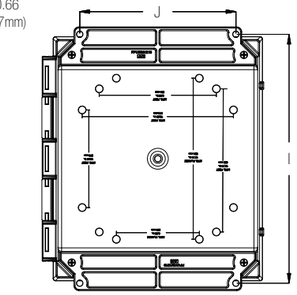
### Accessories

- Optional back panels (white painted steel and aluminum) and hinged front panels (aluminum)
- Optional mounting hardware based on model number – foot or flange mount
- Additional molded-in mounting bosses available for directly mounting DIN rails

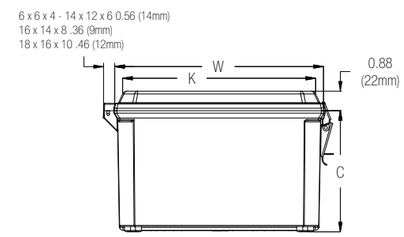



NOTE: COVER REMOVED FOR CLARITY



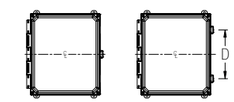

FLANGE MOUNT

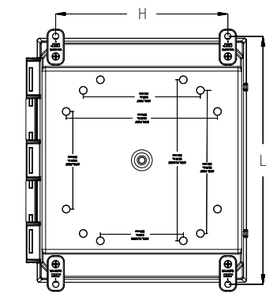



*Nom. Wall Thickness: .14 (4mm); sizes 14"through18" .19 (5mm)

LATCH LOCATIONS

| FOR USE ON | FOR USE ON |
|---|---|
| 6 x 6 x 4 | 12 x 10 x 4(6) D=7.50 (191mm) |
| 8 x 6 x 4 | 14 x 12 x 6 D=8.00 (203mm) |
| 8 x 8 x 4 | 16 x 14 x 8 D=10.5 (267mm) |
| 10 x 8 x 2(4,6) | 18 x 16 x 10 D=12.5 (318mm) |




