# THE FIBERGLASS ADVANTAGE

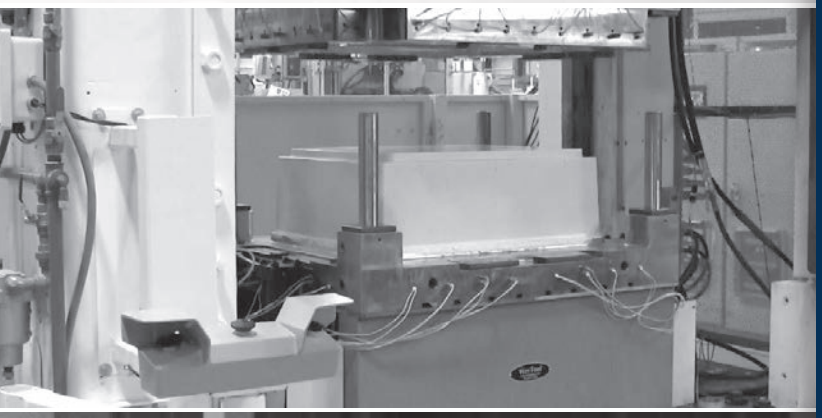
## FIBERGLASS REINFORCED POLYESTER (FRP)

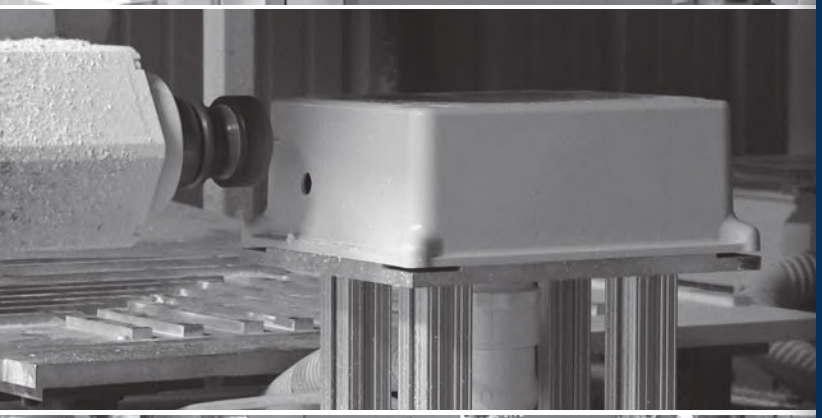
### The Superior Enclosure Material

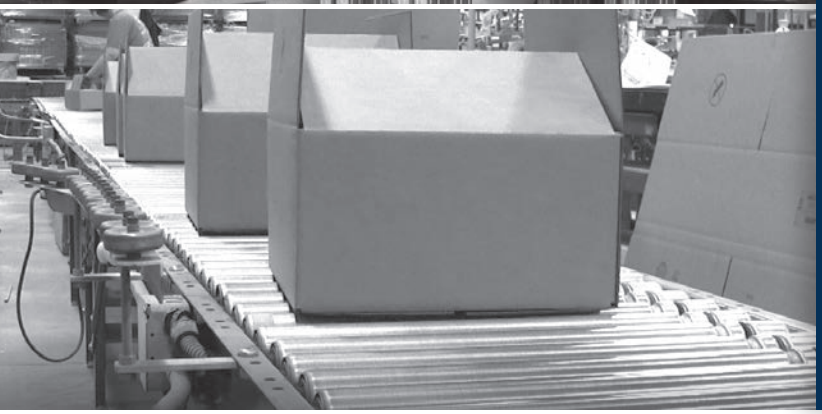
Allied Moulded fiberglass enclosures are fabricated from our own proprietary ULTRAGUARD® formulation. This material provides superior performance and protective properties in a wide variety of environments.

### Beyond Meeting Standards to Exceeding Expectations

Of course, Allied Moulded fiberglass enclosures are designed and regularly tested to meet stringent UL® and CSA® specifications, but we don't stop there. Our full line of corrosion-resistant, maintenance-free fiberglass enclosures is designed to provide optimum protection in the harshest environments, from water treatment facilities and irrigation systems to oil refineries and chemical processing plants.







## OUTPERFORMING THE

# ALTERNATIVES

Fiberglass reinforced polyester (FRP) offers significant benefits over metal enclosures such as carbon and stainless steel.

Compare them and you'll discover that fiberglass reinforced polyester enclosures are:

- Lighter and easier to handle
- Strong enough to hold up under extreme conditions
- Equal to stainless steel in corrosion and chemical resistance, and far better than carbon steel
- Non-conductive—an electrical insulator rather than electrical conductor
- Much easier to punch, drill or saw
- Less expensive to ship

Allied Moulded enclosures also outperform other nonmetallic alternatives in areas such as:

- Chemical resistance
- Protection against degradation due to UV exposure
- Resistance to extreme temperatures
- Flame retardant properties

***Take the time to compare the cost, quality and performance of our fiberglass reinforced polyester products and you'll see why we say Allied Moulded has the superior enclosure solutions.***

**Performance Comparison of Enclosure Materials**

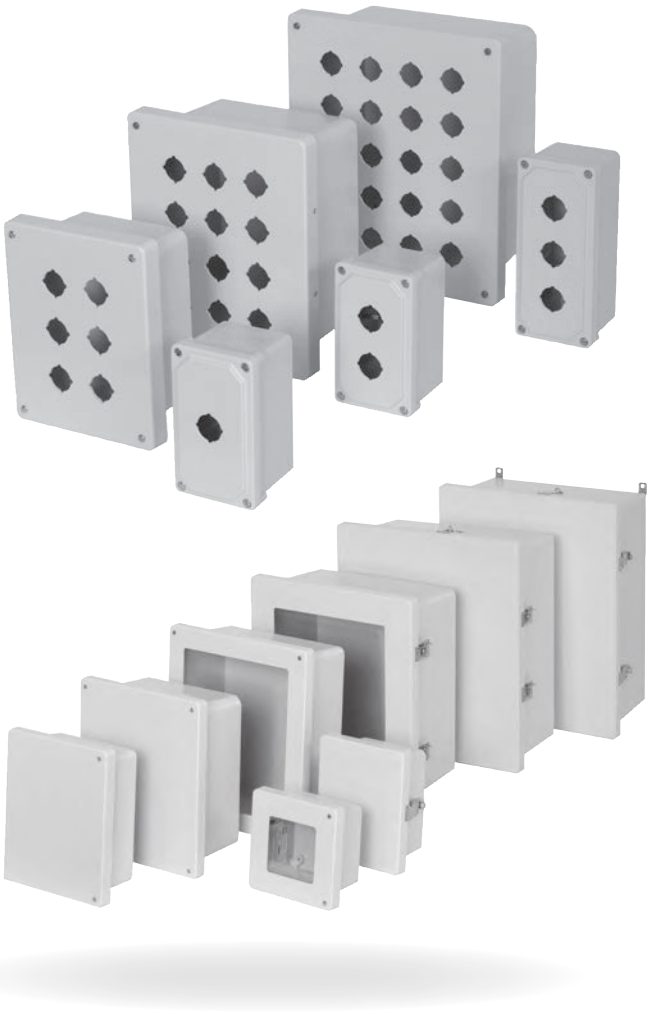
| | Fiberglass | Stainless Steel | Carbon Steel | PVC | Polycarbonate |
|---|---|---|---|---|---|
| Corrosive Resistance | Excellent | Excellent | Poor | Excellent | Fair |
| Chemical Resistance | Excellent | Excellent | Poor | Very Good | Good |
| Relative Cost | Low | High | Low to Moderate | Low | Low to Moderate |
| Drilling, Punching & Cutting | Very Easy | Extremely Hard | Hard | Very Easy | Easy |
| Dielectric Strength | Electrical Insulator | Electrical Conductor | Electrical Conductor | Electrical Insulator | Electrical Insulator |
| Weight | Light | Heavy | Heavy | Light | Light |

## AM SERIES

# FIBERGLASS

AM Series boxes are designed to insulate and protect controls and components in both indoor and outdoor applications and are especially well suited for high temperature or corrosive environments. They feature flat covers with a variety of latching options that allow you to provide the level of security and ease of access needed for each application.

The AM Series offers a wide variety of sizes and configurations including small junction boxes; inline pushbutton enclosures in one, two, or three-hole configurations and two hole sizes; and standard JIC size enclosures.



Scan to learn more

## AM Series Features & Benefits

- Molded ULTRAGUARD® fiberglass reinforced polyester (FRP) material construction for durability
- Continuous 316 stainless steel hinge
- Formed-In-Place (FIP) polyurethane gasket system
- Matching flat cover
- 316 stainless steel hardware and mounting feet
- Mounting panel inserts for optional back panel
- UV stabilized for outdoor use

## AM 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
- 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
- Hinge installed on short side
- 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**

# AM Series

## SMALL JUNCTION BOXES

### Cover Type

Solid/Opaque

### Closure Type

Lift-Off Screw Cover

## Application

Designed for use as electrical junction boxes, terminal wiring boxes, instrumentation housings, and electrical control enclosures

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment

## Standards

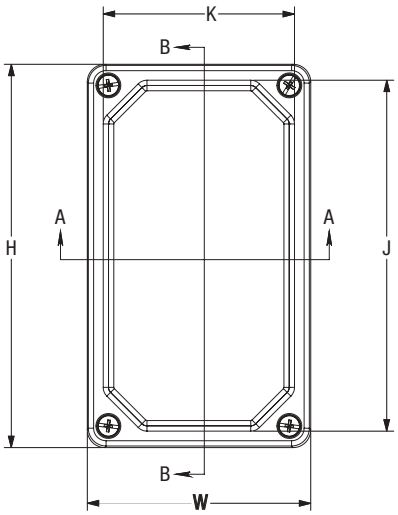
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

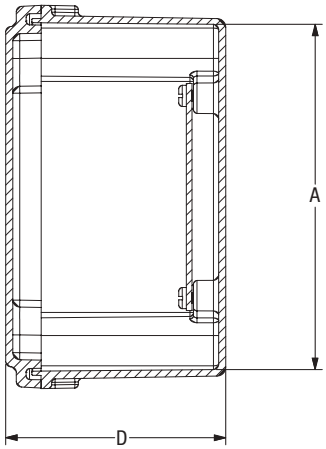
## Construction

- Rugged, molded ULTRAGUARD® fiberglass reinforced polyester material construction with reinforced corners
- Two sizes: 7"x4"x3" and 9"x4"x3"
- 316 stainless steel captive cover screws
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting feet with 10-32 stainless steel screws included
- #10-32 threaded brass inserts for optional back panel installation
- UV stabilized for outdoor use

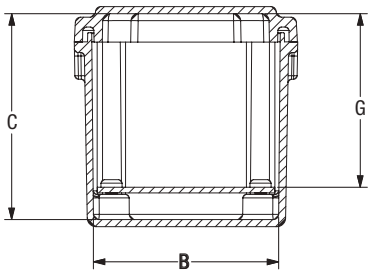
## Accessories & Modifications

- Optional back panels
- Custom holes & cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening

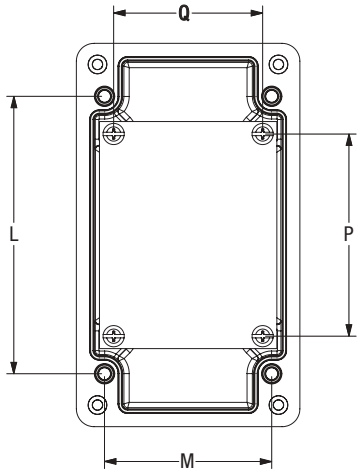



SECTION B-B




SECTION A-A




TOP VIEW WITH COVER REMOVED
(SHOWN WITH OPTIONAL BACK PANEL)

***Nom. Wall Thickness: .125 (3.2mm)**

| Part No. | Overall | | | Inside | | | | Panel Sizes | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | H | W | D | A | B | C | G | Ht. | Wid. | P/N | J | K | L | M | P | Q |
| AM743 | 6.74 | 3.95 | 3.88 | 6.01 | 3.26 | 3.63 | 3.08 | 4.00 | 3.13 | PA74 PF74 | 6.13 | 3.31 | 4.89 | 2.95 | 3.56 | 2.63 |
| | 171mm | 100mm | 98mm | 153mm | 83mm | 92mm | 78mm | 102mm | 80mm | | 156mm | 84mm | 124mm | 75mm | 90mm | 67mm |
| *AM743SF | 6.74 | 3.95 | 3.88 | 6.01 | 3.26 | 3.63 | 3.08 | 4.00 | 3.13 | PA74 PF74 | 6.13 | 3.31 | 4.89 | 2.95 | 3.56 | 2.63 |
| | 171mm | 100mm | 98mm | 153mm | 83mm | 92mm | 78mm | 102mm | 80mm | | 156mm | 84mm | 124mm | 75mm | 90mm | 67mm |
| AM943 | 8.99 | 3.93 | 3.88 | 8.26 | 3.26 | 3.63 | 3.08 | 6.25 | 3.13 | PA94 PF94 | 8.31 | 3.31 | 7.13 | 2.94 | 5.81 | 2.63 |
| | 228mm | 100mm | 98mm | 210mm | 83mm | 92mm | 78mm | 159mm | 80mm | | 211mm | 84mm | 181mm | 75mm | 148mm | 67mm |
| *AM943SF | 8.99 | 3.93 | 3.88 | 8.26 | 3.26 | 3.63 | 3.08 | 6.25 | 3.13 | PA94 PF94 | 8.31 | 3.31 | 7.13 | 2.94 | 5.81 | 2.63 |
| | 228mm | 100mm | 98mm | 210mm | 83mm | 92mm | 78mm | 159mm | 80mm | | 211mm | 84mm | 181mm | 75mm | 148mm | 67mm |

All dimensions are in inches unless otherwise noted

Data subject to change without notice

*Available with or without stainless steel mounting feet. Suffix “SF” denotes box without mounting feet.

Additional back panels found on page 128

# AM Series

## PUSHBUTTON ENCLOSURES

### Cover Type

Solid/Opaque

### Closure Type

**Inline Lift-Off Screw Cover**

## Application

Designed to insulate and house pushbuttons and switches in applications that require a human-machine interface

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment

## Standards

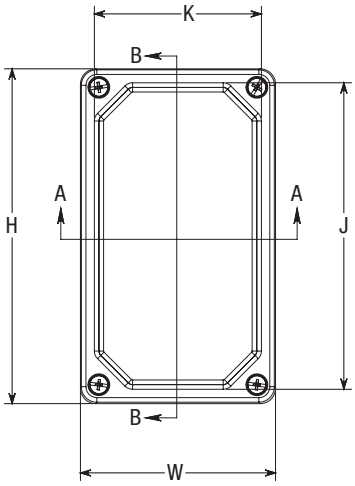
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

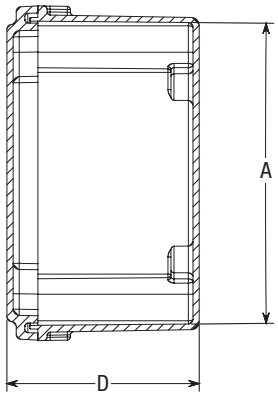
## Construction

- Rugged, molded ULTRAGUARD® fiberglass reinforced polyester material construction with reinforced corners
- Available with either 30.5mm or 22.5mm holes
- 316 stainless steel captive cover screws
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- Grounding strap included
- UV stabilized for outdoor use

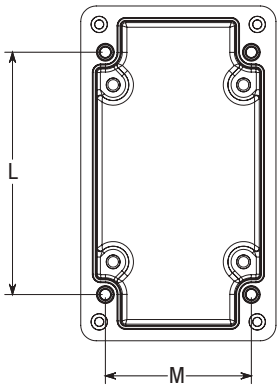
## Accessories & Modifications

- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening

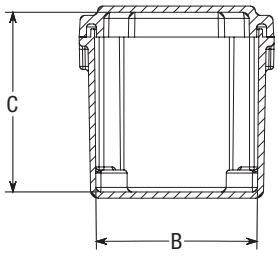


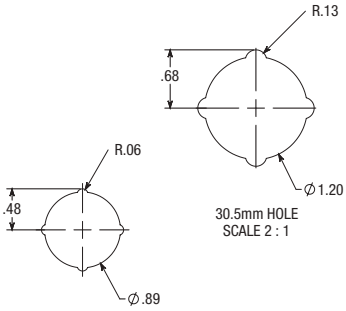

SECTION B-B

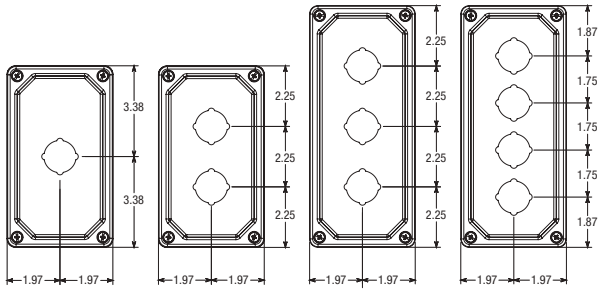



TOP VIEW WITH
COVER REMOVED




SECTION A-A




*Nom. Wall Thickness: .125 (3.2mm)

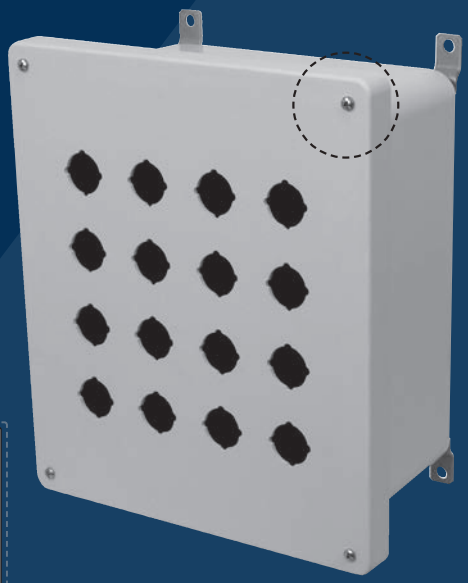
| Part No. | Overall | | | Inside | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | H | W | D | A | B | C | J | K | L | M | Holes | PB Size |
| AM1PB | 6.74 | 3.95 | 3.88 | 6.01 | 3.26 | 3.63 | 6.13 | 3.31 | 4.89 | 2.95 | 1 | 30.5mm |
| | 171mm | 100mm | 98mm | 153mm | 83mm | 92mm | 156mm | 84mm | 124mm | 75mm | 1 | |
| AM1PB22 | 6.74 | 3.95 | 3.88 | 6.01 | 3.26 | 3.63 | 6.13 | 3.31 | 4.89 | 2.95 | 1 | 22.5mm |
| | 171mm | 100mm | 98mm | 153mm | 83mm | 92mm | 156mm | 84mm | 124mm | 75mm | 1 | |
| AM2PB | 6.74 | 3.95 | 3.88 | 6.01 | 3.26 | 3.63 | 6.13 | 3.31 | 4.89 | 2.95 | 2 | 30.5mm |
| | 171mm | 100mm | 98mm | 153mm | 83mm | 92mm | 156mm | 84mm | 124mm | 75mm | 2 | |
| AM2PB22 | 6.74 | 3.95 | 3.88 | 6.01 | 3.26 | 3.63 | 6.13 | 3.31 | 4.89 | 2.95 | 2 | 22.5mm |
| | 171mm | 100mm | 98mm | 153mm | 83mm | 92mm | 156mm | 84mm | 124mm | 75mm | 2 | |
| AM3PB | 8.99 | 3.93 | 3.88 | 8.26 | 3.26 | 3.63 | 8.31 | 3.31 | 7.13 | 2.94 | 3 | 30.5mm |
| | 228mm | 100mm | 98mm | 210mm | 83mm | 92mm | 211mm | 84mm | 181mm | 75mm | 3 | |
| AM3PB22 | 8.99 | 3.93 | 3.88 | 8.26 | 3.26 | 3.63 | 8.31 | 3.31 | 7.13 | 2.94 | 3 | 22.5mm |
| | 228mm | 100mm | 98mm | 210mm | 83mm | 92mm | 211mm | 84mm | 181mm | 75mm | 3 | |
| AM4PB | 8.99 | 3.93 | 3.88 | 8.26 | 3.26 | 3.63 | 8.31 | 3.31 | 7.13 | 2.94 | 4 | 30.5mm |
| | 228mm | 100mm | 98mm | 210mm | 83mm | 92mm | 211mm | 84mm | 181mm | 75mm | 4 | |
| AM4PB22 | 8.99 | 3.93 | 3.88 | 8.26 | 3.26 | 3.63 | 8.31 | 3.31 | 7.13 | 2.94 | 4 | 22.5mm |
| | 228mm | 100mm | 98mm | 210mm | 83mm | 92mm | 211mm | 84mm | 181mm | 75mm | 4 | |

All dimensions are in inches unless otherwise noted
Note: Mounting feet are not included as standard.

Data subject to change without notice

# AM Series

## PUSHBUTTON ENCLOSURES



### Cover Type

Flat Solid/Opaque

### Closure Type

Multi-Hole Lift-Off Screw Cover

## Application

Designed to insulate and house pushbuttons and switches in applications that require a human-machine interface

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment

## Standards

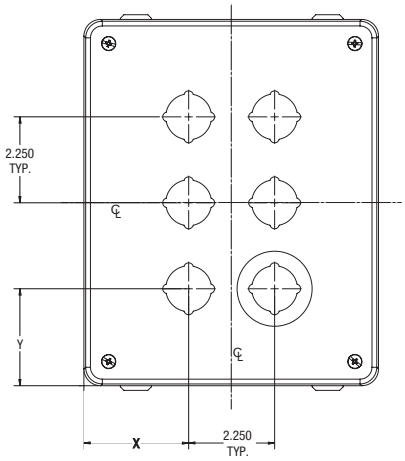
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

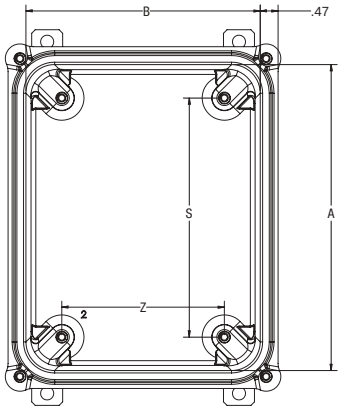
## Construction

- Constructed to requirements of CSA Enc. 5 based on standard component cutout
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching flat cover
- 316 stainless steel captive cover screws
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting feet with 10-32 threaded brass inserts for optional back panel installation
- Standard 30.5mm hole size
- UV stabilized for outdoor use

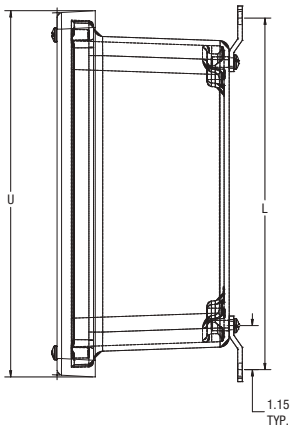
## Accessories & Modifications

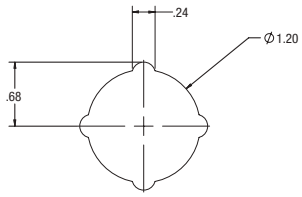
- Optional back panels
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening
- Optional 22.5mm holes (add "22" suffix to part number)



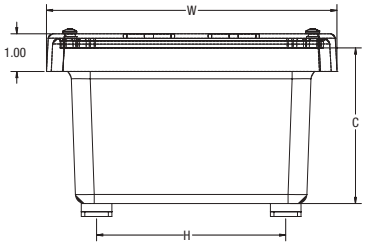




NOTE: COVER REMOVED FOR CLARITY



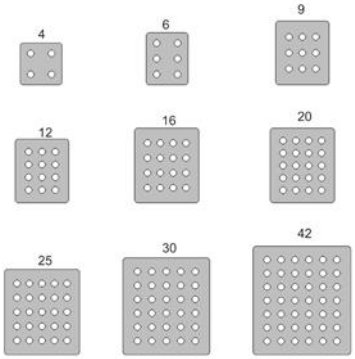




30.5 MM HOLE DETAIL
STANDARD 4-WAY
(OPTIONAL 22.5MM HOLES AVAILABLE)




NOMINAL 1/8" WALL THICKNESS

## Pushbutton Arrangements




Note: To order product with 22.5mm holes, please add "22" suffix to part number (e.g., AM664HP422) and contact customer service for lead times.

| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Panel Sizes | | | Foot Mount Centers | | Cover Size | | No. of Holes | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | H | L | U | W | | X | Y |
| AM664P4 | 6.10 | 6.10 | 4.18 | 3.76 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 PLA66 | 5.01 | 7.32 | 7.69 | 7.69 | 4 | 2.72 | 2.72 |
| | 155mm | 155mm | 106mm | 95mm | 108mm | 108mm | 122mm | 122mm | | 127mm | 186mm | 195mm | 195mm | | 69mm | 69mm |
| AM864P6 | 8.00 | 6.13 | 4.14 | 3.71 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 PLA86 | 5.02 | 9.20 | 9.59 | 7.71 | 6 | 2.72 | 2.55 |
| | 203mm | 156mm | 105mm | 94mm | 159mm | 108mm | 171mm | 124mm | | 127mm | 234mm | 244mm | 196mm | | 69mm | 65mm |
| AM1084P9 | 10.14 | 8.26 | 4.13 | 3.68 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 11.73 | 9.90 | 9 | 2.68 | 3.62 |
| | 258mm | 210mm | 105mm | 93mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 299mm | 251mm | | 68mm | 92mm |
| AM1086P9 | 10.14 | 8.26 | 6.13 | 5.68 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 11.73 | 9.85 | 9 | 2.68 | 3.62 |
| | 258mm | 210mm | 156mm | 144mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 298mm | 250mm | | 68mm | 92mm |
| AM1086P12 | 10.14 | 8.26 | 6.13 | 5.68 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 11.73 | 9.85 | 12 | 2.68 | 2.49 |
| | 258mm | 210mm | 156mm | 144mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 298mm | 250mm | | 68mm | 63mm |
| AM1206P16 | 12.14 | 10.26 | 6.13 | 5.68 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 | 9.03 | 13.19 | 13.73 | 11.85 | 16 | 2.55 | 3.49 |
| | 308mm | 261mm | 156mm | 144mm | 260mm | 210mm | 273mm | 225mm | | 229mm | 335mm | 349mm | 301mm | | 65mm | 89mm |
| AM1206P20 | 12.14 | 10.26 | 6.13 | 5.68 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 | 9.03 | 13.19 | 13.73 | 11.85 | 20 | 2.55 | 2.37 |
| | 308mm | 261mm | 156mm | 144mm | 260mm | 210mm | 273mm | 225mm | | 229mm | 335mm | 349mm | 301mm | | 65mm | 60mm |
| AM1426P25 | 14.14 | 12.26 | 6.13 | 5.71 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 PLA142 | 11.03 | 15.19 | 15.73 | 13.85 | 25 | 2.43 | 3.37 |
| | 359mm | 312mm | 156mm | 145mm | 311mm | 260mm | 324mm | 276mm | | 280mm | 386mm | 399mm | 352mm | | 62mm | 86mm |
| AM1648P30 | 16.27 | 14.40 | 8.13 | 7.68 | 14.25 | 12.25 | 14.75 | 12.88 | P164 PA164 | 13.01 | 17.19 | 17.87 | 15.99 | 30 | 3.50 | 3.31 |
| | 413mm | 366mm | 207mm | 195mm | 362mm | 311mm | 375mm | 327mm | | 330mm | 437mm | 454mm | 406mm | | 89mm | 84mm |
| AM1868P42 | 18.40 | 16.40 | 8.13 | 7.69 | 16.25 | 14.25 | 16.88 | 14.88 | P186 PA186 | 14.97 | 19.28 | 20.00 | 18.00 | 42 | 3.38 | 3.25 |
| | 467mm | 417mm | 207mm | 195mm | 413mm | 362mm | 429mm | 378mm | | 380mm | 490mm | 508mm | 457mm | | 86mm | 83mm |

All dimensions are in inches unless otherwise noted
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AM664P4)
Additional back panels found on page 128

Data subject to change without notice

# AM Series

## PUSHBUTTON ENCLOSURES

### Cover Type

Flat Solid/Opaque

### Closure Type

Multi-Hole Hinged Screw Cover

## Application

Designed to insulate and house pushbuttons and switches in applications that require a human-machine interface

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment

## Standards

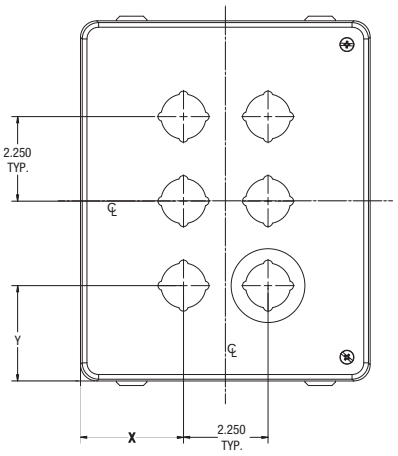
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

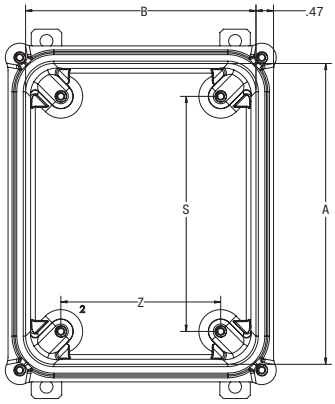
## Construction

- Constructed to requirements of CSA Enc. 5 based on standard component cutout
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching flat cover
- 316 stainless steel captive cover screws
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting feet with 10-32 threaded brass inserts for optional back panel installation
- Standard 30.5mm hole size
- UV stabilized for outdoor use

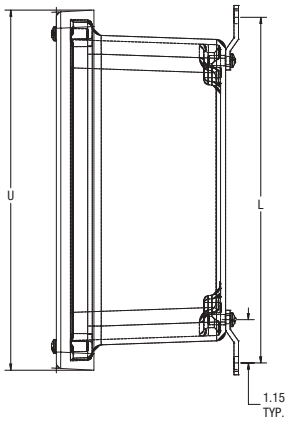
## Accessories & Modifications

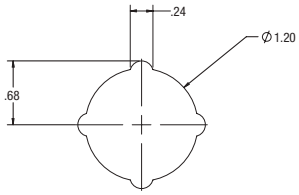
- Optional back panels
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening
- Optional 22.5mm holes (add "22" suffix to part number)



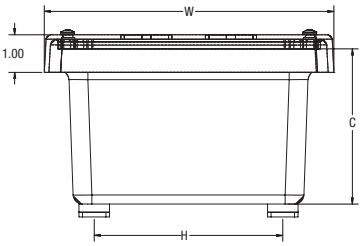




NOTE: COVER REMOVED FOR CLARITY



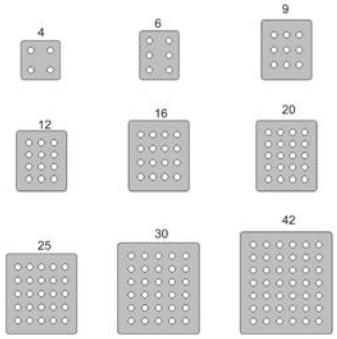




30.5 MM HOLE DETAIL
STANDARD 4-WAY
(OPTIONAL 22.5MM HOLES AVAILABLE)




NOMINAL 1/8" WALL THICKNESS

## Pushbutton Arrangements




**Note: To order product with 22.5mm holes, please add "22" suffix to part number (e.g., AM664HP422) and contact customer service for lead times.**

| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Panel Sizes | | | Foot Mount Centers | | Cover Size | | No. of Holes | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | H | L | U | W | | X | Y |
| AM664HP4 | 6.10 | 6.10 | 4.18 | 3.76 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 PLA66 | 5.01 | 7.32 | 7.69 | 7.69 | 4 | 2.72 | 2.72 |
| | 155mm | 155mm | 106mm | 95mm | 108mm | 108mm | 122mm | 122mm | | 127mm | 186mm | 195mm | 195mm | | 69mm | 69mm |
| AM864HP6 | 8.00 | 6.13 | 4.14 | 3.71 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 PLA86 | 5.02 | 9.20 | 9.59 | 7.71 | 6 | 2.72 | 2.55 |
| | 203mm | 156mm | 105mm | 94mm | 159mm | 108mm | 171mm | 124mm | | 127mm | 234mm | 244mm | 196mm | | 69mm | 65mm |
| AM1084HP9 | 10.14 | 8.26 | 4.13 | 3.68 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 11.73 | 9.90 | 9 | 2.68 | 3.62 |
| | 258mm | 210mm | 105mm | 93mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 299mm | 251mm | | 68mm | 92mm |
| AM1086HP9 | 10.14 | 8.26 | 6.13 | 5.68 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 11.73 | 9.85 | 9 | 2.68 | 3.62 |
| | 258mm | 210mm | 156mm | 144mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 298mm | 250mm | | 68mm | 92mm |
| AM1086HP12 | 10.14 | 8.26 | 6.13 | 5.68 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 11.73 | 9.85 | 12 | 2.68 | 2.49 |
| | 258mm | 210mm | 156mm | 144mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 298mm | 250mm | | 68mm | 63mm |
| AM1206HP16 | 12.14 | 10.26 | 6.13 | 5.68 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 | 9.03 | 13.19 | 13.73 | 11.85 | 16 | 2.55 | 3.49 |
| | 308mm | 261mm | 156mm | 144mm | 260mm | 210mm | 273mm | 225mm | | 229mm | 335mm | 349mm | 301mm | | 65mm | 89mm |
| AM1206HP20 | 12.14 | 10.26 | 6.13 | 5.68 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 | 9.03 | 13.19 | 13.73 | 11.85 | 20 | 2.55 | 2.37 |
| | 308mm | 261mm | 156mm | 144mm | 260mm | 210mm | 273mm | 225mm | | 229mm | 335mm | 349mm | 301mm | | 65mm | 60mm |
| AM1426HP25 | 14.14 | 12.26 | 6.13 | 5.71 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 PLA142 | 11.03 | 15.19 | 15.73 | 13.85 | 25 | 2.43 | 3.37 |
| | 359mm | 312mm | 156mm | 145mm | 311mm | 260mm | 324mm | 276mm | | 280mm | 386mm | 399mm | 352mm | | 62mm | 86mm |
| AM1648HP30 | 16.27 | 14.40 | 8.13 | 7.68 | 14.25 | 12.25 | 14.75 | 12.88 | P164 PA164 | 13.01 | 17.19 | 17.87 | 15.99 | 30 | 3.50 | 3.31 |
| | 413mm | 366mm | 207mm | 195mm | 362mm | 311mm | 375mm | 327mm | | 330mm | 437mm | 454mm | 406mm | | 89mm | 84mm |
| AM1868HP42 | 18.40 | 16.40 | 8.13 | 7.69 | 16.25 | 14.25 | 16.88 | 14.88 | P186 PA186 | 14.97 | 19.28 | 20.00 | 18.00 | 42 | 3.38 | 3.25 |
| | 467mm | 417mm | 207mm | 195mm | 413mm | 362mm | 429mm | 378mm | | 380mm | 490mm | 508mm | 457mm | | 86mm | 83mm |

All dimensions are in inches unless otherwise noted
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AM664HP4)
Additional back panels found on page 128

Data subject to change without notice

# AM Series

## JIC SIZE JUNCTION BOXES

### Cover Type

Flat 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 oil refineries, waste water treatment equipment, chemical plants, and many other applications

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment

## Standards

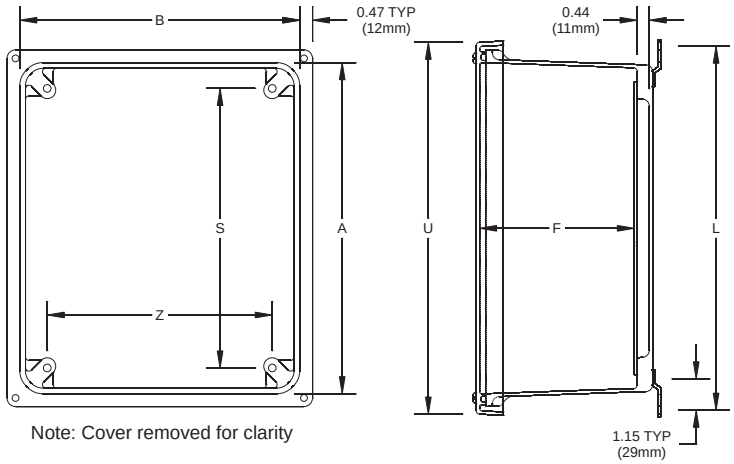
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6"x6" up through 14"x12"), 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6"x6" up through 14"x12"), 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6"x6" up through 14"x12"), 12 and 13
  - IEC 60529 Type IP66 and units rated 6P are IP68 submersible up to 24 hours at a depth of 6 feet (1.8 meters)
  - RoHS directive

## Construction

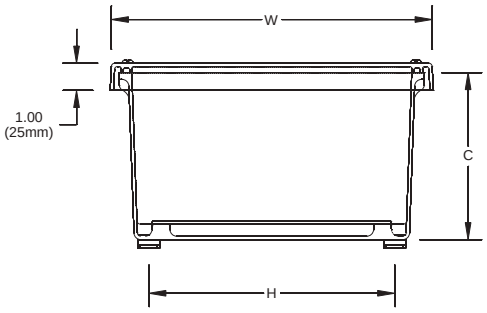
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching flat cover
- 316 stainless steel captive cover screws
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting feet with 10-32 stainless steel screws included
- #10-32 threaded brass inserts for optional back panel installation
- JIC sizes
- ULTRAGUARD® fiberglass material is easily punched, drilled, or sawed
- UV stabilized for outdoor use

## Accessories & Modifications

- Optional back 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

| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Panel Sizes | | | Foot Mount Centers | | Cover Size | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | H | L | U | W |
| AM664 | 6.10 | 6.10 | 4.18 | 3.76 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 PLA66 | 5.01 | 7.32 | 7.69 | 7.69 |
| | 155mm | 155mm | 106mm | 95mm | 108mm | 108mm | 122mm | 122mm | | 127mm | 186mm | 195mm | 195mm |
| AM864 | 8.00 | 6.13 | 4.14 | 3.71 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 PLA86 | 5.02 | 9.20 | 9.59 | 7.71 |
| | 203mm | 156mm | 105mm | 94mm | 159mm | 108mm | 171mm | 124mm | | 127mm | 234mm | 244mm | 196mm |
| AM1084 | 10.14 | 8.26 | 4.13 | 3.68 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 11.73 | 9.90 |
| | 258mm | 210mm | 105mm | 93mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 299mm | 251mm |
| AM1086 | 10.14 | 8.26 | 6.13 | 5.68 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 11.73 | 9.85 |
| | 258mm | 210mm | 156mm | 144mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 298mm | 250mm |
| AM1206 | 12.14 | 10.26 | 6.13 | 5.68 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 | 9.01 | 13.19 | 13.73 | 11.85 |
| | 308mm | 261mm | 156mm | 144mm | 260mm | 210mm | 273mm | 225mm | | 229mm | 335mm | 349mm | 301mm |
| AM1224 | 12.14 | 12.14 | 4.13 | 3.73 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 13.72 | 13.72 |
| | 308mm | 308mm | 105mm | 95mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 348mm | 348mm |
| AM1226 | 12.14 | 12.14 | 6.13 | 5.73 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 13.72 | 13.72 |
| | 308mm | 308mm | 156mm | 145mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 348mm | 348mm |
| AM1426 | 14.14 | 12.26 | 6.13 | 5.71 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 PLA142 | 11.03 | 15.19 | 15.73 | 13.85 |
| | 359mm | 312mm | 156mm | 145mm | 311mm | 260mm | 324mm | 276mm | | 280mm | 386mm | 399mm | 352mm |
| AM1648 | 16.27 | 14.40 | 8.13 | 7.68 | 14.25 | 12.25 | 14.75 | 12.88 | P164 PA164 | 13.01 | 17.19 | 17.87 | 15.99 |
| | 413mm | 366mm | 207mm | 195mm | 362mm | 311mm | 375mm | 327mm | | 330mm | 437mm | 454mm | 406mm |
| AM1868 | 18.40 | 16.40 | 8.13 | 7.69 | 16.25 | 14.25 | 16.88 | 14.88 | P186 PA186 | 14.97 | 19.28 | 20.00 | 18.00 |
| | 467mm | 417mm | 207mm | 195mm | 413mm | 362mm | 429mm | 378mm | | 380mm | 490mm | 508mm | 457mm |
| AM2068 | 20.00 | 16.00 | 8.13 | 7.68 | 17.81 | 13.81 | 18.44 | 14.44 | P206 PA206 | 14.54 | 20.84 | 21.59 | 17.59 |
| | 508mm | 406mm | 207mm | 195mm | 452mm | 351mm | 468mm | 367mm | | 369mm | 529mm | 548mm | 447mm |

All dimensions are in inches unless otherwise noted
Sizes 6" x 6" up through 14" x 12" are rated 6P (IP68)
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AM664)
Additional back panels found on page 128

Data subject to change without notice

# AM Series

## JIC SIZE JUNCTION BOXES

### Cover Type

Flat Viewing Window

### Closure Type

Lift-Off Screw Cover

## Application

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

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment
- Window unit provides viewing area for instrumentation or equipment

## Standards

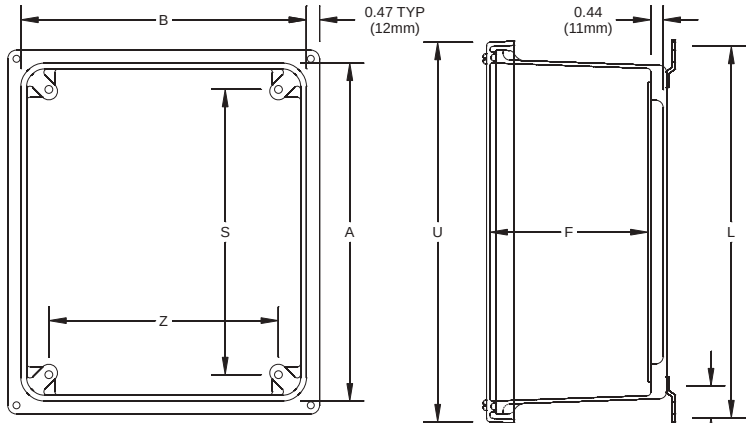
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

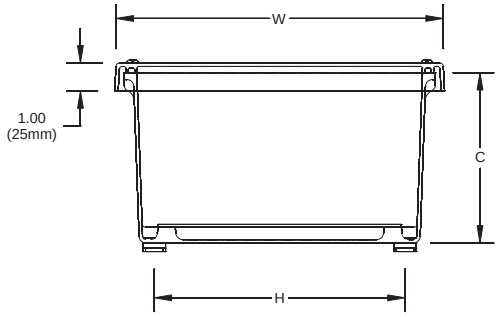
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching flat cover
- UV resistant polycarbonate viewing window
- 316 stainless steel captive cover screws
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting feet with 10-32 stainless steel screws included
- #10-32 threaded brass inserts for optional back panel installation
- JIC sizes
- ULTRAGUARD® fiberglass material is easily punched, drilled, or sawed
- UV stabilized for outdoor use

## Accessories & Modifications

- Optional back panels
- Custom holes and cutouts
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening




Note: Cover removed for clarity




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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | H | L | U | W | |
| AM664W | 6.10 | 6.10 | 4.18 | 3.65 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 PLA66 | 5.01 | 7.32 | 7.69 | 7.69 | 4.25 x 4.25 |
| | 155mm | 155mm | 106mm | 93mm | 108mm | 108mm | 122mm | 122mm | | 127mm | 186mm | 195mm | 195mm | 108mm x 108mm |
| AM864W | 8.00 | 6.13 | 4.14 | 3.60 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 PLA86 | 5.02 | 9.20 | 9.59 | 7.71 | 6.25 x 4.25 |
| | 203mm | 156mm | 105mm | 91mm | 159mm | 108mm | 171mm | 124mm | | 127mm | 234mm | 244mm | 196mm | 159mm x 108mm |
| AM1084W | 10.14 | 8.26 | 4.13 | 3.57 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 11.73 | 9.90 | 8.38 x 6.50 |
| | 258mm | 210mm | 105mm | 91mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 299mm | 251mm | 213mm x 165mm |
| AM1086W | 10.14 | 8.26 | 6.13 | 5.57 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 11.73 | 9.85 | 8.38 x 6.50 |
| | 258mm | 210mm | 156mm | 141mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 298mm | 250mm | 213mm x 165mm |
| AM1206W | 12.14 | 10.26 | 6.13 | 5.58 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 | 9.01 | 13.19 | 13.73 | 11.85 | 10.38 x 8.50 |
| | 308mm | 261mm | 156mm | 142mm | 260mm | 210mm | 273mm | 225mm | | 229mm | 335mm | 349mm | 301mm | 264mm x 216mm |
| AM1224W | 12.14 | 12.14 | 4.13 | 3.62 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 13.72 | 13.72 | 10.38 x 10.38 |
| | 308mm | 308mm | 105mm | 92mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 348mm | 348mm | 264mm x 264mm |
| AM1226W | 12.14 | 12.14 | 6.13 | 5.62 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 13.72 | 13.72 | 10.38 x 10.38 |
| | 308mm | 308mm | 156mm | 143mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 348mm | 348mm | 264mm x 264mm |
| AM1426W | 14.14 | 12.26 | 6.13 | 5.60 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 PLA142 | 11.03 | 15.19 | 15.73 | 13.85 | 12.38 x 10.50 |
| | 359mm | 312mm | 156mm | 142mm | 311mm | 260mm | 324mm | 276mm | | 280mm | 386mm | 399mm | 352mm | 314mm x 267mm |
| AM1648W | 16.27 | 14.40 | 8.13 | 7.58 | 14.25 | 12.25 | 14.75 | 12.88 | P164 PA164 | 13.01 | 17.19 | 17.87 | 15.99 | 13.00 x 11.00 |
| | 413mm | 366mm | 207mm | 192mm | 362mm | 311mm | 375mm | 327mm | | 330mm | 437mm | 454mm | 406mm | 330mm x 279mm |
| AM1868W | 18.40 | 16.40 | 8.13 | 7.58 | 16.25 | 14.25 | 16.88 | 14.88 | P186 PA186 | 14.97 | 19.28 | 20.00 | 18.00 | 14.00 x 12.00 |
| | 467mm | 417mm | 207mm | 192mm | 413mm | 362mm | 429mm | 378mm | | 380mm | 490mm | 508mm | 457mm | 356mm x 305mm |
| AM2068W | 20.00 | 16.00 | 8.13 | 7.58 | 17.81 | 13.81 | 18.44 | 14.44 | P206 PA206 | 14.54 | 20.84 | 21.59 | 17.59 | 15.00 x 11.00 |
| | 508mm | 406mm | 207mm | 192mm | 452mm | 351mm | 468mm | 367mm | | 369mm | 529mm | 548mm | 447mm | 381mm x 279mm |

All dimensions are in inches unless otherwise noted
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AM664W)
Additional back panels found on page 128

Data subject to change without notice

# AM Series

## JIC SIZE JUNCTION BOXES

### Cover Type

Flat 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 oil refineries, waste water treatment equipment, chemical plants, and many other applications

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment

## Standards

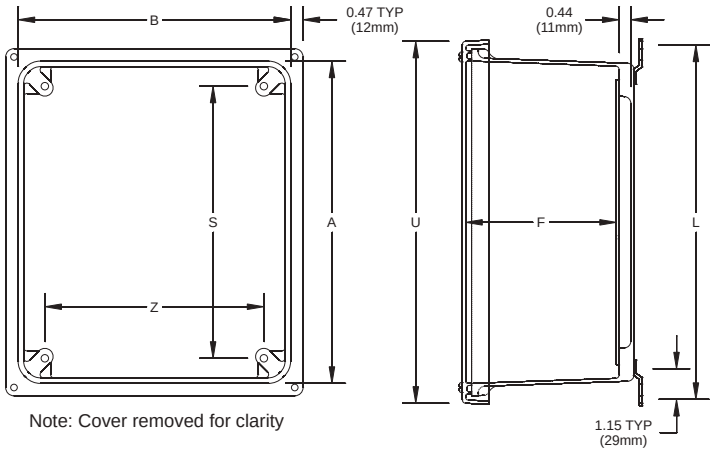
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

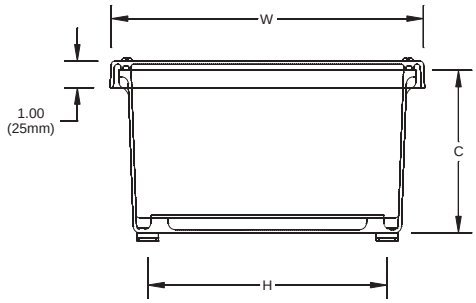
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching flat cover
- 316 stainless steel captive cover screws
- Continuous 316 stainless steel hinge
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting feet with 10-32 stainless steel screws included
- #10-32 threaded brass inserts for optional back panel installation
- JIC sizes
- ULTRAGUARD® fiberglass material is easily punched, drilled, or sawed
- UV stabilized for outdoor use

