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 HFPP (hinged front panel POLYLINE®) position. Additional POLYLINE® options include clear covers, 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).
AMP Series Features & Benefits

- Engineering grade thermoplastic-injection molded polycarbonate
- Cover to base design - flush, aesthetically pleasing and more modern architecture
- Patented (US Pat. No. 7,572,975) multi-mounting capability
  - Out-of-the-box polycarbonate flange design (factory installed)
  - Optional polycarbonate foot mount brackets for multi-directional mounting (vertical or horizontal positioning)
  - 316 stainless steel foot/flange mounting screws
- Solid opaque or clear polycarbonate cover options
- Partial molded hinges, providing a secure cover-to-base closure with no wall penetrations
- Formed-In-Place (FIP) polyurethane gasket system
- Mounting panel inserts for optional back panel
- UV stabilized for outdoor use

AMP Series Specifications

- Non-corrosive
- Non-conductive
- Standard RAL 7035 light gray color
- Temperature-resistant
- Fire-resistant
- Rated NEMA 1, 2, 3, 3R, 4, 4X, 12 and 13
- UL® listed
- CSA certified
- Compliant with RoHS directive

Accessories

- Back panels available in painted carbon steel, or aluminum
- Optional hinged front panels
- ULTRAPLUG® hole plugs
- Pole mount kits
- HMI cover kits
- Inspection windows

Modifications

We are pleased to modify any of our standard products to fit your needs with:

- Custom holes and cutouts
- EMI/RFI shielding
- Factory-supplied silk screening

For complete details on factory modifications including a modification request form, see pages 142-144.

www.alliedmoulded.com
AMP Series POLYCARBONATE ENCLOSURES

AMP Series
JIC SIZE JUNCTION BOXES

**Cover Type**
Solid/Opaque

**Closure Type**
Lift-Off Screw Cover

**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"x6" up through 14"x12"), 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6"x6" up through 14"x12"), 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6"x6" up through 14"x12"), 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 construction with flush, solid/opaque cover
- Opaque cover, base, feet, flanges — Light gray color (RAL 7035)
  *Note: foot models mounting hardware supplied in a bag. Flanged models are pre-assembled*
- 316 stainless steel captive cover screws
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel foot/flange mounting hardware
- Polycarbonate hinge clips (16" & 18" sizes)
- Molded-in hinge bosses removed for 6"x6", 8"x6", and 8"x8" enclosure sizes
- #10-32 threaded brass inserts are installed for back panel mounting

**Accessories & Modifications**
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Optional foot/flange mounting hardware
- DIN rail mounting available with molded-in bosses using #10 sheet metal screws
- Factory-supplied silk screening
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).

Part numbers with "F" signify factory installed flanges.

Back panel specifications found on page 130.
AMP Series
JIC SIZE JUNCTION BOXES

Cover Type
Clear Polycarbonate

Closure Type
Lift-Off Screw Cover

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
- Clear polycarbonate instrumentation cover, used in applications where critical electronic equipment must be visible and protected from the elements

Standards
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6”x6” up through 14”x12”), 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6”x6” up through 14”x12”), 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6”x6” up through 14”x12”), 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 construction with flush, clear polycarbonate cover
- Enclosure base, feet, flanges — Light gray color (RAL 7035)
  Note: foot models mounting hardware supplied in a bag. Flanged models are pre-assembled
- 316 stainless steel captive cover screws
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel foot/flange mounting hardware
- Polycarbonate hinge clips (16” & 18” sizes)
- Molded-in hinge bosses removed for 6”x6”, 8”x6”, and 8”x8” enclosure sizes
- #10-32 threaded brass inserts are installed for back panel mounting

Accessories & Modifications
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Optional foot/flange mounting hardware
- DIN rail mounting available with molded-in bosses using #10 sheet metal screws
- Factory-supplied silk screening
<table>
<thead>
<tr>
<th>Part No.</th>
<th>Box Size</th>
<th>Usable Depth</th>
<th>Panel Boss Centers</th>
<th>Back Panel Size</th>
<th>Flange Mount Centers</th>
<th>Foot Mount Centers</th>
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<td>1.25</td>
<td>4.81</td>
<td>6.48</td>
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</table>

All dimensions are in inches unless otherwise noted.