FOOT MOUNT

| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Back Panel Size | | | Flange Mount Centers | | Foot Mount Centers | | Cover Size | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | J | I | H | L | K | M | W | U |
| AMP664CCL<br>AMP664CCLF | 6.03 | 6.26 | 4.08 | 4.06 | 4.25 | 4.25 | 4.81 | 4.81 | PL66<br>PLA66<br>PLPVC66 | 4.00 | 6.88, 6.75 | 4.91 | 6.75 | 5.89 | 5.67 | 6.72 | 6.50 |
| | 153mm | 159mm | 104mm | 103mm | 108mm | 108mm | 122mm | 122mm | | 102mm | 175, 171mm | 125mm | 171mm | 150mm | 144mm | 171mm | 165mm |
| AMP864CCLH<br>AMP864CCLF | 7.94 | 6.16 | 4.08 | 4.06 | 6.25 | 4.25 | 6.75 | 4.88 | PL86<br>PLA86<br>PLPVC86 | 4.00 | 8.88, 8.75 | 4.91 | 8.75 | 5.89 | 7.67 | 6.72 | 8.50 |
| | 202mm | 156mm | 104mm | 103mm | 159mm | 108mm | 171mm | 124mm | | 102mm | 226, 222mm | 125mm | 222mm | 150mm | 195mm | 171mm | 216mm |
| AMP884CCL<br>AMP884CCLF | 7.94 | 8.16 | 4.08 | 4.06 | 6.25 | 6.25 | 6.75 | 6.88 | PL88<br>PLA88<br>PLPVC88 | 6.00 | 8.75 | 6.91 | 8.75 | 7.89 | 7.67 | 8.72 | 8.50 |
| | 202mm | 207mm | 104mm | 103mm | 159mm | 159mm | 171mm | 175mm | | 152mm | 222mm | 175mm | 222mm | 200mm | 195mm | 221mm | 216mm |
| AMP1082CCL<br>AMP1082CCLF | 9.93 | 8.15 | 2.70 | 2.68 | 8.25 | 6.25 | 8.75 | 6.88 | PL108<br>PLA108<br>PLPVC108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.89 | 9.67 | 8.72 | 10.50 |
| | 252mm | 207mm | 69mm | 68mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 200mm | 246mm | 221mm | 267mm |
| AMP1084CCL<br>AMP1084CCLF | 9.93 | 8.15 | 4.08 | 4.06 | 8.25 | 6.25 | 8.75 | 6.88 | PL108<br>PLA108<br>PLPVC108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.89 | 9.67 | 8.72 | 10.50 |
| | 252mm | 207mm | 104mm | 103mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 200mm | 246mm | 221mm | 267mm |
| AMP1086CCL<br>AMP1086CCLF | 9.90 | 8.12 | 5.94 | 6.06 | 8.25 | 6.25 | 8.75 | 6.88 | PL108<br>PLA108<br>PLPVC108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.89 | 9.67 | 8.72 | 10.50 |
| | 251mm | 206mm | 151mm | 154mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 200mm | 246mm | 221mm | 267mm |
| AMP1204CCL<br>AMP1204CCLF | 11.93 | 10.15 | 4.08 | 4.16 | 10.25 | 8.25 | 10.75 | 8.88 | PL120<br>PLA120<br>PLPVC120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.89 | 11.67 | 10.72 | 12.50 |
| | 303mm | 258mm | 104mm | 106mm | 260mm | 210mm | 273mm | 225mm | | 203mm | 324mm | 224mm | 323mm | 251mm | 296mm | 272mm | 318mm |
| AMP1206CCL<br>AMP1206CCLF | 11.93 | 10.15 | 6.08 | 6.06 | 10.25 | 8.25 | 10.75 | 8.88 | PL120<br>PLA120<br>PLPVC120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.89 | 11.67 | 10.72 | 12.50 |
| | 303mm | 258mm | 154mm | 154mm | 260mm | 210mm | 273mm | 225mm | | 203mm | 324mm | 224mm | 323mm | 251mm | 296mm | 272mm | 318mm |
| AMP1426CCL<br>AMP1426CCLF | 13.85 | 12.07 | 6.13 | 5.99 | 12.25 | 10.25 | 12.75 | 10.88 | PL142<br>PLA142<br>PLPVC142 | 10.01 | 14.75, 14.62 | 10.82 | 14.70 | 11.89 | 13.67 | 12.72 | 14.50 |
| | 352mm | 307mm | 156mm | 152mm | 311mm | 260mm | 324mm | 276mm | | 254mm | 375, 371mm | 275mm | 373mm | 302mm | 347mm | 323mm | 368mm |
| AMP1648CCL<br>AMP1648CCLF | 15.98 | 13.98 | 8.00 | 8.27 | 14.25 | 12.25 | 14.75 | 12.88 | P164<br>PA164<br>PLPVC164 | 12.00 | 17.75 | 11.47 | 17.91 | 13.68 | 15.63 | 15.04 | 17.23 |
| | 406mm | 355mm | 203mm | 210mm | 362mm | 311mm | 375mm | 327mm | | 305mm | 451mm | 291mm | 455mm | 347mm | 397mm | 382mm | 438mm |
| AMP1860CCL<br>AMP1860CCLF | 18.04 | 16.04 | 10.00 | 10.27 | 16.22 | 14.25 | 16.88 | 14.88 | P186<br>PA186<br>PLPVC186 | 12.00 | 19.63, 19.51 | 13.72 | 19.91 | 15.68 | 17.68 | 17.10 | 19.28 |
| | 458mm | 407mm | 254mm | 261mm | 412mm | 362mm | 429mm | 378mm | | 305mm | 499, 496mm | 349mm | 506mm | 398mm | 454mm | 434mm | 490mm |

All dimensions are in inches unless otherwise noted
"I" dimensions with multiple numbers indicate slotted holes
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMP664CCL)
Add "F" to the part number for factory installed flanges (ex. AMP664CCLF)

