The larger Control Series offers standard features as well as full-panel access and all usable panel space. In addition, the standard gray cover is available with or without a polycarbonate viewing window. Other options include removable aluminum hinged front panel and back panels.

Control Series enclosures insulate and protect controls and components against the toughest elements in the harshest environments. They are available in popular larger sizes and depths, along with standard stainless steel hinges and latches.
Control Series Features & Benefits

- Molded ULTRAGUARD® fiberglass reinforced polyester material construction for durability
- One-piece body construction provides added dimensional stability
- (2) 316 stainless steel hinges
- Formed-In-Place (FIP) polyurethane gasket system
- Matching raised cover
- 316 stainless steel hardware and mounting feet
- Mounting panel inserts for optional back panel
- UV stabilized for outdoor use

Control 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, 13
- UL® listed
- CSA certified
- Compliant with RoHS directive

Accessories

- Back panels available in painted carbon steel, aluminum, fiberglass, or galvannealed steel
- Aluminum hinged front panel for configuration flexibility
- ULTRAPLUG® hole plugs
- Pole mount kits
- HMI cover kits
- Inspection windows
- UV resistant polycarbonate viewing windows

Modifications

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

- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matching
- 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
Control Series:
Snap Latch Hinged Cover
• Solid/Opaque

Application
• Designed to insulate and house electrical and electronic controls, instruments or components for indoor and outdoor applications
• Especially well suited for high temperature or corrosive environments
• Protects from dirt, dust, oil, 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
• Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching raised cover
• Light gray color (RAL 7035)
• 316 stainless steel snap latches with padlock hasp
• (2) 316 stainless steel hinges
• Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
• 316 stainless steel wall mounting feet with 3/8-16 stainless steel screws included
• 3/8-16 threaded brass inserts are installed for back panel mounting
• UV stabilized for outdoor use

Accessories & Modifications
• Optional back panels and hinged front panels
• Custom holes and cutouts
• Custom size polycarbonate viewing windows
• Molded-in color matching
• EMI/RFI shielding
• Factory-supplied silk screening
Note: Cover removed for clarity

Nominal 1/8" (3mm) wall thickness

LATCH LOCATIONS

For use on:
24x20x8 D=15.00 (406mm)
24x24x8 D=15.00 (406mm)
30x24x8 D=19.98 (507mm)
24x20x10 D=15.00 (406mm)
24x24x10 D=15.00 (406mm)
30x24x10 D=19.98 (507mm)

<table>
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<th>Part No.</th>
<th>Box Size</th>
<th>Usable Depth</th>
<th>Panel Boss Centers</th>
<th>Panel Sizes</th>
<th>Foot Mount Centers</th>
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All dimensions are in inches unless otherwise noted
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AM24208RL)
Additional back panels found on page 128

Data subject to change without notice
Product Information

**Application**
- Designed to insulate and house electrical and electronic controls, instruments or components for indoor and outdoor applications
- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil, and water
- Window unit provides viewing area for instrumentation or equipment

**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**
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching viewing window cover
- Light gray color (RAL 7035)
- 316 stainless steel snap latches with padlock hasp
- (2) 316 stainless steel hinges
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting feet with 3/8-16 stainless steel screws included
- 3/8-16 threaded brass inserts are installed for back panel mounting
- UV stabilized for outdoor use

**Accessories & Modifications**
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening
### LATCH LOCATIONS

For use on:
- 24x20x8 D=15.00 (406mm)
- 24x24x8 D=15.00 (406mm)
- 30x24x8 D=19.98 (507mm)
- 24x20x10 D=15.00 (406mm)
- 24x24x10 D=15.00 (406mm)
- 30x24x10 D=19.98 (507mm)

### Nominal 1/8” (3mm) wall thickness

---

### Part No. Box Size Usable Depth Panel Boss Centers Panel Sizes Foot Mount Centers Cover Size Window Dimension (Height x Width)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Box Size</th>
<th>Usable Depth</th>
<th>Panel Boss Centers</th>
<th>Panel Sizes</th>
<th>Foot Mount Centers</th>
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All dimensions are in inches unless otherwise noted.  
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AM24208RLW)  
Additional back panels found on page 128

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Note: Cover removed for clarity

All standard Polyline® ultraguard® fiberglass AM series AM-R control ultraline® empire accessories technical index AMHD-R MODS

Phone: 1-800-722-2679  Fax: 1-800-237-7269  Email: sales@alliedmoulded.com

RoHS compliant  CUL US  CE  UL US  ISO  CE

ALLIED MOULDED PRODUCTS, INC.

INDEX
Application

• Designed to insulate and house electrical and electronic controls, instruments or components for indoor and outdoor applications
• Especially well suited for high temperature or corrosive environments
• Protects from dirt, dust, oil, 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

• Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching raised cover
• Light gray color (RAL 7035)
• 316 stainless steel twist latches with padlock hasp
• (2) 316 stainless steel hinges
• Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
• 316 stainless steel wall mounting feet with 3/8-16 stainless steel screws included
• 3/8-16 threaded brass inserts are installed for back panel mounting
• UV stabilized for outdoor use

Accessories & Modifications

• Optional back panels and hinged front panels
• Custom holes and cutouts
• Custom size polycarbonate viewing windows
• Molded-in color matching
• EMI/RFI shielding
• Factory-supplied silk screening
Nominal 1/8" (3mm) wall thickness

Note: Cover removed for clarity

LATCH LOCATIONS

For use on:
24x20x8 D=15.00 (406mm)
24x24x8 D=15.00 (406mm)
30x24x8 D=19.98 (507mm)