## Accessories & Modifications

- Optional back panels
- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Hinge installed on short side
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening




Note: Cover removed for clarity




Nominal 1/8" (3mm) wall thickness

| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Panel Sizes | | | Foot Mount Centers | | Cover Size | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | H | L | U | W |
| AM664H | 6.10 | 6.10 | 4.18 | 3.76 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 PLA66 | 5.01 | 7.32 | 7.69 | 7.69 |
| | 155mm | 155mm | 106mm | 95mm | 108mm | 108mm | 122mm | 122mm | | 127mm | 186mm | 195mm | 195mm |
| AM864H | 8.00 | 6.13 | 4.14 | 3.71 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 PLA86 | 5.02 | 9.20 | 9.59 | 7.71 |
| | 203mm | 156mm | 105mm | 94mm | 159mm | 108mm | 171mm | 124mm | | 127mm | 234mm | 244mm | 196mm |
| AM1084H | 10.14 | 8.26 | 4.13 | 3.68 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 11.73 | 9.90 |
| | 258mm | 210mm | 105mm | 93mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 299mm | 251mm |
| AM1086H | 10.14 | 8.26 | 6.13 | 5.68 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 11.73 | 9.85 |
| | 258mm | 210mm | 156mm | 144mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 298mm | 250mm |
| AM1206H | 12.14 | 10.26 | 6.13 | 5.68 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 | 9.01 | 13.19 | 13.73 | 11.85 |
| | 308mm | 261mm | 156mm | 144mm | 260mm | 210mm | 273mm | 225mm | | 229mm | 335mm | 349mm | 301mm |
| AM1224H | 12.14 | 12.14 | 4.13 | 3.73 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 13.72 | 13.72 |
| | 308mm | 308mm | 105mm | 95mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 348mm | 348mm |
| AM1226H | 12.14 | 12.14 | 6.13 | 5.73 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 13.72 | 13.72 |
| | 308mm | 308mm | 156mm | 145mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 348mm | 348mm |
| AM1426H | 14.14 | 12.26 | 6.13 | 5.71 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 PLA142 | 11.03 | 15.19 | 15.73 | 13.85 |
| | 359mm | 312mm | 156mm | 145mm | 311mm | 260mm | 324mm | 276mm | | 280mm | 386mm | 399mm | 352mm |
| AM1648H | 16.27 | 14.40 | 8.13 | 7.68 | 14.25 | 12.25 | 14.75 | 12.88 | P164 PA164 | 13.01 | 17.19 | 17.87 | 15.99 |
| | 413mm | 366mm | 207mm | 195mm | 362mm | 311mm | 375mm | 327mm | | 330mm | 437mm | 454mm | 406mm |
| AM1868H | 18.40 | 16.40 | 8.13 | 7.69 | 16.25 | 14.25 | 16.88 | 14.88 | P186 PA186 | 14.97 | 19.28 | 20.00 | 18.00 |
| | 467mm | 417mm | 207mm | 195mm | 413mm | 362mm | 429mm | 378mm | | 380mm | 490mm | 508mm | 457mm |
| AM2068H | 20.00 | 16.00 | 8.13 | 7.68 | 17.81 | 13.81 | 18.44 | 14.44 | P206 PA206 | 14.54 | 20.84 | 21.59 | 17.59 |
| | 508mm | 406mm | 207mm | 195mm | 452mm | 351mm | 468mm | 367mm | | 369mm | 529mm | 548mm | 447mm |

All dimensions are in inches unless otherwise noted Data subject to change without notice
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AM664H)
Additional back panels found on page 128

# AM Series

## JIC SIZE JUNCTION BOXES

### Cover Type

Flat Viewing Window

### Closure Type

Hinged Screw Cover

## Application

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

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment
- Window unit provides viewing area for instrumentation or equipment

## Standards

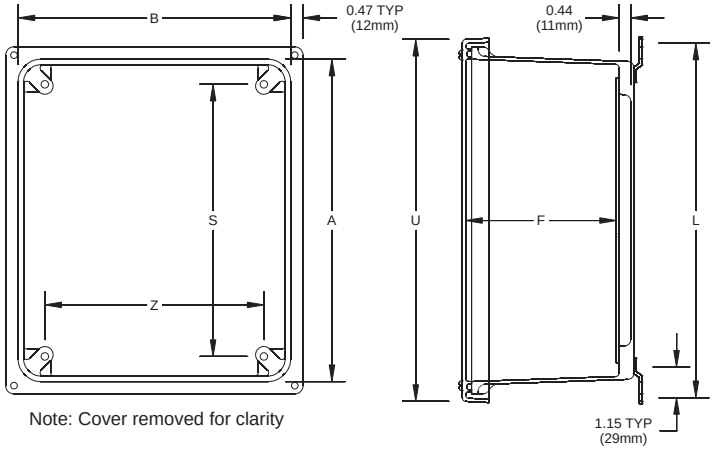
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

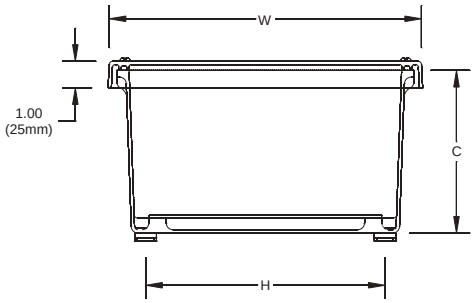
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching flat cover
- UV resistant polycarbonate viewing window
- 316 stainless steel captive cover screws
- Continuous 316 stainless steel hinge
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting feet with 10-32 stainless steel screws included
- #10-32 threaded brass inserts for optional back panel installation
- JIC sizes
- ULTRAGUARD® fiberglass material is easily punched, drilled, or sawed
- UV stabilized for outdoor use

## Accessories & Modifications

- Optional back panels
- Custom holes and cutouts
- Hinge installed on short side
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening




Note: Cover removed for clarity




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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | H | L | U | W | |
| AM664HW | 6.10 | 6.10 | 4.18 | 3.65 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 PLA66 | 5.01 | 7.32 | 7.69 | 7.69 | 4.25 x 4.25 |
| | 155mm | 155mm | 106mm | 93mm | 108mm | 108mm | 122mm | 122mm | | 127mm | 186mm | 195mm | 195mm | 108mm x 108mm |
| AM864HW | 8.00 | 6.13 | 4.14 | 3.60 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 PLA86 | 5.02 | 9.20 | 9.59 | 7.71 | 6.25 x 4.25 |
| | 203mm | 156mm | 105mm | 91mm | 159mm | 108mm | 171mm | 124mm | | 127mm | 234mm | 244mm | 196mm | 159mm x 108mm |
| AM1084HW | 10.14 | 8.26 | 4.13 | 3.57 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 11.73 | 9.90 | 8.38 x 6.50 |
| | 258mm | 210mm | 105mm | 91mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 299mm | 251mm | 213mm x 165mm |
| AM1086HW | 10.14 | 8.26 | 6.13 | 5.57 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 11.73 | 9.85 | 8.38 x 6.50 |
| | 258mm | 210mm | 156mm | 141mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 298mm | 250mm | 213mm x 165mm |
| AM1206HW | 12.14 | 10.26 | 6.13 | 5.58 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 | 9.01 | 13.19 | 13.73 | 11.85 | 10.38 x 8.50 |
| | 308mm | 261mm | 156mm | 142mm | 260mm | 210mm | 273mm | 225mm | | 229mm | 335mm | 349mm | 301mm | 264mm x 216mm |
| AM1224HW | 12.14 | 12.14 | 4.13 | 3.62 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 13.72 | 13.72 | 10.38 x 10.38 |
| | 308mm | 308mm | 105mm | 92mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 348mm | 348mm | 264mm x 264mm |
| AM1226HW | 12.14 | 12.14 | 6.13 | 5.62 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 13.72 | 13.72 | 10.38 x 10.38 |
| | 308mm | 308mm | 156mm | 143mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 348mm | 348mm | 264mm x 264mm |
| AM1426HW | 14.14 | 12.26 | 6.13 | 5.60 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 PLA142 | 11.03 | 15.19 | 15.73 | 13.85 | 12.38 x 10.50 |
| | 359mm | 312mm | 156mm | 142mm | 311mm | 260mm | 324mm | 276mm | | 280mm | 386mm | 399mm | 352mm | 314mm x 267mm |
| AM1648HW | 16.27 | 14.40 | 8.13 | 7.58 | 14.25 | 12.25 | 14.75 | 12.88 | P164 PA164 | 13.01 | 17.19 | 17.87 | 15.99 | 13.00 x 11.00 |
| | 413mm | 366mm | 207mm | 192mm | 362mm | 311mm | 375mm | 327mm | | 330mm | 437mm | 454mm | 406mm | 330mm x 279mm |
| AM1868HW | 18.40 | 16.40 | 8.13 | 7.58 | 16.25 | 14.25 | 16.88 | 14.88 | P186 PA186 | 14.97 | 19.28 | 20.00 | 18.00 | 14.00 x 12.00 |
| | 467mm | 417mm | 207mm | 192mm | 413mm | 362mm | 429mm | 378mm | | 380mm | 490mm | 508mm | 457mm | 356mm x 305mm |
| AM2068HW | 20.00 | 16.00 | 8.13 | 7.58 | 17.81 | 13.81 | 18.44 | 14.44 | P206 PA206 | 14.54 | 20.84 | 21.59 | 17.59 | 15.00 x 11.00 |
| | 508mm | 406mm | 207mm | 192mm | 452mm | 351mm | 468mm | 367mm | | 369mm | 529mm | 548mm | 447mm | 381mm x 279mm |

All dimensions are in inches unless otherwise noted
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AM664HW)
Additional back panels found on page 128

Data subject to change without notice

# AM Series

## JIC SIZE JUNCTION BOXES

### Cover Type

Flat Solid/Opaque

### Closure Type

Snap Latch Hinged Cover

## Application

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

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment

## Standards

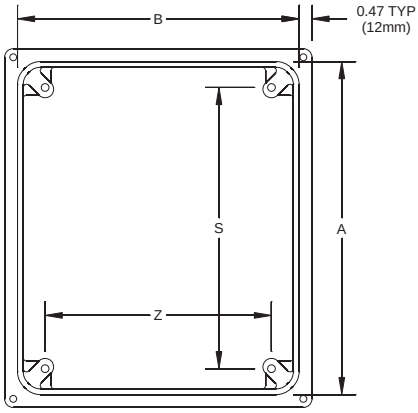
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

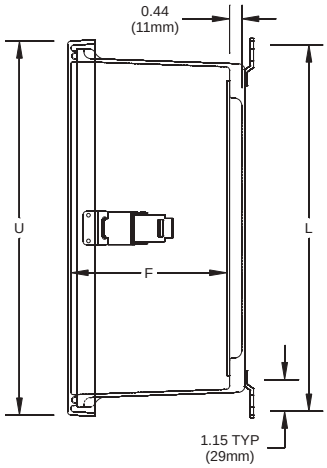
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching flat cover
- 316 stainless steel snap latches feature padlock hasp (.375" dia.)
- Continuous 316 stainless steel hinge
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting feet with 10-32 stainless steel screws included
- #10-32 threaded brass inserts for optional back panel installation
- JIC sizes
- ULTRAGUARD® fiberglass material is easily punched, drilled, or sawed
- UV stabilized for outdoor use

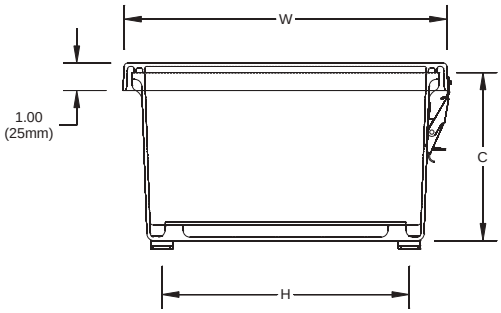
## Accessories & Modifications

- Optional back panels
- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Hinge installed on short side
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening




Note: Cover removed for clarity

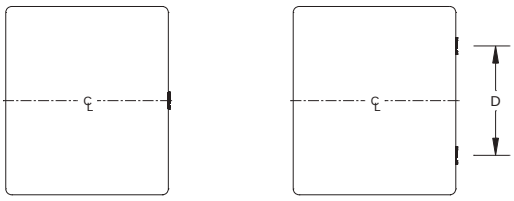



Nominal 1/8" (3mm) wall thickness

## LATCH LOCATIONS

| FOR USE ON: | FOR USE ON: | |
|---|---|---|
| 6x6x4 | 12x10x6 D=8.00 (203 mm) | 16x14x8 D=8.54 (217 mm) |
| 8x6x4 | 12x12x4,6 D=8.00 (203 mm) | 18x16x8 D=6.50 (165 mm) |
| 10x8x4,6 | 14x12x6 D=8.54 (217 mm) | 20x16x8 D=10.52 (267 mm) |




| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Panel Sizes | | | Foot Mount Centers | | Cover Size | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | H | L | U | W |
| AM664L | 6.10 | 6.10 | 4.18 | 3.76 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 PLA66 | 5.01 | 7.32 | 7.69 | 7.69 |
| | 155mm | 155mm | 106mm | 95mm | 108mm | 108mm | 122mm | 122mm | | 127mm | 186mm | 195mm | 195mm |
| AM864L | 8.00 | 6.13 | 4.14 | 3.71 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 PLA86 | 5.02 | 9.20 | 9.59 | 7.71 |
| | 203mm | 156mm | 105mm | 94mm | 159mm | 108mm | 171mm | 124mm | | 127mm | 234mm | 244mm | 196mm |
| AM1084L | 10.14 | 8.26 | 4.13 | 3.68 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 11.73 | 9.90 |
| | 258mm | 210mm | 105mm | 93mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 299mm | 251mm |
| AM1086L | 10.14 | 8.26 | 6.13 | 5.68 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 11.73 | 9.85 |
| | 258mm | 210mm | 156mm | 144mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 298mm | 250mm |
| AM1206L | 12.14 | 10.26 | 6.13 | 5.68 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 | 9.01 | 13.19 | 13.73 | 11.85 |
| | 308mm | 261mm | 156mm | 144mm | 260mm | 210mm | 273mm | 225mm | | 229mm | 335mm | 349mm | 301mm |
| AM1224L | 12.14 | 12.14 | 4.13 | 3.73 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 13.72 | 13.72 |
| | 308mm | 308mm | 105mm | 95mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 348mm | 348mm |
| AM1226L | 12.14 | 12.14 | 6.13 | 5.73 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 13.72 | 13.72 |
| | 308mm | 308mm | 156mm | 145mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 348mm | 348mm |
| AM1426L | 14.14 | 12.26 | 6.13 | 5.71 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 PLA142 | 11.03 | 15.19 | 15.73 | 13.85 |
| | 359mm | 312mm | 156mm | 145mm | 311mm | 260mm | 324mm | 276mm | | 280mm | 386mm | 399mm | 352mm |
| AM1648L | 16.27 | 14.40 | 8.13 | 7.68 | 14.25 | 12.25 | 14.75 | 12.88 | P164 PA164 | 13.01 | 17.19 | 17.87 | 15.99 |
| | 413mm | 366mm | 207mm | 195mm | 362mm | 311mm | 375mm | 327mm | | 330mm | 437mm | 454mm | 406mm |
| AM1868L | 18.40 | 16.40 | 8.13 | 7.69 | 16.25 | 14.25 | 16.88 | 14.88 | P186 PA186 | 14.97 | 19.28 | 20.00 | 18.00 |
| | 467mm | 417mm | 207mm | 195mm | 413mm | 362mm | 429mm | 378mm | | 380mm | 490mm | 508mm | 457mm |
| AM2068L | 20.00 | 16.00 | 8.13 | 7.68 | 17.81 | 13.81 | 18.44 | 14.44 | P206 PA206 | 14.54 | 20.84 | 21.59 | 17.59 |
| | 508mm | 406mm | 207mm | 195mm | 452mm | 351mm | 468mm | 367mm | | 369mm | 529mm | 548mm | 447mm |

All dimensions are in inches unless otherwise noted
Data subject to change without notice
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AM664L)
Additional back panels found on page 128

# AM Series

## JIC SIZE JUNCTION BOXES

### Cover Type

Flat Viewing Window

### Closure Type

Snap Latch Hinged Cover

## Application

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

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment
- Window unit provides viewing area for instrumentation or equipment

## Standards

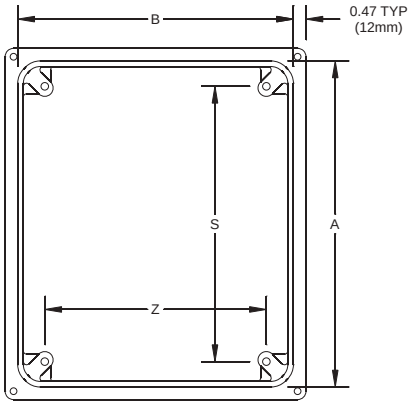
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

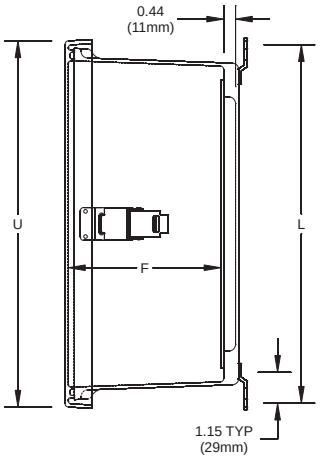
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching flat cover
- UV resistant polycarbonate viewing window
- 316 stainless steel snap latches feature padlock hasp (.375" dia.)
- Continuous 316 stainless steel hinge
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting feet with 10-32 stainless steel screws included
- #10-32 threaded brass inserts for optional back panel installation
- JIC sizes
- ULTRAGUARD® fiberglass material is easily punched, drilled, or sawed
- UV stabilized for outdoor use

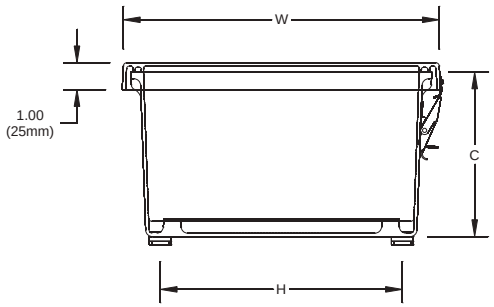
## Accessories & Modifications

- Optional back panels
- Custom holes and cutouts
- Hinge installed on short side
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening




Note: Cover removed for clarity

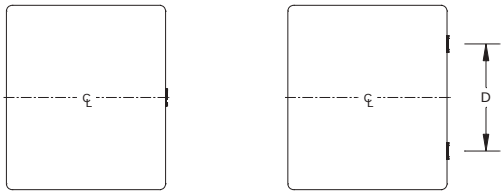



Nominal 1/8" (3mm) wall thickness

## LATCH LOCATIONS

| FOR USE ON: | FOR USE ON: | |
|---|---|---|
| 6x6x4 | 12x10x6 D=8.00 (203 mm) | 16x14x8 D=8.54 (217 mm) |
| 8x6x4 | 12x12x4,6 D=8.00 (203 mm) | 18x16x8 D=6.50 (165 mm) |
| 10x8x4,6 | 14x12x6 D=8.54 (217 mm) | 20x16x8 D=10.52 (267 mm) |




| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Panel Sizes | | | Foot Mount Centers | | Cover Size | | Window Dimension (Height x Width) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | H | L | U | W | |
| AM664LW | 6.10 | 6.10 | 4.18 | 3.65 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 PLA66 | 5.01 | 7.32 | 7.69 | 7.69 | 4.25 x 4.25 |
| | 155mm | 155mm | 106mm | 93mm | 108mm | 108mm | 122mm | 122mm | | 127mm | 186mm | 195mm | 195mm | 108mm x 108mm |
| AM864LW | 8.00 | 6.13 | 4.14 | 3.60 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 PLA86 | 5.02 | 9.20 | 9.59 | 7.71 | 6.25 x 4.25 |
| | 203mm | 156mm | 105mm | 91mm | 159mm | 108mm | 171mm | 124mm | | 127mm | 234mm | 244mm | 196mm | 159mm x 108mm |
| AM1084LW | 10.14 | 8.26 | 4.13 | 3.57 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 11.73 | 9.90 | 8.38 x 6.50 |
| | 258mm | 210mm | 105mm | 91mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 299mm | 251mm | 213mm x 165mm |
| AM1086LW | 10.14 | 8.26 | 6.13 | 5.57 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 11.73 | 9.85 | 8.38 x 6.50 |
| | 258mm | 210mm | 156mm | 141mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 298mm | 250mm | 213mm x 165mm |
| AM1206LW | 12.14 | 10.26 | 6.13 | 5.58 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 | 9.01 | 13.19 | 13.73 | 11.85 | 10.38 x 8.50 |
| | 308mm | 261mm | 156mm | 142mm | 260mm | 210mm | 273mm | 225mm | | 229mm | 335mm | 349mm | 301mm | 264mm x 216mm |
| AM1224LW | 12.14 | 12.14 | 4.13 | 3.62 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 13.72 | 13.72 | 10.38 x 10.38 |
| | 308mm | 308mm | 105mm | 92mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 348mm | 348mm | 264mm x 264mm |
| AM1226LW | 12.14 | 12.14 | 6.13 | 5.62 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 13.72 | 13.72 | 10.38 x 10.38 |
| | 308mm | 308mm | 156mm | 143mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 348mm | 348mm | 264mm x 264mm |
| AM1426LW | 14.14 | 12.26 | 6.13 | 5.60 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 PLA142 | 11.03 | 15.19 | 15.73 | 13.85 | 12.38 x 10.50 |
| | 359mm | 312mm | 156mm | 142mm | 311mm | 260mm | 324mm | 276mm | | 280mm | 386mm | 399mm | 352mm | 314mm x 267mm |
| AM1648LW | 16.27 | 14.40 | 8.13 | 7.58 | 14.25 | 12.25 | 14.75 | 12.88 | P164 PA164 | 13.01 | 17.19 | 17.87 | 15.99 | 13.00 x 11.00 |
| | 413mm | 366mm | 207mm | 192mm | 362mm | 311mm | 375mm | 327mm | | 330mm | 437mm | 454mm | 406mm | 330mm x 279mm |
| AM1868LW | 18.40 | 16.40 | 8.13 | 7.58 | 16.25 | 14.25 | 16.88 | 14.88 | P186 PA186 | 14.97 | 19.28 | 20.00 | 18.00 | 14.00 x 12.00 |
| | 467mm | 417mm | 207mm | 192mm | 413mm | 362mm | 429mm | 378mm | | 380mm | 490mm | 508mm | 457mm | 356mm x 305mm |
| AM2068LW | 20.00 | 16.00 | 8.13 | 7.58 | 17.81 | 13.81 | 18.44 | 14.44 | P206 PA206 | 14.54 | 20.84 | 21.59 | 17.59 | 15.00 x 11.00 |
| | 508mm | 406mm | 207mm | 192mm | 452mm | 351mm | 468mm | 367mm | | 369mm | 529mm | 548mm | 447mm | 381mm x 279mm |

All dimensions are in inches unless otherwise noted
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AM664LW)
Additional back panels found on page 128

Data subject to change without notice

# AM Series

## JIC SIZE JUNCTION BOXES

### Cover Type

Flat Solid/Opaque

### Closure Type

Twist Latch Hinged Cover

## Application

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

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment

## Standards

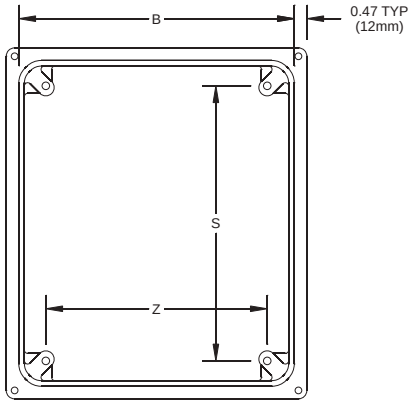
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

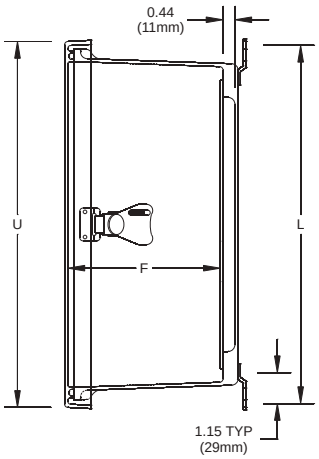
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching flat cover
- 316 stainless steel twist latches feature padlock hasp (.375" dia.)
- Continuous 316 stainless steel hinge
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting feet with 10-32 stainless steel screws included
- #10-32 threaded brass inserts for optional back panel installation
- JIC sizes
- ULTRAGUARD® fiberglass material is easily punched, drilled, or sawed
- UV stabilized for outdoor use