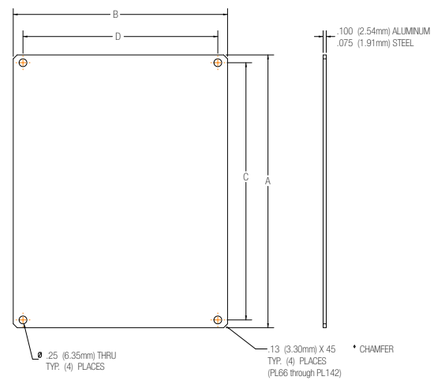
Data subject to change without notice

# POLYLINE® Series Optional Back Panels:

*"PL" Painted White Carbon Steel*
*or "PLA" Aluminum*

| STEEL (P/N) | ALUM (P/N) | PVC (P/N) | A | B | C | D |
|---|---|---|---|---|---|---|
| PL66 | PLA66 | PLPVC66 | 4.81 | 4.81 | 4.25 | 4.25 |
| | | | 122mm | 122mm | 108mm | 108mm |
| PL86 | PLA86 | PLPVC86 | 6.75 | 4.88 | 6.25 | 4.25 |
| | | | 171mm | 124mm | 159mm | 108mm |
| PL88 | PLA88 | PLPVC88 | 6.75 | 6.88 | 6.25 | 6.25 |
| | | | 171mm | 175mm | 159mm | 159mm |
| PL108 | PLA108 | PLPVC108 | 8.75 | 6.88 | 8.25 | 6.25 |
| | | | 222mm | 175mm | 210mm | 159mm |
| PL120 | PLA120 | PLPVC120 | 10.75 | 8.88 | 10.25 | 8.25 |
| | | | 273mm | 226mm | 260mm | 210mm |
| PL142 | PLA142 | PLPVC142 | 12.75 | 10.88 | 12.25 | 10.25 |
| | | | 324mm | 276mm | 311mm | 260mm |
| P164 | PA164 | PLPVC164 | 14.75 | 12.88 | 14.25 | 12.25 |
| | | | 375mm | 327mm | 362mm | 311mm |
| P186 | PA186 | PLPVC186 | 16.88 | 14.88 | 16.25 | 14.25 |
| | | | 429mm | 378mm | 413mm | 362mm |

All dimensions are in inches unless otherwise noted.

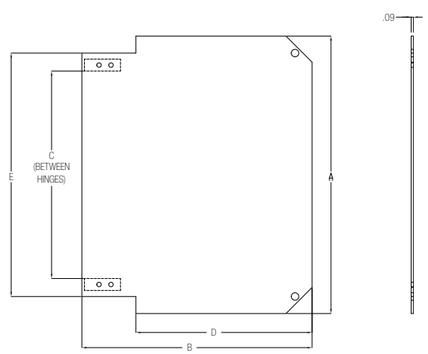



# POLYLINE® Series Optional Adjustable Hinged Front Panels:

*"HFPP" Aluminum Panel Systems*

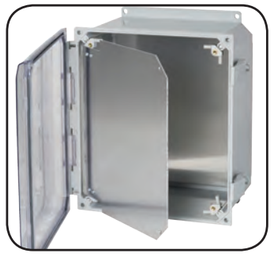
| HFPP Kit (P/N) | Enc. Base (P/N) | A | B | C | D | E |
|---|---|---|---|---|---|---|
| HFPP66 | AMP664 | 5.44 | 5.61 | 2.64 | 3.36 | 4.19 |
| | | 138mm | 142mm | 67mm | 85mm | 106mm |
| HFPP86 | AMP864 | 7.44 | 5.61 | 4.67 | 3.36 | 6.19 |
| | | 189mm | 142mm | 119mm | 85mm | 157mm |
| HFPP88 | AMP884 | 7.44 | 7.63 | 4.64 | 5.38 | 6.19 |
| | | 189mm | 194mm | 118mm | 137mm | 157mm |
| HFPP108 | AMP1084<br>AMP1086 | 9.43 | 7.63 | 6.63 | 5.38 | 8.18 |
| | | 239mm | 194mm | 168mm | 137mm | 208mm |
| HFPP120 | AMP1204<br>AMP1206 | 11.55 | 9.58 | 8.63 | 7.33 | 10.13 |
| | | 293mm | 243mm | 219mm | 186mm | 257mm |
| HFPP142 | AMP1426 | 13.10 | 11.25 | 1061 | 9.00 | 11.75 |
| | | 333mm | 286mm | 269mm | 229mm | 298mm |
| HFPP164 | AMP1648 | 14.75 | 12.88 | 12.23 | 12.13 | 13.44 |
| | | 375mm | 327mm | 245mm | 289mm | 339mm |
| HFPP186 | AMP1860 | 16.88 | 14.88 | 14.19 | 14.13 | 15.44 |
| | | 429mm | 378mm | 295mm | 340mm | 393mm |

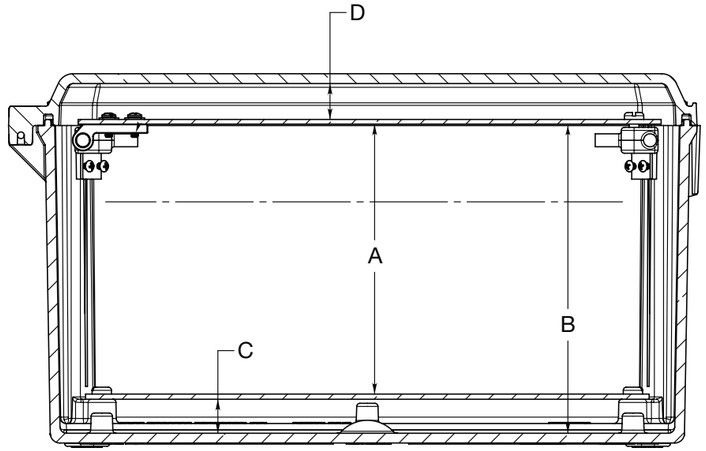
All dimensions are in inches unless otherwise noted.