All "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).

Part numbers with "F" signify factory installed flanges (ex. AMP664CCF).

Back panel specifications found on page 130.

Data subject to change without notice.
AMP Series
JIC SIZE JUNCTION BOXES

Cover Type
Solid/Opaque

Closure Type
Hinged Screw Cover

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 construction with flush, solid/opaque cover
- Opaque cover, base, feet, flanges — Light gray color (RAL 7035)
  Note: foot models mounting hardware supplied in a bag.
  Flanged models are pre-assembled
- 316 stainless steel captive cover screws
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel foot/flange mounting hardware
- 316 stainless steel hinge pin (6”-14” sizes)
- Polycarbonate hinge clips (16” & 18” sizes)
- #10-32 threaded brass inserts are installed for back panel mounting

Accessories & Modifications
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Optional foot/flange mounting hardware
- DIN rail mounting available with molded-in bosses using #10 sheet metal screws
- Factory-supplied silk screening
### Part No. Specifications

<table>
<thead>
<tr>
<th>Box Size</th>
<th>Usable Depth</th>
<th>Panel Boss Centers</th>
<th>Back Panel Size</th>
<th>Flange Mount Centers</th>
<th>Foot Mount Centers</th>
<th>Cover Size</th>
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<td>P/N</td>
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<td>472mm</td>
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</tbody>
</table>

All dimensions are in inches unless otherwise noted.

- “F” dimensions with multiple numbers indicate slotted holes.
- Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMP664H).
- Part numbers with “F” signify factory installed flanges (ex. AMP664HF).
- Back panel specifications found on page 130.

**NOTE:** COVER REMOVED FOR CLARITY

**FLANGE MOUNT**

**FOOT MOUNT**

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- Standards
- Ultraguard® Fiberglass
- AM Series
- AMR
- Controls
- Empire
- Ultraline®
- Polyline® Accessories
- Mods
- Technical

**P: 1.800.722.2679 | sales@alliedmoulded.com | www.AlliedMoulded.com**

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**RoHS Compliant**

**CUL US**

**CE**

**C US**

**ISO**

**CE**

**C US**

**INDEX**

**POLYLINE®**
AMP Series
JIC SIZE JUNCTION BOXES

Cover Type
Clear Polycarbonate

Closure Type
Hinged Screw Cover

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
- Clear polycarbonate instrumentation cover, used in applications where critical electronic equipment must be visible and protected from the elements

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, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction
- Injection molded polycarbonate thermoplastic construction with flush, clear polycarbonate cover
- Enclosure base, feet, flanges — Light gray color (RAL 7035)
  Note: foot models mounting hardware supplied in a bag. Flanged models are pre-assembled
- 316 stainless steel captive cover screws
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel foot/flange mounting hardware
- 316 stainless steel hinge pin (6”-14” sizes)
- Polycarbonate hinge clips (16” & 18” sizes)
- #10-32 threaded brass inserts are installed for back panel mounting

Accessories & Modifications
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Optional foot/flange mounting hardware
- DIN rail mounting available with molded-in bosses using #10 sheet metal screws
- Factory-supplied silk screening
<table>
<thead>
<tr>
<th>Part No.</th>
<th>Box Size</th>
<th>Usable Depth</th>
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All dimensions are in inches unless otherwise noted

*Nom. Wall Thickness: .14 (4mm)
14” thru 18” sizes: .19 (5mm)

Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMP664CCH)
Part numbers with “F” signify factory installed flanges (ex. AMP664CCHF)
Back panel specifications found on page 130
AMP Series
JIC SIZE JUNCTION BOXES

Cover Type
Solid/Opaque

Closure Type
Nonmetal Snap Latch
Hinged Cover

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:
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Construction
- Injection molded polycarbonate thermoplastic construction with flush, solid/opaque cover
- Opaque cover, base, snap latches, feet, flanges — Light gray color (RAL 7035)
  Note: foot models mounting hardware supplied in a bag. Flanged models are pre-assembled
- Polycarbonate snap latches feature padlock hasp (.281" dia.)—(AMP1082 not available)
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel foot/flange mounting hardware
- 316 stainless steel hinge pin (6"-14" sizes)
- Polycarbonate hinge clips (16" & 18" sizes)
- #10-32 threaded brass inserts are installed for back panel mounting