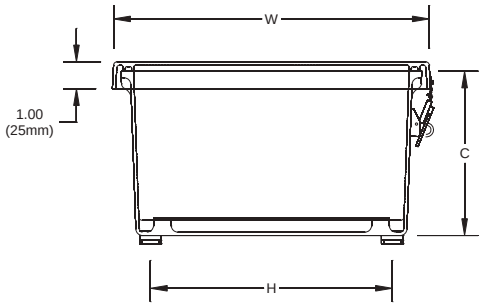
## Accessories & Modifications

- Optional back panels
- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Hinge installed on short side
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening




Note: Cover removed for clarity

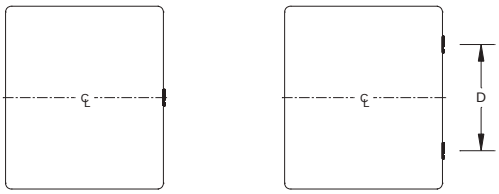



Nominal 1/8" (3mm) wall thickness

## LATCH LOCATIONS

| FOR USE ON: | | FOR USE ON: |
|---|---|---|
| 6x6x4 | 12x10x6 D=8.00 (203 mm) | 16x14x8 D=8.54 (217 mm) |
| 8x6x4 | 12x12x4,6 D=8.00 (203 mm) | 18x16x8 D=6.50 (165 mm) |
| 10x8x4,6 | 14x12x6 D=8.54 (217 mm) | 20x16x8 D=10.52 (267 mm) |




| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Panel Sizes | | | Foot Mount Centers | | Cover Size | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | H | L | U | W |
| AM664T | 6.10 | 6.10 | 4.18 | 3.76 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 PLA66 | 5.01 | 7.32 | 7.69 | 7.69 |
| | 155mm | 155mm | 106mm | 95mm | 108mm | 108mm | 122mm | 122mm | | 127mm | 186mm | 195mm | 195mm |
| AM864T | 8.00 | 6.13 | 4.14 | 3.71 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 PLA86 | 5.02 | 9.20 | 9.59 | 7.71 |
| | 203mm | 156mm | 105mm | 94mm | 159mm | 108mm | 171mm | 124mm | | 127mm | 234mm | 244mm | 196mm |
| AM1084T | 10.14 | 8.26 | 4.13 | 3.68 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 11.73 | 9.90 |
| | 258mm | 210mm | 105mm | 93mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 299mm | 251mm |
| AM1086T | 10.14 | 8.26 | 6.13 | 5.68 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 11.73 | 9.85 |
| | 258mm | 210mm | 156mm | 144mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 298mm | 250mm |
| AM1206T | 12.14 | 10.26 | 6.13 | 5.68 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 | 9.01 | 13.19 | 13.73 | 11.85 |
| | 308mm | 261mm | 156mm | 144mm | 260mm | 210mm | 273mm | 225mm | | 229mm | 335mm | 349mm | 301mm |
| AM1224T | 12.14 | 12.14 | 4.13 | 3.73 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 13.72 | 13.72 |
| | 308mm | 308mm | 105mm | 95mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 348mm | 348mm |
| AM1226T | 12.14 | 12.14 | 6.13 | 5.73 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 13.72 | 13.72 |
| | 308mm | 308mm | 156mm | 145mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 348mm | 348mm |
| AM1426T | 14.14 | 12.26 | 6.13 | 5.71 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 PLA142 | 11.03 | 15.19 | 15.73 | 13.85 |
| | 359mm | 312mm | 156mm | 145mm | 311mm | 260mm | 324mm | 276mm | | 280mm | 386mm | 399mm | 352mm |
| AM1648T | 16.27 | 14.40 | 8.13 | 7.68 | 14.25 | 12.25 | 14.75 | 12.88 | P164 PA164 | 13.01 | 17.19 | 17.87 | 15.99 |
| | 413mm | 366mm | 207mm | 195mm | 362mm | 311mm | 375mm | 327mm | | 330mm | 437mm | 454mm | 406mm |
| AM1868T | 18.40 | 16.40 | 8.13 | 7.69 | 16.25 | 14.25 | 16.88 | 14.88 | P186 PA186 | 14.97 | 19.28 | 20.00 | 18.00 |
| | 467mm | 417mm | 207mm | 195mm | 413mm | 362mm | 429mm | 378mm | | 380mm | 490mm | 508mm | 457mm |
| AM2068T | 20.00 | 16.00 | 8.13 | 7.68 | 17.81 | 13.81 | 18.44 | 14.44 | P206 PA206 | 14.54 | 20.84 | 21.59 | 17.59 |
| | 508mm | 406mm | 207mm | 195mm | 452mm | 351mm | 468mm | 367mm | | 369mm | 529mm | 548mm | 447mm |

All dimensions are in inches unless otherwise noted — Data subject to change without notice
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AM664T)
Additional back panels found on page 128

# AM Series

## JIC SIZE JUNCTION BOXES

### Cover Type

Flat Viewing Window

### Closure Type

Twist Latch Hinged Cover

## Application

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

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment
- Window unit provides viewing area for instrumentation or equipment

## Standards

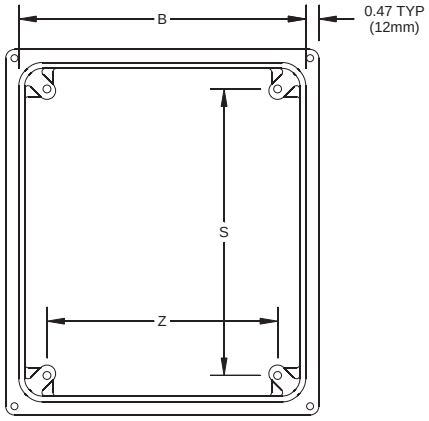
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

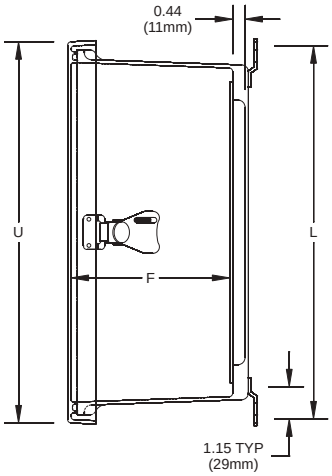
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching flat cover
- UV resistant polycarbonate viewing window
- 316 stainless steel twist latches feature padlock hasp (.375" dia.)
- Continuous 316 stainless steel hinge
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting feet with 10-32 stainless steel screws included
- #10-32 threaded brass inserts for optional back panel installation
- JIC sizes
- ULTRAGUARD® fiberglass material is easily punched, drilled, or sawed
- UV stabilized for outdoor use

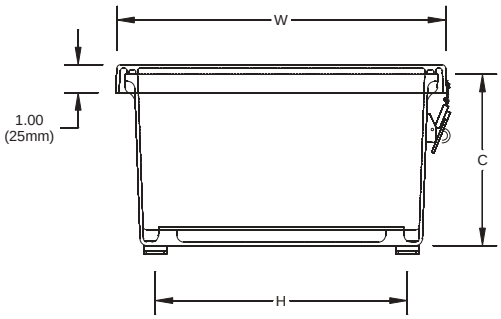
## Accessories & Modifications

- Optional back panels
- Custom holes and cutouts
- Hinge installed on short side
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening




Note: Cover removed for clarity

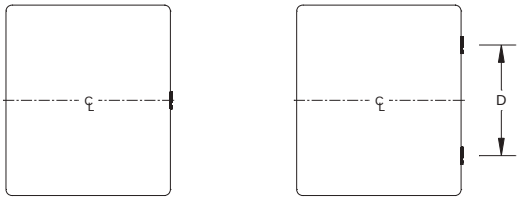



Nominal 1/8" (3mm) wall thickness

## LATCH LOCATIONS

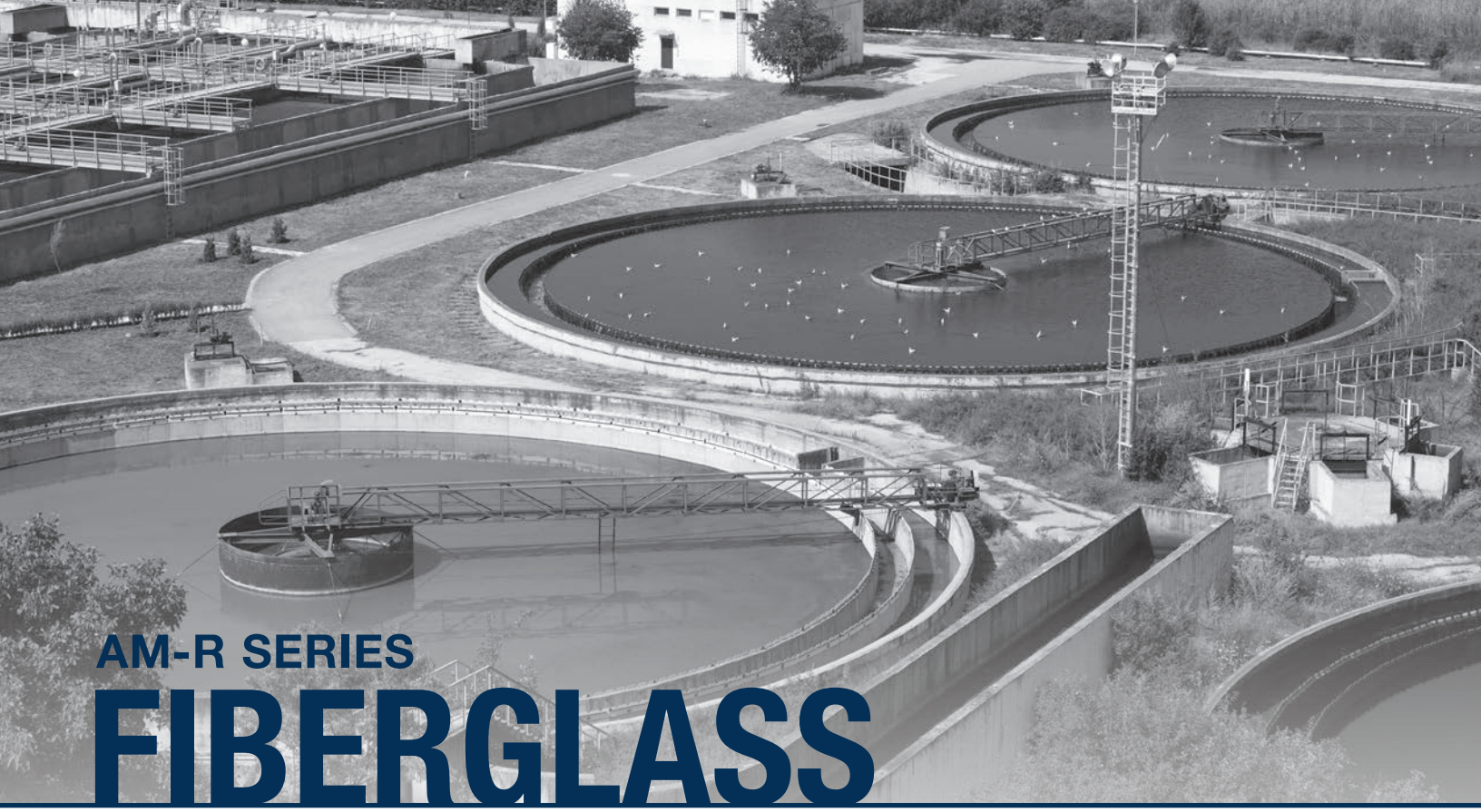
| FOR USE ON: | FOR USE ON: | |
|---|---|---|
| 6x6x4 | 12x10x6 D=8.00 (203 mm) | 16x14x8 D=8.54 (217 mm) |
| 8x6x4 | 12x12x4,6 D=8.00 (203 mm) | 18x16x8 D=6.50 (165 mm) |
| 10x8x4,6 | 14x12x6 D=8.54 (217 mm) | 20x16x8 D=10.52 (267 mm) |




| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Panel Sizes | | | Foot Mount Centers | | Cover Size | | Window Dimension (Height x Width) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | H | L | U | W | |
| AM664TW | 6.10 | 6.10 | 4.18 | 3.65 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 PLA66 | 5.01 | 7.32 | 7.69 | 7.69 | 4.25 x 4.25 |
| | 155mm | 155mm | 106mm | 93mm | 108mm | 108mm | 122mm | 122mm | | 127mm | 186mm | 195mm | 195mm | 108mm x 108mm |
| AM864TW | 8.00 | 6.13 | 4.14 | 3.60 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 PLA86 | 5.02 | 9.20 | 9.59 | 7.71 | 6.25 x 4.25 |
| | 203mm | 156mm | 105mm | 91mm | 159mm | 108mm | 171mm | 124mm | | 127mm | 234mm | 244mm | 196mm | 159mm x 108mm |
| AM1084TW | 10.14 | 8.26 | 4.13 | 3.57 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 11.73 | 9.90 | 8.38 x 6.50 |
| | 258mm | 210mm | 105mm | 91mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 299mm | 251mm | 213mm x 165mm |
| AM1086TW | 10.14 | 8.26 | 6.13 | 5.57 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 11.73 | 9.85 | 8.38 x 6.50 |
| | 258mm | 210mm | 156mm | 141mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 298mm | 250mm | 213mm x 165mm |
| AM1206TW | 12.14 | 10.26 | 6.13 | 5.58 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 | 9.01 | 13.19 | 13.73 | 11.85 | 10.38 x 8.50 |
| | 308mm | 261mm | 156mm | 142mm | 260mm | 210mm | 273mm | 225mm | | 229mm | 335mm | 349mm | 301mm | 264mm x 216mm |
| AM1224TW | 12.14 | 12.14 | 4.13 | 3.62 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 13.72 | 13.72 | 10.38 x 10.38 |
| | 308mm | 308mm | 105mm | 92mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 348mm | 348mm | 264mm x 264mm |
| AM1226TW | 12.14 | 12.14 | 6.13 | 5.62 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 13.72 | 13.72 | 10.38 x 10.38 |
| | 308mm | 308mm | 156mm | 143mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 348mm | 348mm | 264mm x 264mm |
| AM1426TW | 14.14 | 12.26 | 6.13 | 5.60 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 PLA142 | 11.03 | 15.19 | 15.73 | 13.85 | 12.38 x 10.50 |
| | 359mm | 312mm | 156mm | 142mm | 311mm | 260mm | 324mm | 276mm | | 280mm | 386mm | 399mm | 352mm | 314mm x 267mm |
| AM1648TW | 16.27 | 14.40 | 8.13 | 7.58 | 14.25 | 12.25 | 14.75 | 12.88 | P164 PA164 | 13.01 | 17.19 | 17.87 | 15.99 | 13.00 x 11.00 |
| | 413mm | 366mm | 207mm | 192mm | 362mm | 311mm | 375mm | 327mm | | 330mm | 437mm | 454mm | 406mm | 330mm x 279mm |
| AM1868TW | 18.40 | 16.40 | 8.13 | 7.58 | 16.25 | 14.25 | 16.88 | 14.88 | P186 PA186 | 14.97 | 19.28 | 20.00 | 18.00 | 14.00 x 12.00 |
| | 467mm | 417mm | 207mm | 192mm | 413mm | 362mm | 429mm | 378mm | | 380mm | 490mm | 508mm | 457mm | 356mm x 305mm |
| AM2068TW | 20.00 | 16.00 | 8.13 | 7.58 | 17.81 | 13.81 | 18.44 | 14.44 | P206 PA206 | 14.54 | 20.84 | 21.59 | 17.59 | 15.00 x 11.00 |
| | 508mm | 406mm | 207mm | 192mm | 452mm | 351mm | 468mm | 367mm | | 369mm | 529mm | 548mm | 447mm | 381mm x 279mm |

All dimensions are in inches unless otherwise noted
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AM664TW)
Additional back panels found on page 128

Data subject to change without notice



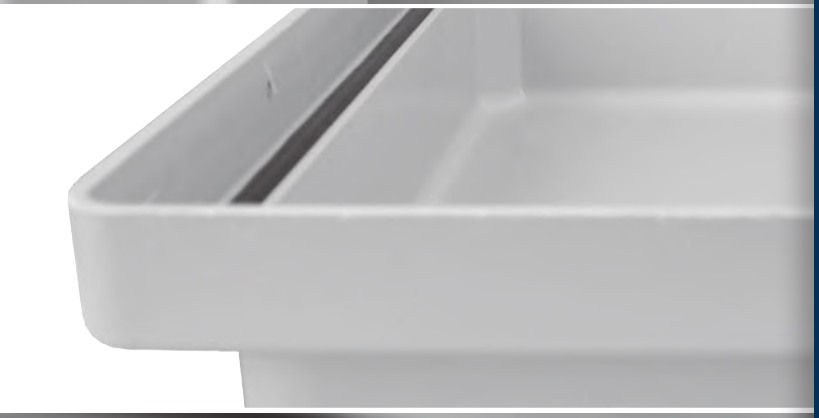
## AM-R SERIES

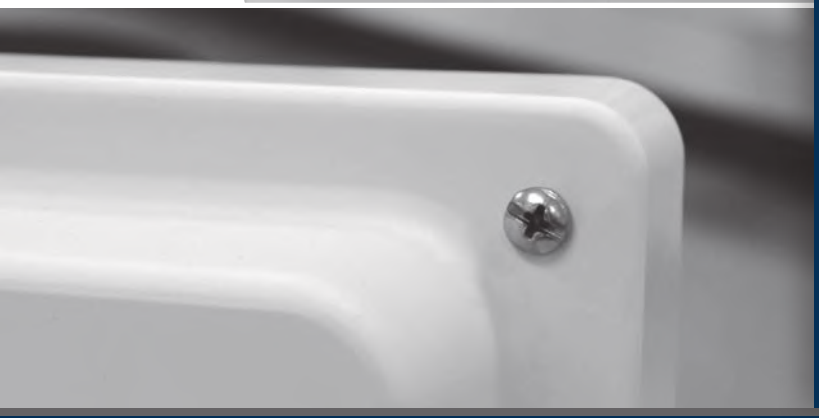
# FIBERGLASS

The AM-R Series offers the same sizes and options as our AM series, with the added feature of a raised cover. The cover adds an additional 1-3/4" of depth to accommodate switches and other devices, and can be used with an optional hinged front panel (HFP) for maximum configuration flexibility within a single enclosure.

AM-R Series enclosures insulate and protect controls and components in both indoor and outdoor applications, including high temperature and/or corrosive environments. They are available in standard JIC sizes with a variety of latching options for any application.

Scan to learn more





## AM-R Series Features & Benefits

- Molded ULTRAGUARD® fiberglass reinforced polyester (FRP) material construction for durability
- Continuous 316 stainless steel hinge
- 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

## AM-R 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
- Optional hinged front panels
- 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
- Hinge installed on short side
- 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**

# AM-R Series

## JIC SIZE JUNCTION BOXES

### Cover Type

Raised Solid/Opaque

### Latching Option

Lift-Off Screw Cover

## Application

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

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment

## Standards

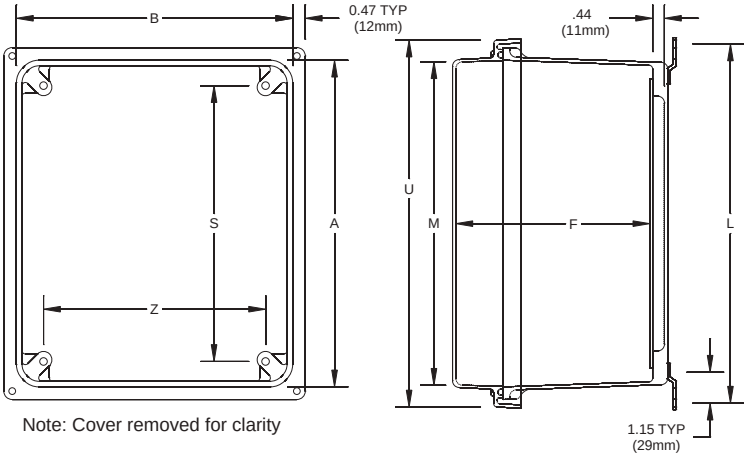
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6"x6" up through 14"x12"), 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6"x6" up through 14"x12"), 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6"x6" up through 14"x12"), 12 and 13
  - IEC 60529 Type IP68 submersible up to 24 hours at a depth of 6 feet (1.8 meters)
  - RoHS directive

## Construction

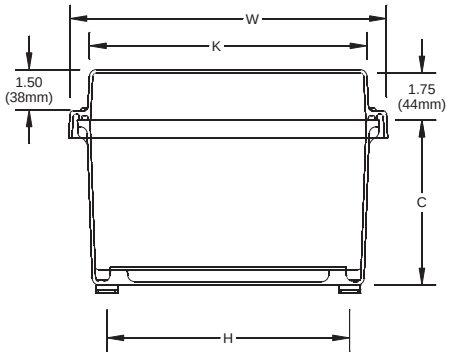
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching raised cover
- 316 stainless steel captive cover screws
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting feet with 10-32 stainless steel screws included
- #10-32 threaded brass inserts for optional back panel installation
- JIC sizes
- ULTRAGUARD® fiberglass material is easily punched, drilled, or sawed
- 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

| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Panel Sizes | | | Foot Mount Centers | | Cover Size | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | H | L | K | M | U | W |
| AM664R | 6.10 | 6.10 | 4.18 | 5.29 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 PLA66 | 5.01 | 7.32 | 6.08 | 6.08 | 7.69 | 7.69 |
| | 155mm | 155mm | 106mm | 134mm | 108mm | 108mm | 122mm | 122mm | | 127mm | 186mm | 154mm | 154mm | 195mm | 195mm |
| AM864R | 8.00 | 6.13 | 4.14 | 5.21 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 PLA86 | 5.02 | 9.20 | 7.71 | 7.98 | 9.59 | 7.71 |
| | 203mm | 156mm | 105mm | 132mm | 159mm | 108mm | 171mm | 124mm | | 127mm | 234mm | 196mm | 203mm | 244mm | 196mm |
| AM1084R | 10.14 | 8.26 | 4.13 | 5.21 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 8.29 | 10.16 | 11.73 | 9.90 |
| | 258mm | 210mm | 105mm | 132mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 211mm | 258mm | 299mm | 251mm |
| AM1086R | 10.14 | 8.26 | 6.13 | 7.21 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 8.29 | 10.16 | 11.73 | 9.85 |
| | 258mm | 210mm | 156mm | 183mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 211mm | 258mm | 298mm | 250mm |
| AM1206R | 12.14 | 10.26 | 6.13 | 7.21 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 | 9.01 | 13.19 | 10.29 | 12.16 | 13.73 | 11.85 |
| | 308mm | 261mm | 156mm | 183mm | 260mm | 210mm | 273mm | 225mm | | 229mm | 335mm | 261mm | 309mm | 349mm | 301mm |
| AM1224R | 12.14 | 12.14 | 4.13 | 5.26 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 12.16 | 12.16 | 13.72 | 13.72 |
| | 308mm | 308mm | 105mm | 134mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 309mm | 309mm | 348mm | 348mm |
| AM1226R | 12.14 | 12.14 | 6.13 | 7.26 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 12.16 | 12.16 | 13.72 | 13.72 |
| | 308mm | 308mm | 156mm | 184mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 309mm | 309mm | 348mm | 348mm |
| AM1426R | 14.14 | 12.26 | 6.13 | 7.21 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 PLA142 | 11.03 | 15.19 | 12.29 | 14.16 | 15.73 | 13.85 |
| | 359mm | 312mm | 156mm | 183mm | 311mm | 260mm | 324mm | 276mm | | 280mm | 386mm | 312mm | 360mm | 399mm | 352mm |
| AM1648R | 16.27 | 14.40 | 8.13 | 9.21 | 14.25 | 12.25 | 14.75 | 12.88 | P164 PA164 | 13.01 | 17.19 | 13.70 | 15.57 | 17.87 | 15.99 |
| | 413mm | 366mm | 207mm | 234mm | 362mm | 311mm | 375mm | 327mm | | 330mm | 437mm | 348mm | 395mm | 454mm | 406mm |
| AM1868R | 18.40 | 16.40 | 8.13 | 9.22 | 16.25 | 14.25 | 16.88 | 14.88 | P186 PA186 | 14.97 | 19.28 | 15.70 | 17.70 | 20.00 | 18.00 |
| | 467mm | 417mm | 207mm | 234mm | 413mm | 362mm | 429mm | 378mm | | 380mm | 490mm | 399mm | 450mm | 508mm | 457mm |
| AM2068R | 20.00 | 16.00 | 8.13 | 9.21 | 17.81 | 13.81 | 18.44 | 14.44 | P206 PA206 | 14.54 | 20.84 | 15.27 | 19.27 | 21.59 | 17.59 |
| | 508mm | 406mm | 207mm | 234mm | 452mm | 351mm | 468mm | 367mm | | 369mm | 529mm | 388mm | 489mm | 548mm | 447mm |