Optional Accessories

# POLYLINE® Series Adjustable Hinged Front Panels Installed:






| | Enclosure Used With | Optional Aluminum Back Panel | Optional Aluminum Back Panel | Optional Steel Back Panel | Optional Steel Back Panel | Without Optional Back Panel | Optional Steel Back Panel | C=BOTTOM to Panel Mount Bosses | D=Hinged Front Panel to Inside Cover | D=Hinged Front Panel to Inside Cover |
|---|---|---|---|---|---|---|---|---|---|---|
| HFPP Kit (P/N) | (base P/N) | A (MAX.) | A (MIN.) | A (MAX.) | A (MIN.) | B (MAX.) | B (MIN.) | | (MIN.) | (MAX.) |
| HFPP66 | AMP664 | 3.21 | 1.71 | 3.24 | 1.74 | 3.96 | 2.47 | .66 | .76 | 2.26 |
| | | 82mm | 43mm | 82mm | 44mm | 101mm | 63mm | 17mm | 19mm | 57mm |
| HFPP86 | AMP864 | 3.22 | 1.72 | 3.25 | 1.75 | 3.96 | 2.46 | .66 | .76 | 2.26 |
| | | 82mm | 44mm | 83mm | 44mm | 101mm | 62mm | 17mm | 19mm | 57mm |
| HFPP88 | AMP884 | 3.21 | 1.71 | 3.24 | 1.74 | 3.96 | 2.46 | .66 | .76 | 2.26 |
| | | 82mm | 43mm | 82mm | 44mm | 101mm | 62mm | 17mm | 19mm | 57mm |
| HFPP108<br>HFPP120 | AMP1084<br>AMP1204 | 3.21 | 1.71 | 3.24 | 1.74 | 3.96 | 2.46 | .66 | .76 | 2.26 |
| | | 82mm | 43mm | 82mm | 44mm | 101mm | 62mm | 17mm | 19mm | 57mm |
| HFPP120 | AMP1086<br>AMP1206 | 5.21 | 3.71 | 5.24 | 3.74 | 5.96 | 4.47 | .66 | .76 | 2.38 |
| | | 132mm | 94mm | 133mm | 95mm | 151mm | 114mm | 17mm | 19mm | 60mm |
| HFPP142 | AMP1426 | 5.21 | 3.71 | 5.24 | 3.74 | 5.96 | 4.47 | .66 | .76 | 2.19 |
| | | 132mm | 94mm | 133mm | 95mm | 151mm | 114mm | 17mm | 19mm | 56mm |
| HFPP164 | AMP1648 | 6.95 | 1.25 | 6.98 | 1.28 | 7.72 | 2.02 | .66 | 1.19 | 6.89 |
| | | 177mm | 32mm | 177mm | 33mm | 196mm | 51mm | 17mm | 30mm | 175mm |
| HFPP186 | AMP1860 | 8.95 | 1.25 | 8.98 | 1.28 | 9.72 | 2.02 | .66 | 1.19 | 8.89 |
| | | 227mm | 32mm | 228mm | 33mm | 247mm | 51mm | 17mm | 30mm | 226mm |

All dimensions are in inches unless otherwise noted.

# POLYLINE®

Allied Moulded Products, Inc. manufactures a complete line of corrosion and UV resistant NEMA Type 4X nonmetallic enclosures for indoor or outdoor industrial applications. Allied Moulded enclosures are manufactured of engineering grades of thermoset and thermoplastics and offer all the advantages of nonmetallic materials including: UL® (listed), RoHS compliance, increased strength, reduced weight, corrosion resistance, non-conductivity, UV resistance and ease of installation.

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***Enclosure Families and Size Ranges (inches):***

Small Junction Boxes: 7x4x3 through 9x4x3
JIC Series: 6x6x4 through 20x16x10
Control Series: 24x20x8 through 30x24x10
Empire Series: 36x30x12 through 72x49x25

## Optional Accessories

- Hole Plugs
- HMI Cover Kits
- Inspection Windows
- Pole Mount Kits
- Back Panels
- Hinged Front Panels
- Keylock Kits
- NEMA 4X Vent Kit
- Print Pockets
- Exhaust Filter Kit
- Mounting Brackets & Latch Kits

**ALLIED MOULDED PRODUCTS, Inc.®**

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Bryan, OH 43506

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