Accessories & Modifications
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Optional foot/flange mounting hardware
- DIN rail mounting available with molded-in bosses using #10 sheet metal screws
- Factory-supplied silk screening
<table>
<thead>
<tr>
<th>Part No.</th>
<th>Box Size</th>
<th>Usable Depth</th>
<th>Panel Boss Centers</th>
<th>Back Panel Size</th>
<th>Flange Mount Centers</th>
<th>Foot Mount Centers</th>
<th>Cover Size</th>
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</tbody>
</table>

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)

Part numbers with "F" signify factory installed flanges (ex. AMP664NL)

Back panel specifications found on page 130

Data subject to change without notice
AMP Series
JIC SIZE JUNCTION BOXES

Cover Type
Clear Polycarbonate

Closure Type
Nonmetal Snap Latch
Hinged Cover

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

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- Clear polycarbonate instrumentation cover, used in applications where critical electronic equipment must be visible and protected from the elements

Standards
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
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Construction
- Injection molded polycarbonate thermoplastic construction with flush, clear polycarbonate cover
- Enclosure base, feet, flanges — Light gray color (RAL 7035)
- Polycarbonate snap latches feature padlock hasp (.281” dia.) — (AMP1082 not available)
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
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- Optional back panels and hinged front panels
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- DIN rail mounting available with molded-in bosses using #10 sheet metal screws
- Factory-supplied silk screening
## AMP Series

**JIC SIZE JUNCTION BOXES**

### Cover Type
Solid/Opaque

### Closure Type
Snap Latch Hinged Cover

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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
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<table>
<thead>
<tr>
<th>Part No.</th>
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<th>Foot Mount Centers</th>
<th>Cover Size</th>
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<td>F x Z (in)</td>
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**Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMP664L).**

**Part numbers with “F” signify factory installed flanges (ex. AMP664LF).**

**Back panel specifications found on page 130.**
AMP Series
JIC SIZE JUNCTION BOXES

Cover Type
Clear Polycarbonate

Closure Type
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**LATCH LOCATIONS**

**FOR USE ON**
- 6 x 6 x 4
- 8 x 8 x 4
- 10 x 8 x 4

**FOR USE ON**
- 12 x 10 x 6.5
- 14 x 12 x 6.5

**Cover Size**
- 275mm
- 8.82
- 5.99

**Panel Boss Centers**

<table>
<thead>
<tr>
<th>Box Size</th>
<th>Usable Depth</th>
<th>Panel Boss Centers</th>
<th>Back Panel Size</th>
<th>Flange Mount Centers</th>
<th>Foot Mount Centers</th>
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<tbody>
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All dimensions are in inches unless otherwise noted.

**FLANGE MOUNTS**

**Nom. Wall Thickness: .14 (4mm)**

**14" thru 18" sizes: .19 (5mm)**

**Panel Mount Flanges**

- **FLANGE MOUNT**
  - **Box Size**
    - 14" x 18" x 10.50
  - **Panel Boss Centers**
    - **Back Panel Size**
      - **Ht.**
        - 8.12
      - **Wid.**
        - 8.12
    - **Panel Boss Centers**
      - **Back Panel Size**
        - **Ht.**
          - 8.12
        - **Wid.**
          - 8.12
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      - **Back Panel Size**
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    - **Panel Boss Centers**
      - **Back Panel Size**
        - **Ht.**
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        - **Wid.**
          - 8.12
    - **Panel Boss Centers**
      - **Back Panel Size**
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        - **Wid.**
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    - **Panel Boss Centers**
      - **Back Panel Size**
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          - 8.12
        - **Wid.**
          - 8.12
    - **Panel Boss Centers**
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        - **Wid.**
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    - **Panel Boss Centers**
      - **Back Panel Size**
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          - 8.12
        - **Wid.**
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    - **Panel Boss Centers**
      - **Back Panel Size**
        - **Ht.**
          - 8.12
        - **Wid.**
          - 8.12

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