All dimensions are in inches unless otherwise noted
Sizes 6" x 6" up through 14" x 12" are rated 6P (IP68)
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AM664R)
Additional back panels found on page 128

Data subject to change without notice

# AM-R Series

## JIC SIZE JUNCTION BOXES

### Cover Type

Raised Viewing Window

### Closure Type

Lift-Off Screw Cover

## Application

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

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment
- Window unit provides viewing area for instrumentation or equipment

## Standards

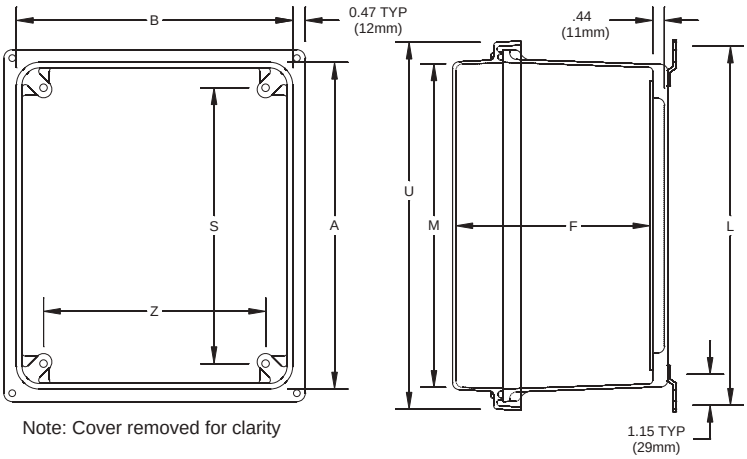
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

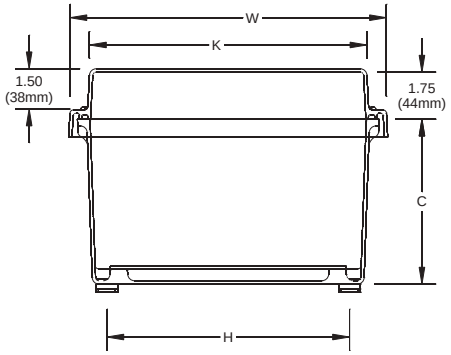
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching raised cover
- UV resistant polycarbonate viewing window
- 316 stainless steel captive cover screws
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting feet with 10-32 stainless steel screws included
- #10-32 threaded brass inserts for optional back panel installation
- JIC sizes
- ULTRAGUARD® fiberglass material is easily punched, drilled, or sawed
- 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




Note: Cover removed for clarity




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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | H | L | K | M | U | W | |
| AM664RW | 6.10 | 6.10 | 4.18 | 5.18 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 PLA66 | 5.01 | 7.32 | 6.08 | 6.08 | 7.69 | 7.69 | 4.25 x 4.25 |
| | 155mm | 155mm | 106mm | 131mm | 108mm | 108mm | 122mm | 122mm | | 127mm | 186mm | 154mm | 154mm | 195mm | 195mm | 108mm x 108mm |
| AM864RW | 8.00 | 6.13 | 4.14 | 5.10 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 PLA86 | 5.02 | 9.20 | 7.71 | 7.98 | 9.59 | 7.71 | 6.25 x 4.25 |
| | 203mm | 156mm | 105mm | 130mm | 159mm | 108mm | 171mm | 124mm | | 127mm | 234mm | 196mm | 203mm | 244mm | 196mm | 159mm x 108mm |
| AM1084RW | 10.14 | 8.26 | 4.13 | 5.10 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 8.29 | 10.16 | 11.73 | 9.90 | 8.38 x 6.50 |
| | 258mm | 210mm | 105mm | 130mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 211mm | 258mm | 299mm | 251mm | 213mm x 165mm |
| AM1086RW | 10.14 | 8.26 | 6.13 | 7.12 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 8.29 | 10.16 | 11.73 | 9.85 | 8.38 x 6.50 |
| | 258mm | 210mm | 156mm | 181mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 211mm | 258mm | 298mm | 250mm | 213mm x 165mm |
| AM1206RW | 12.14 | 10.26 | 6.13 | 7.10 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 | 9.01 | 13.19 | 10.29 | 12.16 | 13.73 | 11.85 | 10.38 x 8.50 |
| | 308mm | 261mm | 156mm | 180mm | 260mm | 210mm | 273mm | 225mm | | 229mm | 335mm | 261mm | 309mm | 349mm | 301mm | 264mm x 216mm |
| AM1224RW | 12.14 | 12.14 | 4.13 | 5.15 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 12.16 | 12.16 | 13.72 | 13.72 | 10.38 x 10.38 |
| | 308mm | 308mm | 105mm | 131mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 309mm | 309mm | 348mm | 348mm | 264mm x 264mm |
| AM1226RW | 12.14 | 12.14 | 6.13 | 7.15 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 12.16 | 12.16 | 13.72 | 13.72 | 10.38 x 10.38 |
| | 308mm | 308mm | 156mm | 182mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 309mm | 309mm | 348mm | 348mm | 264mm x 264mm |
| AM1426RW | 14.14 | 12.26 | 6.13 | 7.10 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 PLA142 | 11.03 | 15.19 | 12.29 | 14.16 | 15.73 | 13.85 | 12.38 x 10.50 |
| | 359mm | 312mm | 156mm | 180mm | 311mm | 260mm | 324mm | 276mm | | 280mm | 386mm | 312mm | 360mm | 399mm | 352mm | 314mm x 267mm |
| AM1648RW | 16.27 | 14.40 | 8.13 | 9.10 | 14.25 | 12.25 | 14.75 | 12.88 | P164 PA164 | 13.01 | 17.19 | 13.70 | 15.57 | 17.87 | 15.99 | 13.00 x 11.00 |
| | 413mm | 366mm | 207mm | 231mm | 362mm | 311mm | 375mm | 327mm | | 330mm | 437mm | 348mm | 395mm | 454mm | 406mm | 330mm x 279mm |
| AM1868RW | 18.40 | 16.40 | 8.13 | 9.11 | 16.25 | 14.25 | 16.88 | 14.88 | P186 PA186 | 14.97 | 19.28 | 15.70 | 17.70 | 20.00 | 18.00 | 14.00 x 12.00 |
| | 467mm | 417mm | 207mm | 231mm | 413mm | 362mm | 429mm | 378mm | | 380mm | 490mm | 399mm | 450mm | 508mm | 457mm | 356mm x 305mm |
| AM2068RW | 20.00 | 16.00 | 8.13 | 9.10 | 17.81 | 13.81 | 18.44 | 14.44 | P206 PA206 | 14.54 | 20.84 | 15.27 | 19.27 | 21.59 | 17.59 | 15.00 x 11.00 |
| | 508mm | 406mm | 207mm | 231mm | 452mm | 351mm | 468mm | 367mm | | 369mm | 529mm | 388mm | 489mm | 548mm | 447mm | 381mm x 279mm |

All dimensions are in inches unless otherwise noted
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AM664RW)
Additional back panels found on page 128

Data subject to change without notice

# AM-R Series

## JIC SIZE JUNCTION BOXES

### Cover Type

Raised 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 oil refineries, waste water treatment equipment, chemical plants, and many other applications

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment

## Standards

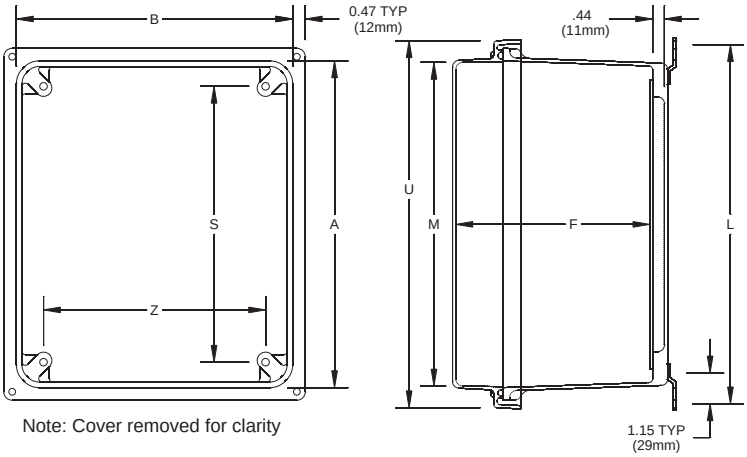
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

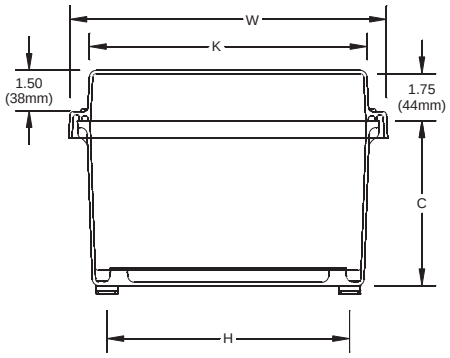
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching raised cover
- 316 stainless steel captive cover screws
- Continuous 316 stainless steel hinge
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting feet with 10-32 stainless steel screws included
- #10-32 threaded brass inserts for optional back panel installation
- JIC sizes
- ULTRAGUARD® fiberglass material is easily punched, drilled, or sawed
- UV stabilized for outdoor use

## Accessories & Modifications

- Optional back panels and hinged front panels
- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Hinge installed on short side
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening




Note: Cover removed for clarity




Nominal 1/8" (3mm) wall thickness

| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Panel Sizes | | | Foot Mount Centers | | Cover Size | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | H | L | K | M | U | W |
| AM664RH | 6.10 | 6.10 | 4.18 | 5.29 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 PLA66 | 5.01 | 7.32 | 6.08 | 6.08 | 7.69 | 7.69 |
| | 155mm | 155mm | 106mm | 134mm | 108mm | 108mm | 122mm | 122mm | | 127mm | 186mm | 154mm | 154mm | 195mm | 195mm |
| AM864RH | 8.00 | 6.13 | 4.14 | 5.21 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 PLA86 | 5.02 | 9.20 | 7.71 | 7.98 | 9.59 | 7.71 |
| | 203mm | 156mm | 105mm | 132mm | 159mm | 108mm | 171mm | 124mm | | 127mm | 234mm | 196mm | 203mm | 244mm | 196mm |
| AM1084RH | 10.14 | 8.26 | 4.13 | 5.21 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 8.29 | 10.16 | 11.73 | 9.90 |
| | 258mm | 210mm | 105mm | 132mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 211mm | 258mm | 299mm | 251mm |
| AM1086RH | 10.14 | 8.26 | 6.13 | 7.21 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 8.29 | 10.16 | 11.73 | 9.85 |
| | 258mm | 210mm | 156mm | 183mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 211mm | 258mm | 298mm | 250mm |
| AM1206RH | 12.14 | 10.26 | 6.13 | 7.21 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 | 9.01 | 13.19 | 10.29 | 12.16 | 13.73 | 11.85 |
| | 308mm | 261mm | 156mm | 183mm | 260mm | 210mm | 273mm | 225mm | | 229mm | 335mm | 261mm | 309mm | 349mm | 301mm |
| AM1224RH | 12.14 | 12.14 | 4.13 | 5.26 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 12.16 | 12.16 | 13.72 | 13.72 |
| | 308mm | 308mm | 105mm | 134mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 309mm | 309mm | 348mm | 348mm |
| AM1226RH | 12.14 | 12.14 | 6.13 | 7.26 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 12.16 | 12.16 | 13.72 | 13.72 |
| | 308mm | 308mm | 156mm | 184mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 309mm | 309mm | 348mm | 348mm |
| AM1426RH | 14.14 | 12.26 | 6.13 | 7.21 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 PLA142 | 11.03 | 15.19 | 12.29 | 14.16 | 15.73 | 13.85 |
| | 359mm | 312mm | 156mm | 183mm | 311mm | 260mm | 324mm | 276mm | | 280mm | 386mm | 312mm | 360mm | 399mm | 352mm |
| AM1648RH | 16.27 | 14.40 | 8.13 | 9.21 | 14.25 | 12.25 | 14.75 | 12.88 | P164 PA164 | 13.01 | 17.19 | 13.70 | 15.57 | 17.87 | 15.99 |
| | 413mm | 366mm | 207mm | 234mm | 362mm | 311mm | 375mm | 327mm | | 330mm | 437mm | 348mm | 395mm | 454mm | 406mm |
| AM1868RH | 18.40 | 16.40 | 8.13 | 9.22 | 16.25 | 14.25 | 16.88 | 14.88 | P186 PA186 | 14.97 | 19.28 | 15.70 | 17.70 | 20.00 | 18.00 |
| | 467mm | 417mm | 207mm | 234mm | 413mm | 362mm | 429mm | 378mm | | 380mm | 490mm | 399mm | 450mm | 508mm | 457mm |
| AM2068RH | 20.00 | 16.00 | 8.13 | 9.21 | 17.81 | 13.81 | 18.44 | 14.44 | P206 PA206 | 14.54 | 20.84 | 15.27 | 19.27 | 21.59 | 17.59 |
| | 508mm | 406mm | 207mm | 234mm | 452mm | 351mm | 468mm | 367mm | | 369mm | 529mm | 388mm | 489mm | 548mm | 447mm |

All dimensions are in inches unless otherwise noted Data subject to change without notice
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AM664RH)
Additional back panels found on page 128

# AM-R Series

## JIC SIZE JUNCTION BOXES

### Cover Type

Raised Viewing Window

### Closure Type

Hinged Screw Cover

## Application

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

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment
- Window unit provides viewing area for instrumentation or equipment

## Standards

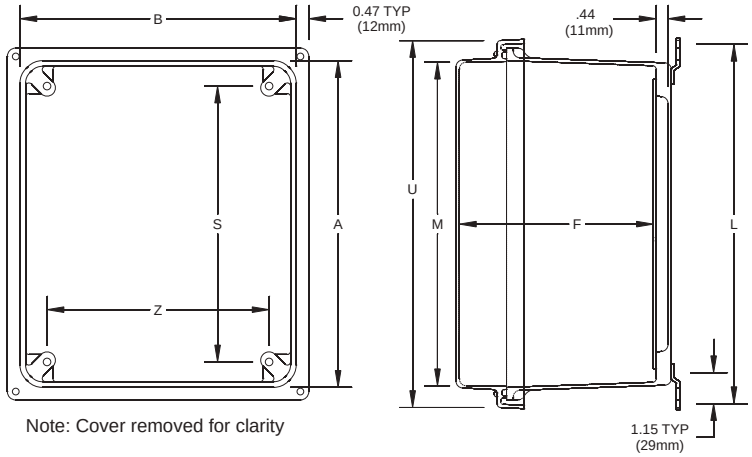
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

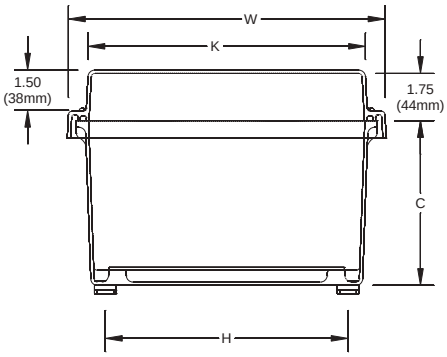
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching raised cover
- UV resistant polycarbonate viewing window
- 316 stainless steel captive cover screws
- Continuous 316 stainless steel hinge
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting feet with 10-32 stainless steel screws included
- #10-32 threaded brass inserts for optional back panel installation
- JIC sizes
- ULTRAGUARD® fiberglass material is easily punched, drilled, or sawed
- UV stabilized for outdoor use

## Accessories & Modifications

- Optional back panels and hinged front panels
- Custom holes and cutouts
- Hinge installed on short side
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening




Note: Cover removed for clarity




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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | H | L | K | M | U | W | |
| AM664RHW | 6.10 | 6.10 | 4.18 | 5.18 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 PLA66 | 5.01 | 7.32 | 6.08 | 6.08 | 7.69 | 7.69 | 4.25 x 4.25 |
| | 155mm | 155mm | 106mm | 131mm | 108mm | 108mm | 122mm | 122mm | | 127mm | 186mm | 154mm | 154mm | 195mm | 195mm | 108mm x 108mm |
| AM864RHW | 8.00 | 6.13 | 4.14 | 5.10 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 PLA86 | 5.02 | 9.20 | 7.71 | 7.98 | 9.59 | 7.71 | 6.25 x 4.25 |
| | 203mm | 156mm | 105mm | 130mm | 159mm | 108mm | 171mm | 124mm | | 127mm | 234mm | 196mm | 203mm | 244mm | 196mm | 159mm x 108mm |
| AM1084RHW | 10.14 | 8.26 | 4.13 | 5.10 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 8.29 | 10.16 | 11.73 | 9.90 | 8.38 x 6.50 |
| | 258mm | 210mm | 105mm | 130mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 211mm | 258mm | 299mm | 251mm | 213mm x 165mm |
| AM1086RHW | 10.14 | 8.26 | 6.13 | 7.12 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 8.29 | 10.16 | 11.73 | 9.85 | 8.38 x 6.50 |
| | 258mm | 210mm | 156mm | 181mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 211mm | 258mm | 298mm | 250mm | 213mm x 165mm |
| AM1206RHW | 12.14 | 10.26 | 6.13 | 7.10 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 | 9.01 | 13.19 | 10.29 | 12.16 | 13.73 | 11.85 | 10.38 x 8.50 |
| | 308mm | 261mm | 156mm | 180mm | 260mm | 210mm | 273mm | 225mm | | 229mm | 335mm | 261mm | 309mm | 349mm | 301mm | 264mm x 216mm |
| AM1224RHW | 12.14 | 12.14 | 4.13 | 5.15 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 12.16 | 12.16 | 13.72 | 13.72 | 10.38 x 10.38 |
| | 308mm | 308mm | 105mm | 131mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 309mm | 309mm | 348mm | 348mm | 264mm x 264mm |
| AM1226RHW | 12.14 | 12.14 | 6.13 | 7.15 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 12.16 | 12.16 | 13.72 | 13.72 | 10.38 x 10.38 |
| | 308mm | 308mm | 156mm | 182mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 309mm | 309mm | 348mm | 348mm | 264mm x 264mm |
| AM1426RHW | 14.14 | 12.26 | 6.13 | 7.10 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 PLA142 | 11.03 | 15.19 | 12.29 | 14.16 | 15.73 | 13.85 | 12.38 x 10.50 |
| | 359mm | 312mm | 156mm | 180mm | 311mm | 260mm | 324mm | 276mm | | 280mm | 386mm | 312mm | 360mm | 399mm | 352mm | 314mm x 267mm |
| AM1648RHW | 16.27 | 14.40 | 8.13 | 9.10 | 14.25 | 12.25 | 14.75 | 12.88 | P164 PA164 | 13.01 | 17.19 | 13.70 | 15.57 | 17.87 | 15.99 | 13.00 x 11.00 |
| | 413mm | 366mm | 207mm | 231mm | 362mm | 311mm | 375mm | 327mm | | 330mm | 437mm | 348mm | 395mm | 454mm | 406mm | 330mm x 279mm |
| AM1868RHW | 18.40 | 16.40 | 8.13 | 9.11 | 16.25 | 14.25 | 16.88 | 14.88 | P186 PA186 | 14.97 | 19.28 | 15.70 | 17.70 | 20.00 | 18.00 | 14.00 x 12.00 |
| | 467mm | 417mm | 207mm | 231mm | 413mm | 362mm | 429mm | 378mm | | 380mm | 490mm | 399mm | 450mm | 508mm | 457mm | 356mm x 305mm |
| AM2068RHW | 20.00 | 16.00 | 8.13 | 9.10 | 17.81 | 13.81 | 18.44 | 14.44 | P206 PA206 | 14.54 | 20.84 | 15.27 | 19.27 | 21.59 | 17.59 | 15.00 x 11.00 |
| | 508mm | 406mm | 207mm | 231mm | 452mm | 351mm | 468mm | 367mm | | 369mm | 529mm | 388mm | 489mm | 548mm | 447mm | 381mm x 279mm |

All dimensions are in inches unless otherwise noted
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AM664RHW)
Additional back panels found on page 128

Data subject to change without notice

# AM-R Series

## JIC SIZE JUNCTION BOXES

### Cover Type

Raised Solid/Opaque

### Closure Type

Snap Latch Hinged Cover

## Application

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

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment

## Standards

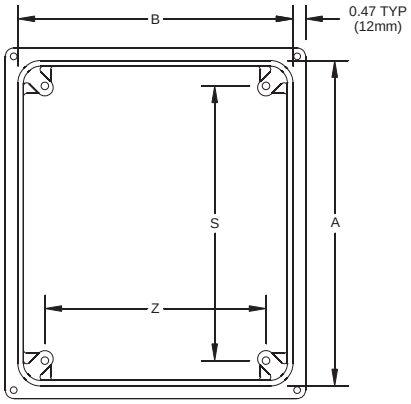
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

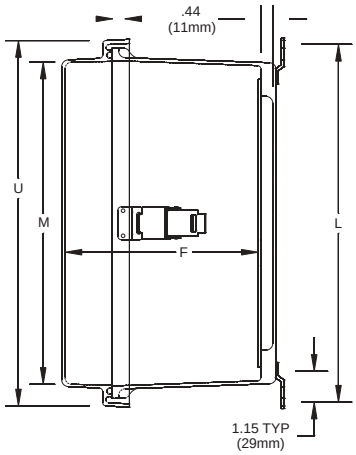
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching raised cover
- 316 stainless steel snap latches feature padlock hasp (.375" dia.)
- Continuous 316 stainless steel hinge
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting feet with 10-32 stainless steel screws included
- #10-32 threaded brass inserts for optional back panel installation
- JIC sizes
- ULTRAGUARD® fiberglass material is easily punched, drilled, or sawed
- UV stabilized for outdoor use

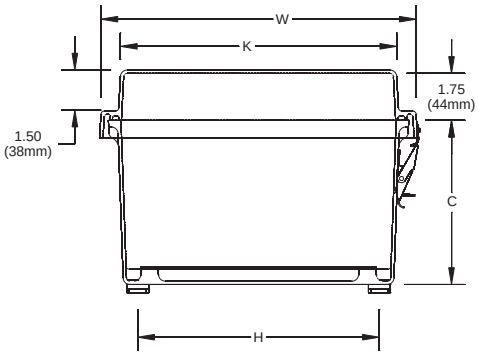
## Accessories & Modifications

- Optional back panels and hinged front panels
- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Hinge installed on short side
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening




Note: Cover removed for clarity

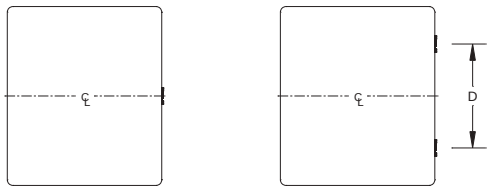



Nominal 1/8" (3mm) wall thickness

## LATCH LOCATIONS

| FOR USE ON: | FOR USE ON: | |
|---|---|---|
| 6x6x4 | 12x10x6 D=8.00 (203 mm) | 16x14x8 D=8.61 (219 mm) |
| 8x6x4 | 12x12x4,6 D=8.00 (203 mm) | 18x16x8 D=6.50 (165 mm) |
| 10x8x4,6 | 14x12x6 D=8.50 (216 mm) | 20x16x8 D=10.52 (267 mm) |




| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Panel Sizes | | | Foot Mount Centers | | Cover Size | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | H | L | K | M | U | W |
| AM664RL | 6.10 | 6.10 | 4.18 | 5.29 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 PLA66 | 5.01 | 7.32 | 6.08 | 6.08 | 7.69 | 7.69 |
| | 155mm | 155mm | 106mm | 134mm | 108mm | 108mm | 122mm | 122mm | | 127mm | 186mm | 154mm | 154mm | 195mm | 195mm |
| AM864RL | 8.00 | 6.13 | 4.14 | 5.21 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 PLA86 | 5.02 | 9.20 | 7.71 | 7.98 | 9.59 | 7.71 |
| | 203mm | 156mm | 105mm | 132mm | 159mm | 108mm | 171mm | 124mm | | 127mm | 234mm | 196mm | 203mm | 244mm | 196mm |
| AM1084RL | 10.14 | 8.26 | 4.13 | 5.21 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 8.29 | 10.16 | 11.73 | 9.90 |
| | 258mm | 210mm | 105mm | 132mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 211mm | 258mm | 299mm | 251mm |
| AM1086RL | 10.14 | 8.26 | 6.13 | 7.21 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 8.29 | 10.16 | 11.73 | 9.85 |
| | 258mm | 210mm | 156mm | 183mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 211mm | 258mm | 298mm | 250mm |
| AM1206RL | 12.14 | 10.26 | 6.13 | 7.21 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 | 9.01 | 13.19 | 10.29 | 12.16 | 13.73 | 11.85 |
| | 308mm | 261mm | 156mm | 183mm | 260mm | 210mm | 273mm | 225mm | | 229mm | 335mm | 261mm | 309mm | 349mm | 301mm |
| AM1224RL | 12.14 | 12.14 | 4.13 | 5.26 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 12.16 | 12.16 | 13.72 | 13.72 |
| | 308mm | 308mm | 105mm | 134mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 309mm | 309mm | 348mm | 348mm |
| AM1226RL | 12.14 | 12.14 | 6.13 | 7.26 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 12.16 | 12.16 | 13.72 | 13.72 |
| | 308mm | 308mm | 156mm | 184mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 309mm | 309mm | 348mm | 348mm |
| AM1426RL | 14.14 | 12.26 | 6.13 | 7.21 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 PLA142 | 11.03 | 15.19 | 12.29 | 14.16 | 15.73 | 13.85 |
| | 359mm | 312mm | 156mm | 183mm | 311mm | 260mm | 324mm | 276mm | | 280mm | 386mm | 312mm | 360mm | 399mm | 352mm |
| AM1648RL | 16.27 | 14.40 | 8.13 | 9.21 | 14.25 | 12.25 | 14.75 | 12.88 | P164 PA164 | 13.01 | 17.19 | 13.70 | 15.57 | 17.87 | 15.99 |
| | 413mm | 366mm | 207mm | 234mm | 362mm | 311mm | 375mm | 327mm | | 330mm | 437mm | 348mm | 395mm | 454mm | 406mm |
| AM1868RL | 18.40 | 16.40 | 8.13 | 9.22 | 16.25 | 14.25 | 16.88 | 14.88 | P186 PA186 | 14.97 | 19.28 | 15.70 | 17.70 | 20.00 | 18.00 |
| | 467mm | 417mm | 207mm | 234mm | 413mm | 362mm | 429mm | 378mm | | 380mm | 490mm | 399mm | 450mm | 508mm | 457mm |
| AM2068RL | 20.00 | 16.00 | 8.13 | 9.21 | 17.81 | 13.81 | 18.44 | 14.44 | P206 PA206 | 14.54 | 20.84 | 15.27 | 19.27 | 21.59 | 17.59 |
| | 508mm | 406mm | 207mm | 234mm | 452mm | 351mm | 468mm | 367mm | | 369mm | 529mm | 388mm | 489mm | 548mm | 447mm |

All dimensions are in inches unless otherwise noted
Data subject to change without notice
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AM664RL)
Additional back panels found on page 128

# AM-R Series

## JIC SIZE JUNCTION BOXES

### Cover Type

Raised Viewing Window

### Closure Type

Snap Latch Hinged Cover

## Application

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

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment
- Window unit provides viewing area for instrumentation or equipment

## Standards

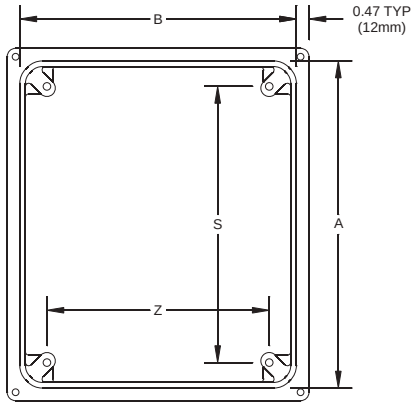
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

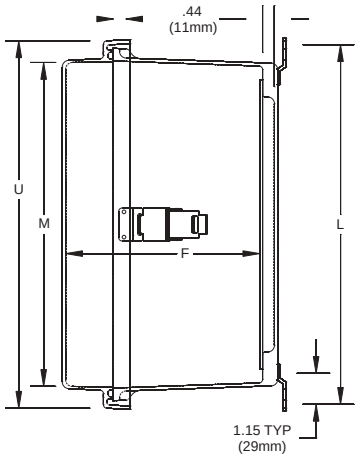
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching raised cover
- UV resistant polycarbonate viewing window
- 316 stainless steel snap latches feature padlock hasp (.375" dia.)
- Continuous 316 stainless steel hinge
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting feet with 10-32 stainless steel screws included
- #10-32 threaded brass inserts for optional back panel installation
- JIC sizes
- ULTRAGUARD® fiberglass material is easily punched, drilled, or sawed
- UV stabilized for outdoor use

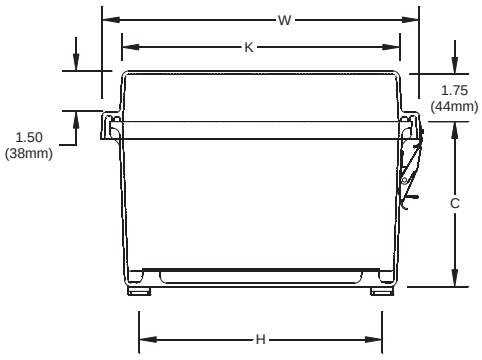
## Accessories & Modifications

- Optional back panels and hinged front panels
- Custom holes and cutouts
- Hinge installed on short side
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening




Note: Cover removed for clarity

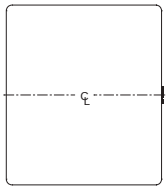


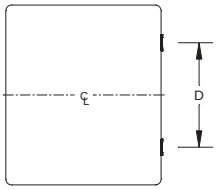




Nominal 1/8" (3mm) wall thickness

## LATCH LOCATIONS

| FOR USE ON: | | FOR USE ON: |
|---|---|---|
| 6x6x4 | 12x10x6 D=8.00 (203 mm) | 16x14x8 D=8.61 (219 mm) |
| 8x6x4 | 12x12x4,6 D=8.00 (203 mm) | 18x16x8 D=6.50 (165 mm) |
| 10x8x4,6 | 14x12x6 D=8.50 (216 mm) | 20x16x8 D=10.52 (267 mm) |






| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Panel Sizes | | | Foot Mount Centers | | Cover Size | | | | Window Dimension (Height x Width) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | H | L | K | M | U | W | |
| AM664RLW | 6.10 | 6.10 | 4.18 | 5.18 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 PLA66 | 5.01 | 7.32 | 6.08 | 6.08 | 7.69 | 7.69 | 4.25 x 4.25 |
| | 155mm | 155mm | 106mm | 131mm | 108mm | 108mm | 122mm | 122mm | | 127mm | 186mm | 154mm | 154mm | 195mm | 195mm | 108mm x 108mm |
| AM864RLW | 8.00 | 6.13 | 4.14 | 5.10 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 PLA86 | 5.02 | 9.20 | 7.71 | 7.98 | 9.59 | 7.71 | 6.25 x 4.25 |
| | 203mm | 156mm | 105mm | 130mm | 159mm | 108mm | 171mm | 124mm | | 127mm | 234mm | 196mm | 203mm | 244mm | 196mm | 159mm x 108mm |
| AM1084RLW | 10.14 | 8.26 | 4.13 | 5.10 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 8.29 | 10.16 | 11.73 | 9.90 | 8.38 x 6.50 |
| | 258mm | 210mm | 105mm | 130mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 211mm | 258mm | 299mm | 251mm | 213mm x 165mm |
| AM1086RLW | 10.14 | 8.26 | 6.13 | 7.12 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 8.29 | 10.16 | 11.73 | 9.85 | 8.38 x 6.50 |
| | 258mm | 210mm | 156mm | 181mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 211mm | 258mm | 298mm | 250mm | 213mm x 165mm |
| AM1206RLW | 12.14 | 10.26 | 6.13 | 7.10 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 | 9.01 | 13.19 | 10.29 | 12.16 | 13.73 | 11.85 | 10.38 x 8.50 |
| | 308mm | 261mm | 156mm | 180mm | 260mm | 210mm | 273mm | 225mm | | 229mm | 335mm | 261mm | 309mm | 349mm | 301mm | 264mm x 216mm |
| AM1224RLW | 12.14 | 12.14 | 4.13 | 5.15 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 12.16 | 12.16 | 13.72 | 13.72 | 10.38 x 10.38 |
| | 308mm | 308mm | 105mm | 131mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 309mm | 309mm | 348mm | 348mm | 264mm x 264mm |
| AM1226RLW | 12.14 | 12.14 | 6.13 | 7.15 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 12.16 | 12.16 | 13.72 | 13.72 | 10.38 x 10.38 |
| | 308mm | 308mm | 156mm | 182mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 309mm | 309mm | 348mm | 348mm | 264mm x 264mm |
| AM1426RLW | 14.14 | 12.26 | 6.13 | 7.10 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 PLA142 | 11.03 | 15.19 | 12.29 | 14.16 | 15.73 | 13.85 | 12.38 x 10.50 |
| | 359mm | 312mm | 156mm | 180mm | 311mm | 260mm | 324mm | 276mm | | 280mm | 386mm | 312mm | 360mm | 399mm | 352mm | 314mm x 267mm |
| AM1648RLW | 16.27 | 14.40 | 8.13 | 9.10 | 14.25 | 12.25 | 14.75 | 12.88 | P164 PA164 | 13.01 | 17.19 | 13.70 | 15.57 | 17.87 | 15.99 | 13.00 x 11.00 |
| | 413mm | 366mm | 207mm | 231mm | 362mm | 311mm | 375mm | 327mm | | 330mm | 437mm | 348mm | 395mm | 454mm | 406mm | 330mm x 279mm |
| AM1868RLW | 18.40 | 16.40 | 8.13 | 9.11 | 16.25 | 14.25 | 16.88 | 14.88 | P186 PA186 | 14.97 | 19.28 | 15.70 | 17.70 | 20.00 | 18.00 | 14.00 x 12.00 |
| | 467mm | 417mm | 207mm | 231mm | 413mm | 362mm | 429mm | 378mm | | 380mm | 490mm | 399mm | 450mm | 508mm | 457mm | 356mm x 305mm |
| AM2068RLW | 20.00 | 16.00 | 8.13 | 9.10 | 17.81 | 13.81 | 18.44 | 14.44 | P206 PA206 | 14.54 | 20.84 | 15.27 | 19.27 | 21.59 | 17.59 | 15.00 x 11.00 |
| | 508mm | 406mm | 207mm | 231mm | 452mm | 351mm | 468mm | 367mm | | 369mm | 529mm | 388mm | 489mm | 548mm | 447mm | 381mm x 279mm |

All dimensions are in inches unless otherwise noted
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AM664RLW)
Additional back panels found on page 128

Data subject to change without notice

# AM-R Series

## JIC SIZE JUNCTION BOXES

### Cover Type

Raised Solid/Opaque

### Closure Type

Twist Latch Hinged Cover

## Application

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

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment

## Standards

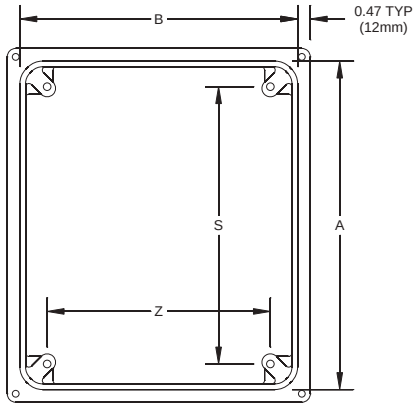
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

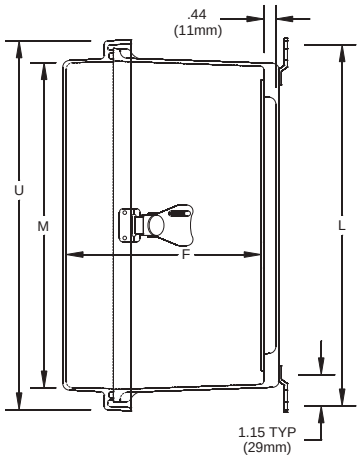
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching raised cover
- 316 stainless steel twist latches feature padlock hasp (.375" dia.)
- Continuous 316 stainless steel hinge
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting feet with 10-32 stainless steel screws included
- #10-32 threaded brass inserts for optional back panel installation
- JIC sizes
- ULTRAGUARD® fiberglass material is easily punched, drilled, or sawed
- UV stabilized for outdoor use

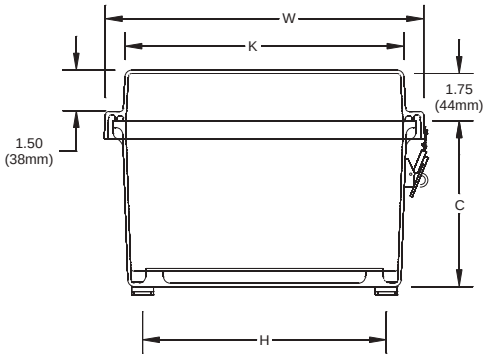
## Accessories & Modifications

- Optional back panels and hinged front panels
- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Hinge installed on short side
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening




Note: Cover removed for clarity

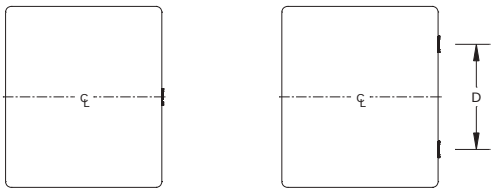



Nominal 1/8" (3mm) wall thickness

## LATCH LOCATIONS

| FOR USE ON: | FOR USE ON: | |
|---|---|---|
| 6x6x4 | 12x10x6 D=8.00 (203 mm) | 16x14x8 D=8.54 (217 mm) |
| 8x6x4 | 12x12x4,6 D=8.00 (203 mm) | 18x16x8 D=6.50 (165 mm) |
| 10x8x4,6 | 14x12x6 D=8.54 (217 mm) | 20x16x8 D=10.52 (267 mm) |




| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Panel Sizes | | | Foot Mount Centers | | Cover Size | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | H | L | K | M | U | W |
| AM664RT | 6.10 | 6.10 | 4.18 | 5.29 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 PLA66 | 5.01 | 7.32 | 6.08 | 6.08 | 7.69 | 7.69 |
| | 155mm | 155mm | 106mm | 134mm | 108mm | 108mm | 122mm | 122mm | | 127mm | 186mm | 154mm | 154mm | 195mm | 195mm |
| AM864RT | 8.00 | 6.13 | 4.14 | 5.21 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 PLA86 | 5.02 | 9.20 | 7.71 | 7.98 | 9.59 | 7.71 |
| | 203mm | 156mm | 105mm | 132mm | 159mm | 108mm | 171mm | 124mm | | 127mm | 234mm | 196mm | 203mm | 244mm | 196mm |
| AM1084RT | 10.14 | 8.26 | 4.13 | 5.21 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 8.29 | 10.16 | 11.73 | 9.90 |
| | 258mm | 210mm | 105mm | 132mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 211mm | 258mm | 299mm | 251mm |
| AM1086RT | 10.14 | 8.26 | 6.13 | 7.21 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 8.29 | 10.16 | 11.73 | 9.85 |
| | 258mm | 210mm | 156mm | 183mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 211mm | 258mm | 298mm | 250mm |
| AM1206RT | 12.14 | 10.26 | 6.13 | 7.21 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 | 9.01 | 13.19 | 10.29 | 12.16 | 13.73 | 11.85 |
| | 308mm | 261mm | 156mm | 183mm | 260mm | 210mm | 273mm | 225mm | | 229mm | 335mm | 261mm | 309mm | 349mm | 301mm |
| AM1224RT | 12.14 | 12.14 | 4.13 | 5.26 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 12.16 | 12.16 | 13.72 | 13.72 |
| | 308mm | 308mm | 105mm | 134mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 309mm | 309mm | 348mm | 348mm |
| AM1226RT | 12.14 | 12.14 | 6.13 | 7.26 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 12.16 | 12.16 | 13.72 | 13.72 |
| | 308mm | 308mm | 156mm | 184mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 309mm | 309mm | 348mm | 348mm |
| AM1426RT | 14.14 | 12.26 | 6.13 | 7.21 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 PLA142 | 11.03 | 15.19 | 12.29 | 14.16 | 15.73 | 13.85 |
| | 359mm | 312mm | 156mm | 183mm | 311mm | 260mm | 324mm | 276mm | | 280mm | 386mm | 312mm | 360mm | 399mm | 352mm |
| AM1648RT | 16.27 | 14.40 | 8.13 | 9.21 | 14.25 | 12.25 | 14.75 | 12.88 | P164 PA164 | 13.01 | 17.19 | 13.70 | 15.57 | 17.87 | 15.99 |
| | 413mm | 366mm | 207mm | 234mm | 362mm | 311mm | 375mm | 327mm | | 330mm | 437mm | 348mm | 395mm | 454mm | 406mm |
| AM1868RT | 18.40 | 16.40 | 8.13 | 9.22 | 16.25 | 14.25 | 16.88 | 14.88 | P186 PA186 | 14.97 | 19.28 | 15.70 | 17.70 | 20.00 | 18.00 |
| | 467mm | 417mm | 207mm | 234mm | 413mm | 362mm | 429mm | 378mm | | 380mm | 490mm | 399mm | 450mm | 508mm | 457mm |
| AM2068RT | 20.00 | 16.00 | 8.13 | 9.21 | 17.81 | 13.81 | 18.44 | 14.44 | P206 PA206 | 14.54 | 20.84 | 15.27 | 19.27 | 21.59 | 17.59 |
| | 508mm | 406mm | 207mm | 234mm | 452mm | 351mm | 468mm | 367mm | | 369mm | 529mm | 388mm | 489mm | 548mm | 447mm |

All dimensions are in inches unless otherwise noted
Data subject to change without notice
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AM664RT)
Additional back panels found on page 128

# AM-R Series

## JIC SIZE JUNCTION BOXES

### Cover Type

Raised Solid/Opaque

### Closure Type

Twist Latch Hinged Cover

## Application

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

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment
- Window unit provides viewing area for instrumentation or equipment

## Standards

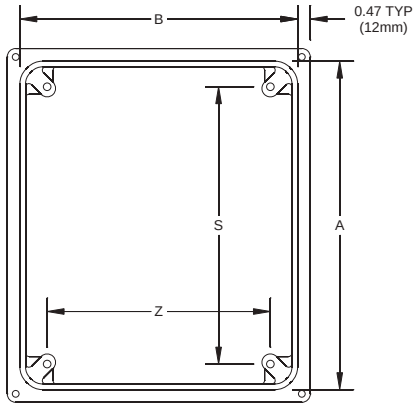
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

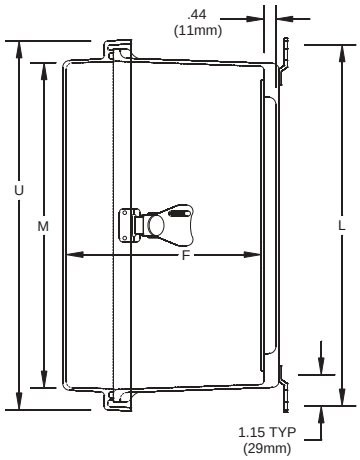
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching raised cover
- UV resistant polycarbonate viewing window
- 316 stainless steel twist latches feature padlock hasp (.375" dia.)
- Continuous 316 stainless steel hinge
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting feet with 10-32 stainless steel screws included
- #10-32 threaded brass inserts for optional back panel installation
- JIC sizes
- ULTRAGUARD® fiberglass material is easily punched, drilled, or sawed
- UV stabilized for outdoor use

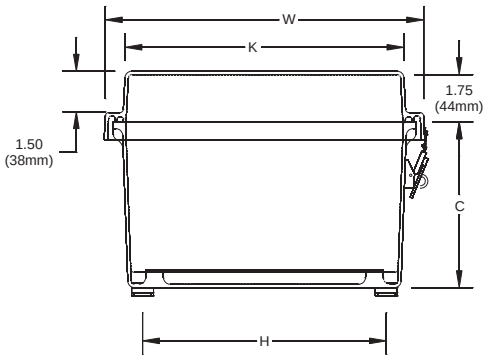
## Accessories & Modifications

- Optional back panels and hinged front panels
- Custom holes and cutouts
- Hinge installed on short side
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening




Note: Cover removed for clarity

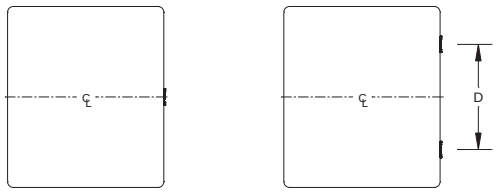



Nominal 1/8" (3mm) wall thickness

## LATCH LOCATIONS

| FOR USE ON: | FOR USE ON: | |
|---|---|---|
| 6x6x4 | 12x10x6 D=8.00 (203 mm) | 16x14x8 D=8.54 (217 mm) |
| 8x6x4 | 12x12x4,6 D=8.00 (203 mm) | 18x16x8 D=6.50 (165 mm) |
| 10x8x4,6 | 14x12x6 D=8.54 (217 mm) | 20x16x8 D=10.52 (267 mm) |




| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Panel Sizes | | | Foot Mount Centers | | Cover Size | | | | Window Dimension (Height x Width) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | H | L | K | M | U | W | |
| AM664RTW | 6.10 | 6.10 | 4.18 | 5.18 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 PLA66 | 5.01 | 7.32 | 6.08 | 6.08 | 7.69 | 7.69 | 4.25 x 4.25 |
| | 155mm | 155mm | 106mm | 131mm | 108mm | 108mm | 122mm | 122mm | | 127mm | 186mm | 154mm | 154mm | 195mm | 195mm | 108mm x 108mm |
| AM864RTW | 8.00 | 6.13 | 4.14 | 5.10 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 PLA86 | 5.02 | 9.20 | 7.71 | 7.98 | 9.59 | 7.71 | 6.25 x 4.25 |
| | 203mm | 156mm | 105mm | 130mm | 159mm | 108mm | 171mm | 124mm | | 127mm | 234mm | 196mm | 203mm | 244mm | 196mm | 159mm x 108mm |
| AM1084RTW | 10.14 | 8.26 | 4.13 | 5.10 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 8.29 | 10.16 | 11.73 | 9.90 | 8.38 x 6.50 |
| | 258mm | 210mm | 105mm | 130mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 211mm | 258mm | 299mm | 251mm | 213mm x 165mm |
| AM1086RTW | 10.14 | 8.26 | 6.13 | 7.12 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 7.01 | 11.19 | 8.29 | 10.16 | 11.73 | 9.85 | 8.38 x 6.50 |
| | 258mm | 210mm | 156mm | 181mm | 210mm | 159mm | 222mm | 175mm | | 178mm | 284mm | 211mm | 258mm | 298mm | 250mm | 213mm x 165mm |
| AM1206RTW | 12.14 | 10.26 | 6.13 | 7.10 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 | 9.01 | 13.19 | 10.29 | 12.16 | 13.73 | 11.85 | 10.38 x 8.50 |
| | 308mm | 261mm | 156mm | 180mm | 260mm | 210mm | 273mm | 225mm | | 229mm | 335mm | 261mm | 309mm | 349mm | 301mm | 264mm x 216mm |
| AM1224RTW | 12.14 | 12.14 | 4.13 | 5.15 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 12.16 | 12.16 | 13.72 | 13.72 | 10.38 x 10.38 |
| | 308mm | 308mm | 105mm | 131mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 309mm | 309mm | 348mm | 348mm | 264mm x 264mm |
| AM1226RTW | 12.14 | 12.14 | 6.13 | 7.15 | 10.25 | 10.25 | 10.75 | 10.75 | PL122 PLA122 | 11.01 | 13.32 | 12.16 | 12.16 | 13.72 | 13.72 | 10.38 x 10.38 |
| | 308mm | 308mm | 156mm | 182mm | 260mm | 260mm | 273mm | 273mm | | 280mm | 338mm | 309mm | 309mm | 348mm | 348mm | 264mm x 264mm |
| AM1426RTW | 14.14 | 12.26 | 6.13 | 7.10 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 PLA142 | 11.03 | 15.19 | 12.29 | 14.16 | 15.73 | 13.85 | 12.38 x 10.50 |
| | 359mm | 312mm | 156mm | 180mm | 311mm | 260mm | 324mm | 276mm | | 280mm | 386mm | 312mm | 360mm | 399mm | 352mm | 314mm x 267mm |
| AM1648RTW | 16.27 | 14.40 | 8.13 | 9.10 | 14.25 | 12.25 | 14.75 | 12.88 | P164 PA164 | 13.01 | 17.19 | 13.70 | 15.57 | 17.87 | 15.99 | 13.00 x 11.00 |
| | 413mm | 366mm | 207mm | 231mm | 362mm | 311mm | 375mm | 327mm | | 330mm | 437mm | 348mm | 395mm | 454mm | 406mm | 330mm x 279mm |
| AM1868RTW | 18.40 | 16.40 | 8.13 | 9.11 | 16.25 | 14.25 | 16.88 | 14.88 | P186 PA186 | 14.97 | 19.28 | 15.70 | 17.70 | 20.00 | 18.00 | 14.00 x 12.00 |
| | 467mm | 417mm | 207mm | 231mm | 413mm | 362mm | 429mm | 378mm | | 380mm | 490mm | 399mm | 450mm | 508mm | 457mm | 356mm x 305mm |
| AM2068RTW | 20.00 | 16.00 | 8.13 | 9.10 | 17.81 | 13.81 | 18.44 | 14.44 | P206 PA206 | 14.54 | 20.84 | 15.27 | 19.27 | 21.59 | 17.59 | 15.00 x 11.00 |
| | 508mm | 406mm | 207mm | 231mm | 452mm | 351mm | 468mm | 367mm | | 369mm | 529mm | 388mm | 489mm | 548mm | 447mm | 381mm x 279mm |