Part No.  Box Size  Usable Depth  Panel Boss Centers  Panel Sizes  Foot Mount Centers  Cover Size
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<th>C</th>
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<td>32.85</td>
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<td>31.59</td>
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</table>

All dimensions are in inches unless otherwise noted
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AM24208RT)
Additional back panels found on page 128

Data subject to change without notice

Phone: 1-800-722-2679    Fax: 1-800-237-7269    Email: sales@alliedmoulded.com
Control Series:
*Twist Latch Hinged Cover*

- **Window**

### Application
- Designed to insulate and house electrical and electronic controls, instruments or components for indoor and outdoor applications
- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil, and water
- Window unit provides viewing area for instrumentation or equipment

### 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
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching viewing window cover
- Light gray color (RAL 7035)
- 316 stainless steel twist latches with padlock hasp
- (2) 316 stainless steel hinges
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting feet with 3/8-16 stainless steel screws included
- 3/8-16 threaded brass inserts are installed for back panel mounting
- UV stabilized for outdoor use

### Accessories & Modifications
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening
Part No. | Box Size | Usable Depth | Panel Boss Centers | Panel Sizes | Foot Mount Centers | Cover Size | Window Dimension (Height x Width)
---|---|---|---|---|---|---|---
AM24208RTW | 24.00 | 20.00 | 8.13 | 8.59 | 19.25 | 15.25 | 21.00 | 17.00 | P2420 | 24.00 | 20.16 | 24.16 | 25.59 | 21.59 | 16.00 x 12.00
PA2420 | 18.75 | 26.85 | 20.16 | 24.16 | 25.59 | 21.59 | 16.00 x 12.00
AM24248RTW | 24.00 | 24.00 | 8.13 | 8.53 | 19.25 | 19.25 | 21.00 | 21.00 | P2424 | 18.75 | 26.85 | 24.16 | 25.59 | 25.59 | 16.00 x 16.00
PA2424 | 22.75 | 32.85 | 24.16 | 30.16 | 31.59 | 25.59 | 23.00 x 17.00
AM30240RTW | 30.00 | 24.00 | 8.13 | 8.54 | 25.25 | 19.25 | 27.00 | 21.00 | P3024 | 18.75 | 32.85 | 24.16 | 30.16 | 31.59 | 25.59 | 23.00 x 17.00
PA3024 | 22.75 | 32.85 | 24.16 | 30.16 | 31.59 | 25.59 | 23.00 x 17.00
AM24200RTW | 24.00 | 20.00 | 10.13 | 10.54 | 19.25 | 15.25 | 21.00 | 17.00 | P2420 | 18.75 | 26.85 | 24.16 | 25.59 | 21.59 | 16.00 x 12.00
PA2420 | 18.75 | 26.85 | 24.16 | 25.59 | 21.59 | 16.00 x 12.00
AM24240RTW | 24.00 | 24.00 | 10.13 | 10.54 | 19.25 | 19.25 | 21.00 | 21.00 | P2424 | 22.75 | 32.85 | 24.16 | 30.16 | 31.59 | 25.59 | 23.00 x 17.00
PA2424 | 22.75 | 32.85 | 24.16 | 30.16 | 31.59 | 25.59 | 23.00 x 17.00
AM30240RTW | 30.00 | 24.00 | 10.13 | 10.54 | 25.25 | 19.25 | 27.00 | 21.00 | P3024 | 22.75 | 32.85 | 24.16 | 30.16 | 31.59 | 25.59 | 23.00 x 17.00
PA3024 | 22.75 | 32.85 | 24.16 | 30.16 | 31.59 | 25.59 | 23.00 x 17.00

All dimensions are in inches unless otherwise noted.
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AM24208RTW)
Additional back panels found on page 128.
### CONTROL SERIES FIBERGLASS ENCLOSURES

#### Control XL Series:

**3-Point Latching Handle**

- **Opaque/Clear**

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<tr>
<th><strong>Application</strong></th>
<th><strong>Construction</strong></th>
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<tbody>
<tr>
<td>• Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications</td>
<td>• Compression molded cover and two piece box from ULTRAGUARD® material in standard light gray RAL 7035 color</td>
</tr>
<tr>
<td>• Especially well suited for high temperature or corrosive environments</td>
<td>• 316 stainless steel 3-point latching handle with padlock provision</td>
</tr>
<tr>
<td>• Protects from dirt, dust, oil, and water</td>
<td>• Formed-In-Place (FIP) polyurethane gasket system provides sealing means to meet IP66/NEMA 4X rating</td>
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<tr>
<td>• For use with industrial control equipment</td>
<td>• Rain guard is molded into enclosure box frame top and bottom for additional protection</td>
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<td>• Window unit provides viewing area for instrumentation or equipment</td>
<td>• Can easily be reconfigured for RH or LH door opening operation</td>
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<tr>
<th><strong>Standards</strong></th>
<th><strong>Accessories &amp; Modifications</strong></th>
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<td>• UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13; UL 508A</td>
<td>• Optional back panels and hinged front panels</td>
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<tr>
<td>• CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13</td>
<td>• Custom holes and cutouts</td>
</tr>
<tr>
<td>• Complies with:</td>
<td>• Custom size polycarbonate viewing windows</td>
</tr>
<tr>
<td>• NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13</td>
<td>• Factory-supplied silk screening</td>
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<tr>
<td>• IEC 60529 Type IP66</td>
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<td>• RoHS directive</td>
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<th>Overall Box Size</th>
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<th>Panel Mount Centers</th>
<th>Enclosure Opening</th>
<th>Panel Sizes</th>
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* Viewing window is optional.

Panel adjustment: (K) 6.38” (162mm)

All dimensions are in inches unless otherwise noted.

Data subject to change without notice.