All dimensions are in inches unless otherwise noted
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AM664RTW)
Additional back panels found on page 128

Data subject to change without notice

# AMHD-R Series

## HEAVY DUTY
## SOLAR BATTERY BOX

### Cover Type

Raised Solid/Opaque

### Closure Type

Snap Latch Hinged Cover

## Application

Designed to insulate and house solar storage batteries for various telemetry applications in outdoor locations

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water

## Standards

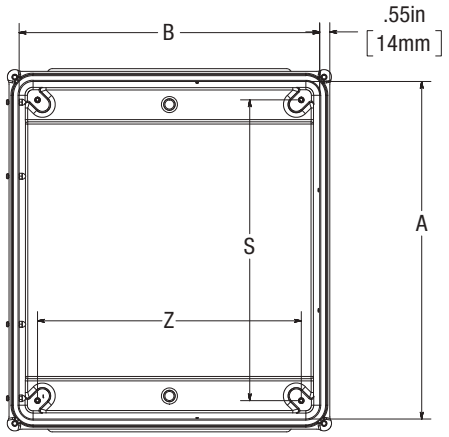
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

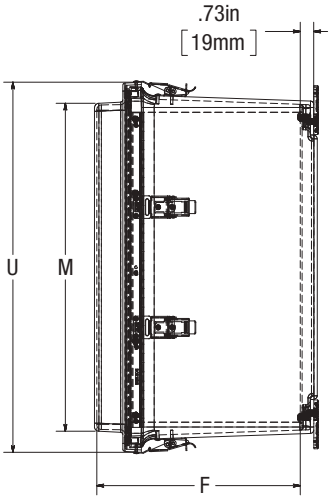
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching raised cover
- 316 stainless steel snap latches feature padlock hasp (.375" dia.)
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- Polycarbonate flanges installed with (4) 316 series stainless steel screws
- #10-32 threaded brass inserts are installed for optional back panel
- ULTRAGUARD® fiberglass material is easily punched, drilled, or sawed
- UV stabilized for outdoor use

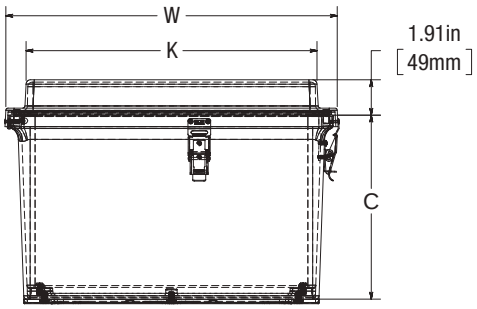
## Accessories & Modifications

- Optional back panels
- Pole mount kits available
- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening

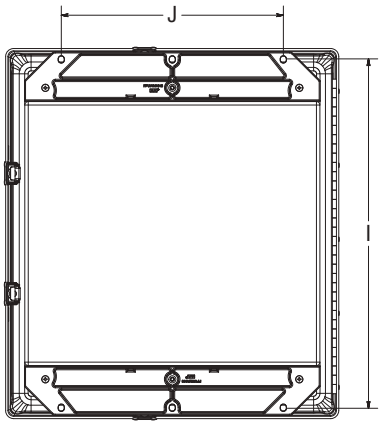



NOTE: REMOVED COVER FOR CLARITY

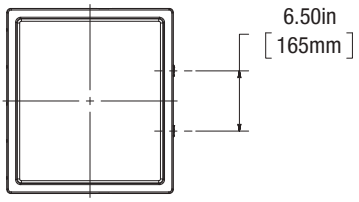



Nominal .200" (5mm) wall thickness




## LATCH LOCATIONS




| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Panel Sizes | | | Flange Mount Centers | | Cover Size | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | J | I | K | M | U | W |
| AMHD1860RLF | 18.24 | 16.24 | 10.13 | 11.01 | 16.25 | 14.25 | 16.88 | 14.88 | P186 PA186 | 12.00 | 18.88, 18.76 | 15.22 | 17.72 | 19.91 | 17.91 |
| | 463mm | 412mm | 257mm | 280mm | 413mm | 362mm | 429mm | 378mm | | 305mm | 480mm, 477mm | 387mm | 450mm | 506mm | 455mm |

All dimensions are in inches unless otherwise noted
Additional back panels found on page 128

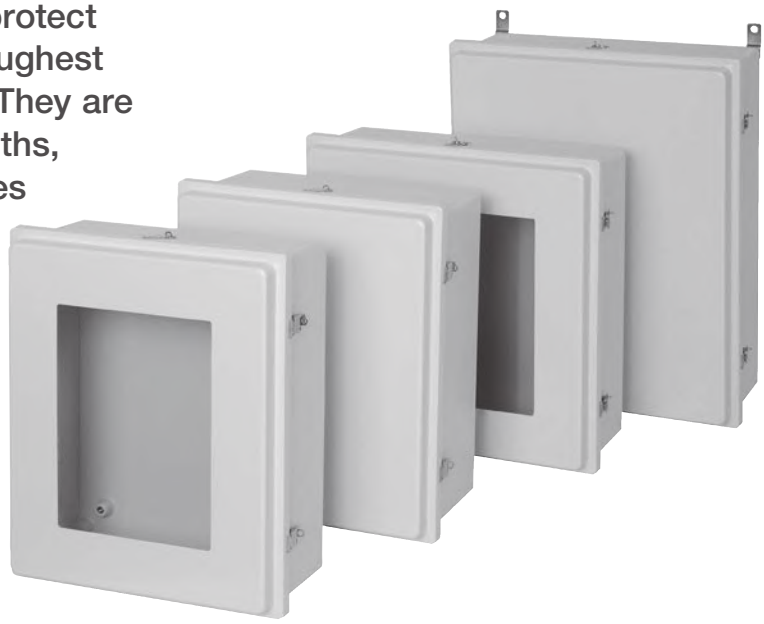
Data subject to change without notice

## CONTROL SERIES

# FIBERGLASS

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.



Scan to learn more

## 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

## FIBERGLASS ENCLOSURES

### Cover Type

Raised Solid/Opaque

### Closure Type

Snap Latch Hinged Cover

## 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

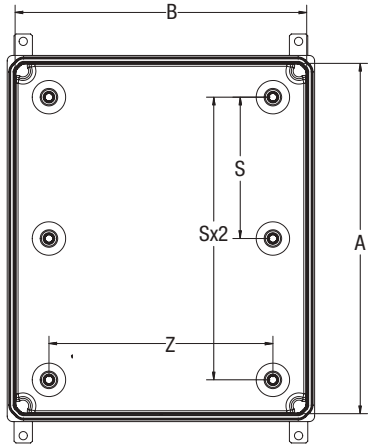
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

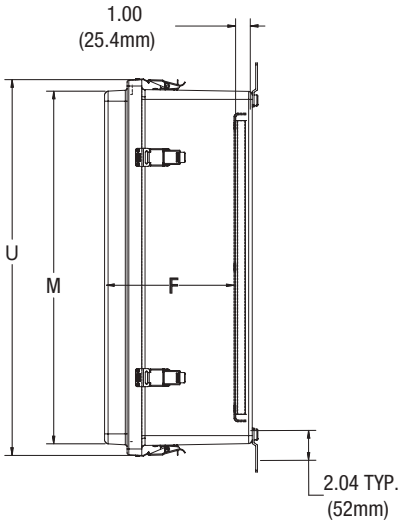
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching raised cover
- Light gray color (RAL 7035)
- 316 stainless steel snap latches feature padlock hasp (.375" dia.)
- (2) 316 stainless steel hinges
- Formed-In-Place (FIP) polyurethane gasket system encased 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

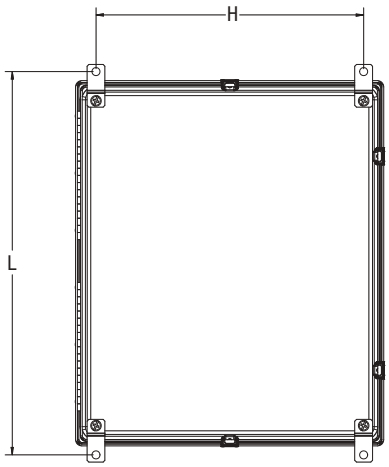
## Accessories & Modifications

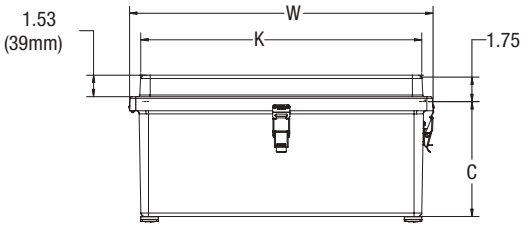
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matching
- EMI/RFI Shielding
- Factory-supplied silk screening




NOTE: COVER REMOVED FOR CLARITY

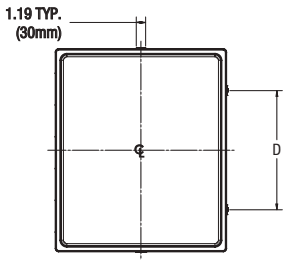



NOMINAL 1/8" (3mm) WALL THICKNESS

LATCH LOCATIONS




FOR USE ON:
24x20x8 D=15.00 (406 mm)
24x24x8 D=15.00 (406 mm)
30x24x8 D=19.98 (507 mm)

FOR USE ON:
24x20x10 D=15.00 (406 mm)
24x24x10 D=15.00 (406 mm)
30x24x10 D=19.98 (507 mm)

| Control Series Latching Options | | |
|---|---|---|
| **Base Part #** | **Part No. Suffix** | **Description** |
| See Chart Below | L | 316 Stainless Steel Snap Latch |
| | 3PT | 316 Stainless Steel 3-Point Handle |
| | QT | Basic Slotted 1/4 Turn 316 Stainless Steel |
| | *Special Order* | Basic Slotted 1/4 Turn (Keylock) 316 Stainless Steel |

Add the "Part No. Suffix" to the base part number to create a complete enclosure option. (ex AM24208RQT is a 24"x20"x8" enclosure with a basic slotted 1/4 turn latch)

*Available for special order only. | Visit our website to view and download all closure option drawings.

| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Panel Sizes | | | Foot Mount Centers | | Cover Size | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | H | L | K | M | U | W |
| AM24208R | 24.00 | 20.00 | 8.13 | 8.67 | 9.63 | 15.25 | 21.00 | 17.00 | P2420 PA2420 | 18.75 | 26.85 | 20.16 | 24.16 | 25.59 | 21.59 |
| | 610mm | 508mm | 207mm | 220mm | 244mm | 387mm | 533mm | 432mm | | 476mm | 682mm | 512mm | 614mm | 650mm | 548mm |
| AM24248R | 24.00 | 24.00 | 8.13 | 8.65 | 9.63 | 19.25 | 21.00 | 21.00 | P2424 PA2424 | 22.75 | 26.85 | 24.16 | 24.16 | 25.59 | 25.59 |
| | 610mm | 610mm | 207mm | 220mm | 244mm | 489mm | 533mm | 533mm | | 578mm | 682mm | 614mm | 614mm | 650mm | 650mm |
| AM30248R | 30.00 | 24.00 | 8.13 | 8.65 | 12.63 | 19.25 | 27.00 | 21.00 | P3024 PA3024 | 22.75 | 32.85 | 24.16 | 30.16 | 31.59 | 25.59 |
| | 762mm | 610mm | 207mm | 220mm | 321mm | 489mm | 686mm | 533mm | | 578mm | 834mm | 614mm | 766mm | 802mm | 650mm |
| AM24200R | 24.00 | 20.00 | 10.13 | 10.65 | 9.63 | 15.25 | 21.00 | 17.00 | P2420 PA2420 | 18.75 | 26.85 | 20.16 | 24.16 | 25.59 | 21.59 |
| | 610mm | 508mm | 257mm | 271mm | 244mm | 387mm | 533mm | 432mm | | 476mm | 682mm | 512mm | 614mm | 650mm | 548mm |
| AM24240R | 24.00 | 24.00 | 10.13 | 10.65 | 9.63 | 19.25 | 21.00 | 21.00 | P2424 PA2424 | 22.75 | 26.85 | 24.16 | 24.16 | 25.59 | 25.59 |
| | 610mm | 610mm | 257mm | 271mm | 244mm | 489mm | 533mm | 533mm | | 578mm | 682mm | 614mm | 614mm | 650mm | 650mm |
| AM30240R | 30.00 | 24.00 | 10.13 | 10.65 | 12.63 | 19.25 | 27.00 | 21.00 | P3024 PA3024 | 22.75 | 32.85 | 24.16 | 30.16 | 31.59 | 25.59 |
| | 762mm | 610mm | 257mm | 271mm | 321mm | 489mm | 686mm | 533mm | | 578mm | 834mm | 614mm | 766mm | 802mm | 650mm |

All dimensions are in inches unless otherwise noted
Data subject to change without notice
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AM24208RL)
Additional back panels found on page 128

# Control Series

## FIBERGLASS ENCLOSURES

### Cover Type

Raised Viewing Window

### Closure Type

Snap Latch Hinged Cover

## 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

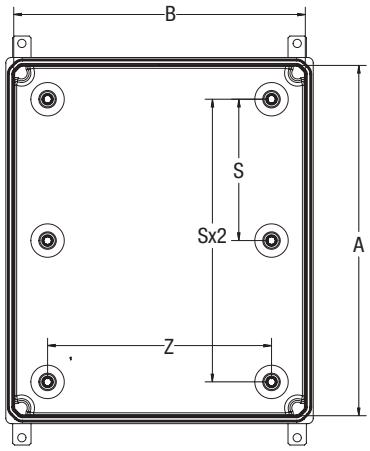
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

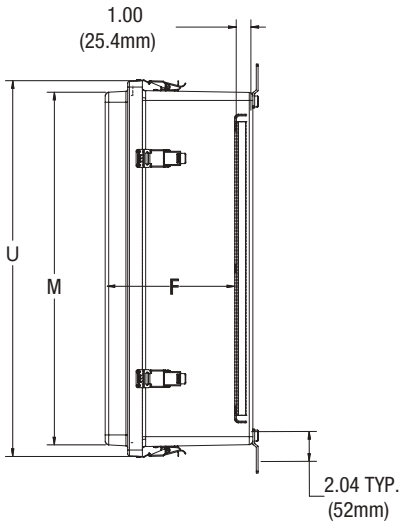
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching raised cover
- UV resistant polycarbonate viewing window
- Light gray color (RAL 7035)
- 316 stainless steel snap latches feature padlock hasp (.375" dia.)
- (2) 316 stainless steel hinges
- Formed-In-Place (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

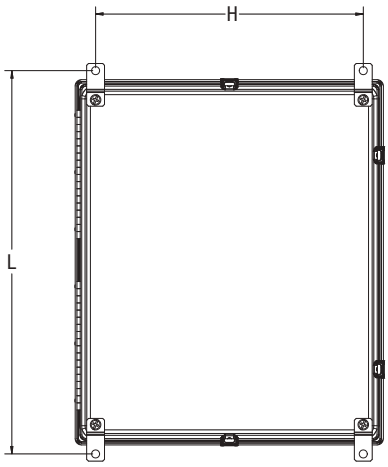
## Accessories & Modifications

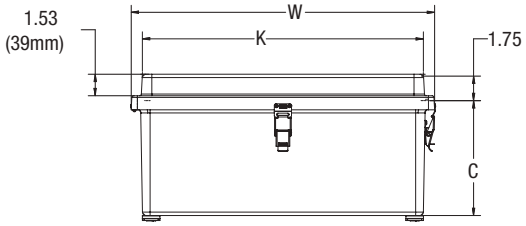
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Molded-in color matching
- EMI/RFI Shielding
- Factory-supplied silk screening




NOTE: COVER REMOVED FOR CLARITY

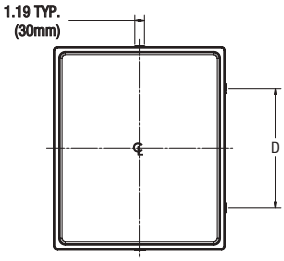



NOMINAL 1/8" (3mm) WALL THICKNESS

LATCH LOCATIONS




FOR USE ON:
24x20x8 D=15.00 (406 mm)
24x24x8 D=15.00 (406 mm)
30x24x8 D=19.98 (507 mm)

FOR USE ON:
24x20x10 D=15.00 (406 mm)
24x24x10 D=15.00 (406 mm)
30x24x10 D=19.98 (507 mm)

| Control Series Latching Options | |
|---|---|
| **Notes** | **Latching Option Description** |
| ***Available for special order only.*** Contact the manufacturer for additional details. Visit our website to view and download all closure option drawings. | 316 Stainless Steel 3-Point Handle |
| | Basic Slotted 1/4 Turn 316 Stainless Steel |
| | Basic Slotted 1/4 Turn (Keylock) 316 Stainless Steel |

| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Panel Sizes | | | Foot Mount Centers | | Cover Size | | | | Window Dimension (Height x Width) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | H | L | K | M | U | W | |
| AM24208RLW | 24.00 | 20.00 | 8.13 | 8.59 | 9.63 | 15.25 | 21.00 | 17.00 | P2420 PA2420 | 18.75 | 26.85 | 20.16 | 24.16 | 25.59 | 21.59 | 16.00 x 12.00 |
| | 610mm | 508mm | 207mm | 218mm | 244mm | 387mm | 533mm | 432mm | | 476mm | 682mm | 512mm | 614mm | 650mm | 548mm | 406mm x 305mm |
| AM24248RLW | 24.00 | 24.00 | 8.13 | 8.53 | 9.63 | 19.25 | 21.00 | 21.00 | P2424 PA2424 | 22.75 | 26.85 | 24.16 | 24.16 | 25.59 | 25.59 | 16.00 x 16.00 |
| | 610mm | 610mm | 207mm | 217mm | 244mm | 489mm | 533mm | 533mm | | 578mm | 682mm | 614mm | 614mm | 650mm | 650mm | 406mm x 406mm |
| AM30248RLW | 30.00 | 24.00 | 8.13 | 8.54 | 12.63 | 19.25 | 27.00 | 21.00 | P3024 PA3024 | 22.75 | 32.85 | 24.16 | 30.16 | 31.59 | 25.59 | 23.00 x 17.00 |
| | 762mm | 610mm | 207mm | 217mm | 321mm | 489mm | 686mm | 533mm | | 578mm | 834mm | 614mm | 766mm | 802mm | 650mm | 584mm x 432mm |
| AM24200RLW | 24.00 | 20.00 | 10.13 | 10.54 | 9.63 | 15.25 | 21.00 | 17.00 | P2420 PA2420 | 18.75 | 26.85 | 20.16 | 24.16 | 25.59 | 21.59 | 16.00 x 12.00 |
| | 610mm | 508mm | 257mm | 268mm | 244mm | 387mm | 533mm | 432mm | | 476mm | 682mm | 512mm | 614mm | 650mm | 548mm | 406mm x 305mm |
| AM24240RLW | 24.00 | 24.00 | 10.13 | 10.54 | 9.63 | 19.25 | 21.00 | 21.00 | P2424 PA2424 | 22.75 | 26.85 | 24.16 | 24.16 | 25.59 | 25.59 | 16.00 x 16.00 |
| | 610mm | 610mm | 257mm | 268mm | 244mm | 489mm | 533mm | 533mm | | 578mm | 682mm | 614mm | 614mm | 650mm | 650mm | 406mm x 406mm |
| AM30240RLW | 30.00 | 24.00 | 10.13 | 10.54 | 12.63 | 19.25 | 27.00 | 21.00 | P3024 PA3024 | 22.75 | 32.85 | 24.16 | 30.16 | 31.59 | 25.59 | 23.00 x 17.00 |
| | 762mm | 610mm | 257mm | 268mm | 321mm | 489mm | 686mm | 533mm | | 578mm | 834mm | 614mm | 766mm | 802mm | 650mm | 584mm x 432mm |

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

Data subject to change without notice

# Control Series

## FIBERGLASS ENCLOSURES

### Cover Type

Raised Solid/Opaque

### Closure Type

Twist Latch Hinged Cover

## 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

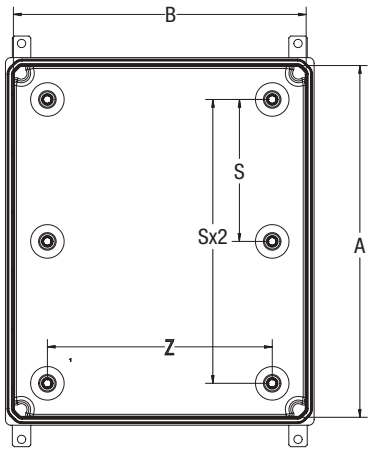
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

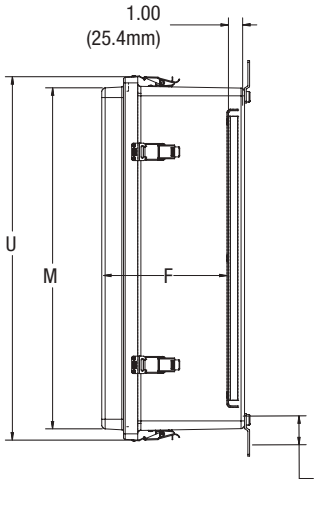
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching raised cover
- Light gray color (RAL 7035)
- 316 stainless steel twist latches feature padlock hasp (.375" dia.)
- (2) 316 stainless steel hinges
- Formed-In-Place (FIP) polyurethane gasket system encased 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

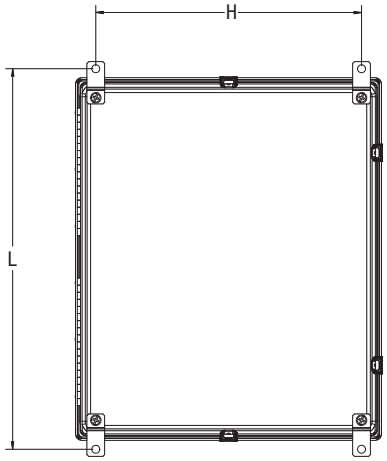
## Accessories & Modifications

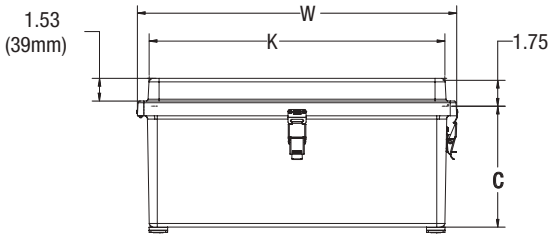
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matching
- EMI/RFI Shielding
- Factory-supplied silk screening




NOTE: COVER REMOVED FOR CLARITY

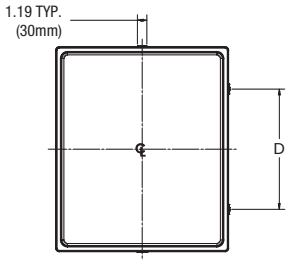



NOMINAL 1/8" (3mm) WALL THICKNESS

LATCH LOCATIONS




FOR USE ON:
24x20x8 D=15.00 (406 mm)
24x24x8 D=15.00 (406 mm)
30x24x8 D=19.98 (507 mm)

FOR USE ON:
24x20x10 D=15.00 (406 mm)
24x24x10 D=15.00 (406 mm)
30x24x10 D=19.98 (507 mm)

| Control Series Latching Options | | |
|---|---|---|
| **Base Part #** | **Part No. Suffix** | **Description** |
| See Chart Below | T | 316 Stainless Steel Twist Latch |
| | 3PT | 316 Stainless Steel 3-Point Handle |
| | QT | Basic Slotted 1/4 Turn 316 Stainless Steel |
| | *Special Order* | Basic Slotted 1/4 Turn (Keylock) 316 Stainless Steel |

Add the "Part No. Suffix" to the base part number to create a complete enclosure option. (ex AM24208RQT is a 24"x20"x8" enclosure with a basic slotted 1/4 turn latch)

*Available for special order only. | Visit our website to view and download all closure option drawings.

| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Panel Sizes | | | Foot Mount Centers | | Cover Size | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | H | L | K | M | U | W |
| AM24208R | 24.00 | 20.00 | 8.13 | 8.67 | 9.63 | 15.25 | 21.00 | 17.00 | P2420 PA2420 | 18.75 | 26.85 | 20.16 | 24.16 | 25.59 | 21.59 |
| | 610mm | 508mm | 207mm | 220mm | 244mm | 387mm | 533mm | 432mm | | 476mm | 682mm | 512mm | 614mm | 650mm | 548mm |
| AM24248R | 24.00 | 24.00 | 8.13 | 8.65 | 9.63 | 19.25 | 21.00 | 21.00 | P2424 PA2424 | 22.75 | 26.85 | 24.16 | 24.16 | 25.59 | 25.59 |
| | 610mm | 610mm | 207mm | 220mm | 244mm | 489mm | 533mm | 533mm | | 578mm | 682mm | 614mm | 614mm | 650mm | 650mm |
| AM30248R | 30.00 | 24.00 | 8.13 | 8.65 | 12.63 | 19.25 | 27.00 | 21.00 | P3024 PA3024 | 22.75 | 32.85 | 24.16 | 30.16 | 31.59 | 25.59 |
| | 762mm | 610mm | 207mm | 220mm | 321mm | 489mm | 686mm | 533mm | | 578mm | 834mm | 614mm | 766mm | 802mm | 650mm |
| AM24200R | 24.00 | 20.00 | 10.13 | 10.65 | 9.63 | 15.25 | 21.00 | 17.00 | P2420 PA2420 | 18.75 | 26.85 | 20.16 | 24.16 | 25.59 | 21.59 |
| | 610mm | 508mm | 257mm | 271mm | 244mm | 387mm | 533mm | 432mm | | 476mm | 682mm | 512mm | 614mm | 650mm | 548mm |
| AM24240R | 24.00 | 24.00 | 10.13 | 10.65 | 9.63 | 19.25 | 21.00 | 21.00 | P2424 PA2424 | 22.75 | 26.85 | 24.16 | 24.16 | 25.59 | 25.59 |
| | 610mm | 610mm | 257mm | 271mm | 244mm | 489mm | 533mm | 533mm | | 578mm | 682mm | 614mm | 614mm | 650mm | 650mm |
| AM30240R | 30.00 | 24.00 | 10.13 | 10.65 | 12.63 | 19.25 | 27.00 | 21.00 | P3024 PA3024 | 22.75 | 32.85 | 24.16 | 30.16 | 31.59 | 25.59 |
| | 762mm | 610mm | 257mm | 271mm | 321mm | 489mm | 686mm | 533mm | | 578mm | 834mm | 614mm | 766mm | 802mm | 650mm |

All dimensions are in inches unless otherwise noted
Data subject to change without notice
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AM24208RT)
Additional back panels found on page 128

# Control Series

## FIBERGLASS ENCLOSURES

### Cover Type

Raised Viewing Window

### Closure Type

Twist Latch Hinged Cover

## 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

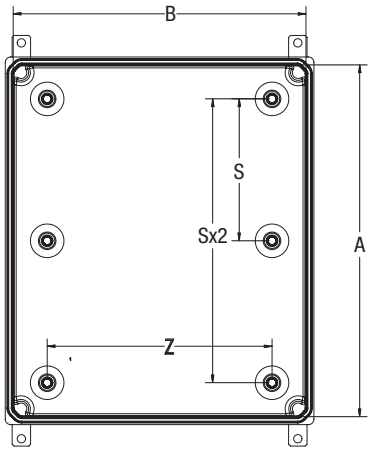
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

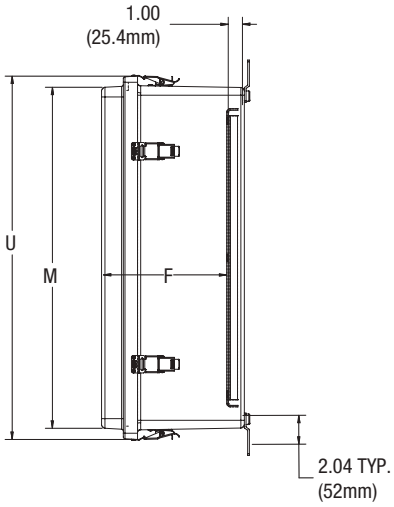
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching raised cover
- UV resistant polycarbonate viewing window
- Light gray color (RAL 7035)
- 316 stainless steel twist latches feature padlock hasp (.375" dia.)
- (2) 316 stainless steel hinges
- Formed-In-Place (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

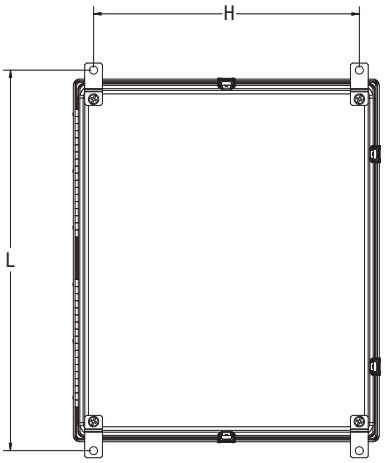
## Accessories & Modifications

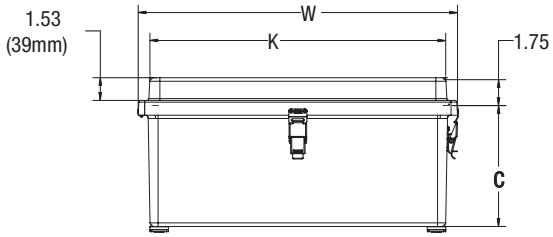
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Molded-in color matching
- EMI/RFI Shielding
- Factory-supplied silk screening




NOTE: COVER REMOVED FOR CLARITY

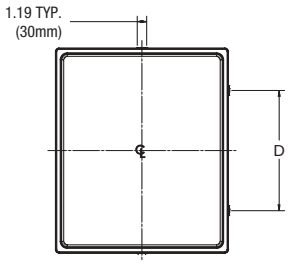



NOMINAL 1/8" (3mm) WALL THICKNESS

LATCH LOCATIONS




FOR USE ON:
24x20x8 D=15.00 (406 mm)
24x24x8 D=15.00 (406 mm)
30x24x8 D=19.98 (507 mm)

FOR USE ON:
24x20x10 D=15.00 (406 mm)
24x24x10 D=15.00 (406 mm)
30x24x10 D=19.98 (507 mm)

| Control Series Latching Options | |
|---|---|
| **Notes** | **Latching Option Description** |
| ***Available for special order only.*** Contact the manufacturer for additional details. Visit our website to view and download all closure option drawings. | 316 Stainless Steel 3-Point Handle |
| | Basic Slotted 1/4 Turn 316 Stainless Steel |
| | Basic Slotted 1/4 Turn (Keylock) 316 Stainless Steel |

| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Panel Sizes | | | Foot Mount Centers | | Cover Size | | | | Window Dimension (Height x Width) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | H | L | K | M | U | W | |
| AM24208RTW | 24.00 | 20.00 | 8.13 | 8.59 | 9.63 | 15.25 | 21.00 | 17.00 | P2420 PA2420 | 18.75 | 26.85 | 20.16 | 24.16 | 25.59 | 21.59 | 16.00 x 12.00 |
| | 610mm | 508mm | 207mm | 218mm | 244mm | 387mm | 533mm | 432mm | | 476mm | 682mm | 512mm | 614mm | 650mm | 548mm | 406mm x 305mm |
| AM24248RTW | 24.00 | 24.00 | 8.13 | 8.53 | 9.63 | 19.25 | 21.00 | 21.00 | P2424 PA2424 | 22.75 | 26.85 | 24.16 | 24.16 | 25.59 | 25.59 | 16.00 x 16.00 |
| | 610mm | 610mm | 207mm | 217mm | 244mm | 489mm | 533mm | 533mm | | 578mm | 682mm | 614mm | 614mm | 650mm | 650mm | 406mm x 406mm |
| AM30248RTW | 30.00 | 24.00 | 8.13 | 8.54 | 12.63 | 19.25 | 27.00 | 21.00 | P3024 PA3024 | 22.75 | 32.85 | 24.16 | 30.16 | 31.59 | 25.59 | 23.00 x 17.00 |
| | 762mm | 610mm | 207mm | 217mm | 321mm | 489mm | 686mm | 533mm | | 578mm | 834mm | 614mm | 766mm | 802mm | 650mm | 584mm x 432mm |
| AM24200RTW | 24.00 | 20.00 | 10.13 | 10.54 | 9.63 | 15.25 | 21.00 | 17.00 | P2420 PA2420 | 18.75 | 26.85 | 20.16 | 24.16 | 25.59 | 21.59 | 16.00 x 12.00 |
| | 610mm | 508mm | 257mm | 268mm | 244mm | 387mm | 533mm | 432mm | | 476mm | 682mm | 512mm | 614mm | 650mm | 548mm | 406mm x 305mm |
| AM24240RTW | 24.00 | 24.00 | 10.13 | 10.54 | 9.63 | 19.25 | 21.00 | 21.00 | P2424 PA2424 | 22.75 | 26.85 | 24.16 | 24.16 | 25.59 | 25.59 | 16.00 x 16.00 |
| | 610mm | 610mm | 257mm | 268mm | 244mm | 489mm | 533mm | 533mm | | 578mm | 682mm | 614mm | 614mm | 650mm | 650mm | 406mm x 406mm |
| AM30240RTW | 30.00 | 24.00 | 10.13 | 10.54 | 12.63 | 19.25 | 27.00 | 21.00 | P3024 PA3024 | 22.75 | 32.85 | 24.16 | 30.16 | 31.59 | 25.59 | 23.00 x 17.00 |
| | 762mm | 610mm | 257mm | 268mm | 321mm | 489mm | 686mm | 533mm | | 578mm | 834mm | 614mm | 766mm | 802mm | 650mm | 584mm x 432mm |

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

Data subject to change without notice

# Control XL Series

## FIBERGLASS ENCLOSURES

### Cover Type

Solid/Opaque

### Closure Type

3-Point Latching Handle

## Application

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

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil, and water
- For use with industrial control equipment

## Standards

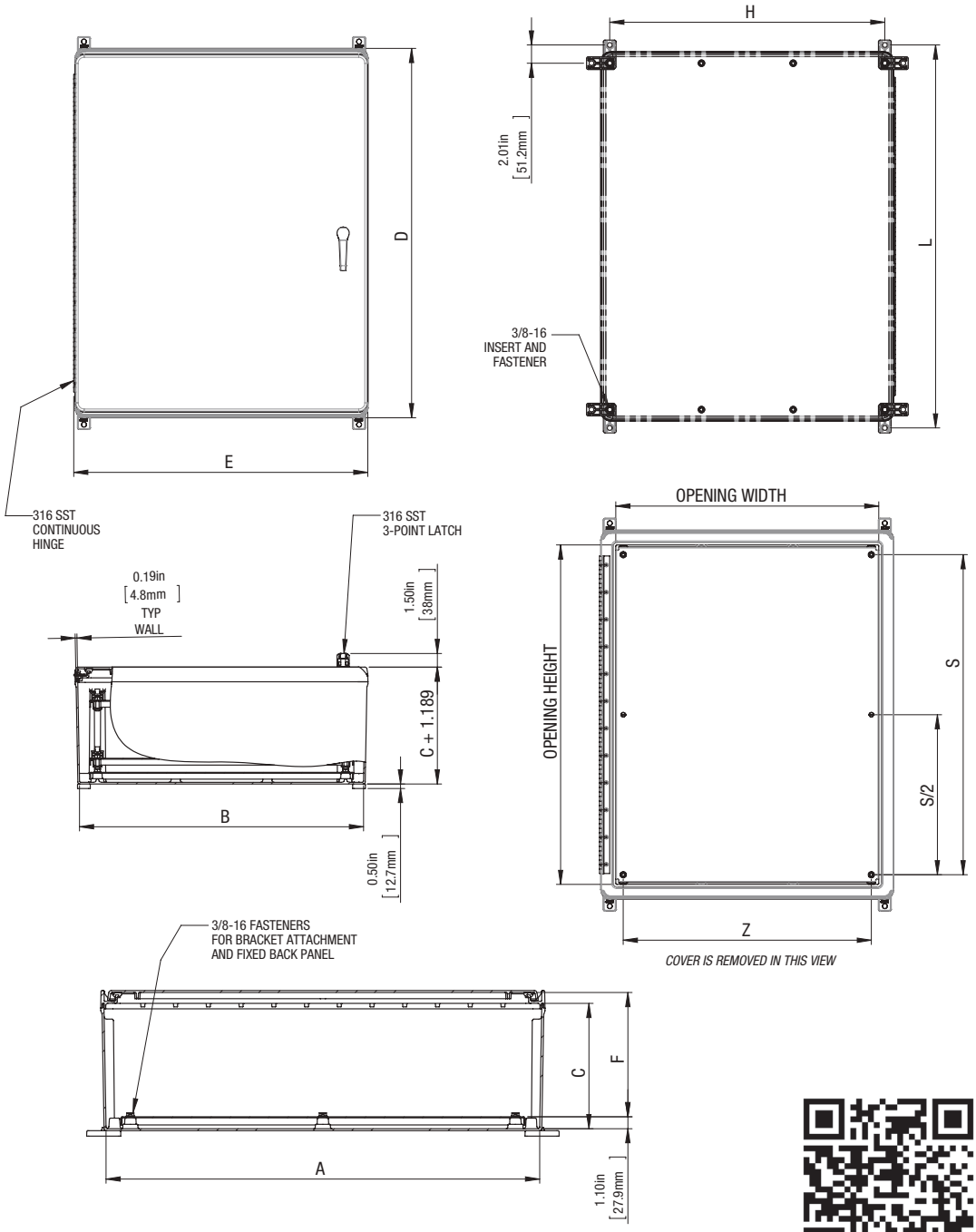
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

- Compression molded cover and two piece box from ULTRAGUARD® material in standard light gray RAL 7035 color
- 316 stainless steel 3-point latching handle with padlock provision
- Formed-In-Place (FIP) polyurethane gasket system provides sealing means to meet IP66/NEMA 4X rating
- Rain guard is molded into enclosure box frame top and bottom for additional protection
- Can easily be reconfigured for RH or LH door opening operation
- Mounting feet are compression molded in fiberglass material with 316 stainless steel mounting screws included
- Brass inserts are installed for mounting feet; feet can be rotated 90° for alternate mounting configurations
- Heavy duty continuous 316 stainless steel hinge

## Accessories & Modifications

- Optional back panels and hinged front panels
- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Factory-supplied silk screening




Panel adjustment; (K) 6.38" (162mm)

Scan to learn more

| Part No. | Box Size | | | Overall Box Size | | Usable Depth | Foot Mount Centers | | Panel Mount Centers | | Enclosure Opening | | Panel Sizes | | | Maximum Window Size | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | D | E | F | H | L | S | Z | Ht. | Wid. | Ht. | Wid. | P/N | Ht. | Wid. |
| AMXL403212L3PT | 39.73 | 31.23 | 11.50 | 40.17 | 32.34 | 11.41 | 42.21 | 30.25 | 35.28 | 27.28 | 37.42 | 28.92 | 37.00 | 29.00 | P4032 PA4032 | - | - |
| | 1009mm | 793mm | 292mm | 1035mm | 822mm | 290mm | 1072mm | 970mm | 896mm | 293mm | 951mm | 735mm | 940mm | 737mm | | - | - |

All dimensions are in inches unless otherwise noted
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMXL403212L3PT)
Additional hardware kit available for adjustable back panel option (AMADJUST-CXL)

Data subject to change without notice

## EMPIRE SERIES

# FIBERGLASS

Allied Moulded Empire series wall mount enclosures may be used where contractors are looking for an enclosure that is lighter in weight for easier installation and simple-to-access cabinet doors for easier service capability. Units feature optional 3-point latching cabinet doors or twist latches for convenience.

Designed for large cabinet installations for major industrial and communication applications, our freestanding Empire series cabinets are available in single and double door sizes, and feature a lockable 3-point latching door handle system, while maintaining a NEMA 4X rating.

Scan to learn more

## Empire Series Features & Benefits

- Gel coat fiberglass reinforced polyester (FRP) material construction for durability
- Continuous 316 stainless steel hinge
- Flexible, self-gripping gasket compresses over flange for tight seal
- Wall mount units come with two latching options to meet NEMA Type 4X requirements:
  - 316 stainless steel twist latches with padlock hasp
  - Padlockable 3-point latching handles
- Freestanding units have padlockable 3-point latching handles which meet NEMA Type 4X requirements

## Empire Series Specifications

- Non-corrosive
- Non-conductive
- Standard RAL 7035 light gray color
- Lightweight vs. stainless steel
- Temperature-resistant
- Fire-resistant
- Rated NEMA 1, 4, and 4X
- UL® listed
- CSA certified
- Compliant with RoHS directive

## Accessories

- Optional white painted carbon steel back 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
- Custom size polycarbonate viewing windows
- Molded-in color matches
- EMI/RFI shielding
- Factory-supplied silk screening
- Mounting strut

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

**www.alliedmoulded.com**

# Empire Series

## WALL MOUNT ENCLOSURES

### Cover Type

Solid/Opaque

### Closure Type

Twist Latch Hinged Cover

## 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

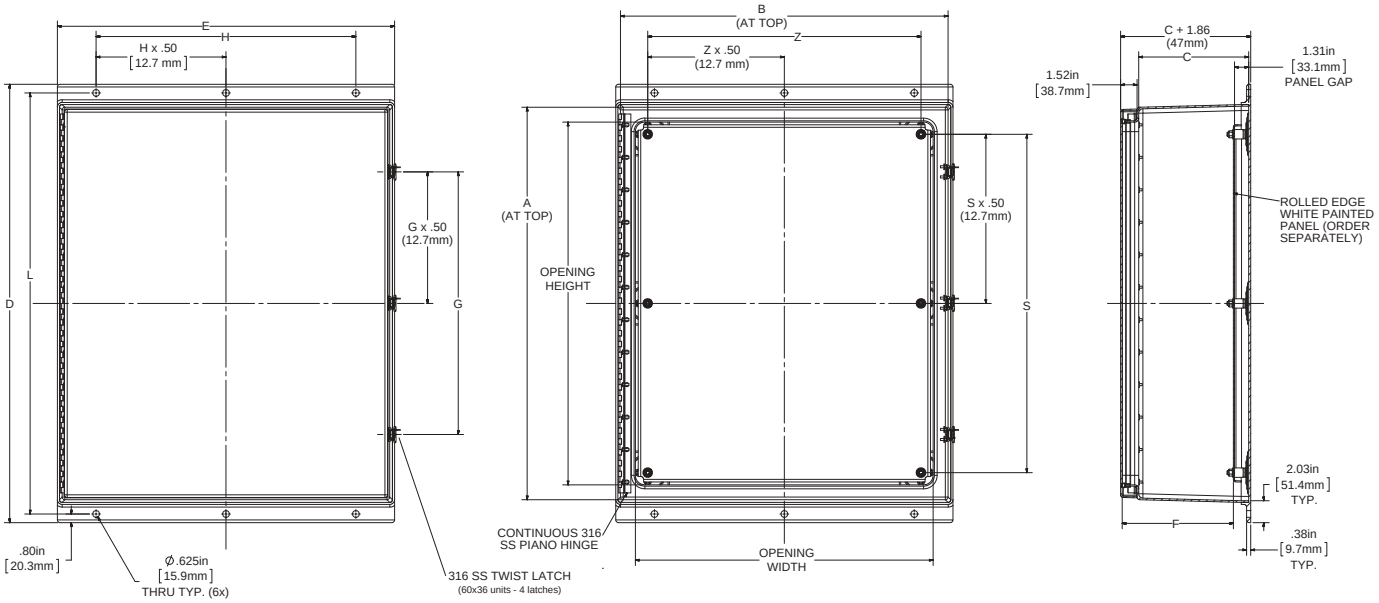
- UL 50 and UL 50E Types 1, 4, and 4X
- CSA C22.2 No. 94 Types 1, 4, and 4X
- Complies with:
  - NEMA Types 1, 4, and 4X
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

- Durable, corrosion resistant gel-coat fiberglass material construction
- Resin Transfer Molded (RTM) doors and box construction
- Molded-in mounting flanges
- Soft, self-gripping EPDM gasket, compresses over flange for tight seal
- 316 stainless steel twist latches with padlock hasp (.375" dia.)
- Heavy-duty continuous 316 stainless steel hinge
- Fiberglass material has UV inhibitors which provide idea protection from outdoor weathering

## Accessories & Modifications

- Optional painted carbon steel back panels
- Custom size polycarbonate viewing windows
- HMI cover kits
- Inspection windows
- Optional print pocket




FRONT VIEW WITH COVER

FRONT VIEW WITH COVER REMOVED

SIDE CROSS SECTION VIEW

NOM. .150 (3.8 mm) WALL THICKNESS

## LATCH LOCATIONS

| FOR USE ON | FOR USE ON |
|---|---|
| 36x30x16 G=24.26 (616.2mm) | 48x36x12 G=36.26 (921mm) |
| 36x36x12 G=24.26 (616.2mm) | 48x36x16 G=36.26 (921mm) |
| 36x36x16 G=24.26 (616.2mm) | 60x36x12 G=48.26 (1225.80mm) |
| | 60x36x16 G=48.26 (1225.80mm) |

| Part No. | Box Size At Top | | | Overall Box Dimensions | | Usable Depth | Flange Mount | | Opening | | Panel Studs | | | Panel Size | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | D | E | F | H | L | Ht. | Wid. | Studs | S | Z | Ht. | Wid. | P/N |
| AM363016L | 36.05 | 30.05 | 14.16 | 40.50 | 31.15 | 14.27 | 24.00 | 38.90 | 33.51 | 27.51 | 6 | 31.26 | 25.25 | 33.00 | 27.00 | P3630CS |
| | 916mm | 763mm | 360mm | 1,029mm | 791mm | 362mm | 610mm | 988mm | 851mm | 699mm | | 794mm | 641mm | 838mm | 686mm | |
| AM363612L | 36.25 | 36.25 | 10.16 | 40.50 | 37.15 | 10.27 | 30.00 | 38.90 | 33.51 | 33.51 | 8 | 31.26 | 31.26 | 33.00 | 33.00 | P3636CS |
| | 921mm | 921mm | 258mm | 1,029mm | 944mm | 261mm | 762mm | 988mm | 851mm | 851mm | | 794mm | 794mm | 838mm | 838mm | |
| AM363616L | 36.05 | 36.05 | 14.16 | 40.50 | 37.15 | 14.27 | 30.00 | 38.90 | 33.51 | 33.51 | 8 | 31.26 | 31.26 | 33.00 | 33.00 | P3636CS |
| | 916mm | 916mm | 360mm | 1,029mm | 944mm | 362mm | 762mm | 988mm | 851mm | 851mm | | 794mm | 794mm | 838mm | 838mm | |
| AM483612L | 48.25 | 36.25 | 10.16 | 52.50 | 37.15 | 10.27 | 30.00 | 50.90 | 45.51 | 33.51 | 8 | 43.26 | 31.26 | 45.00 | 33.00 | P4836CS |
| | 1,226mm | 921mm | 258mm | 1,334mm | 944mm | 261mm | 762mm | 1,293mm | 1,156mm | 851mm | | 1,099mm | 794mm | 1,143mm | 838mm | |
| AM483616L | 48.05 | 36.05 | 14.16 | 52.50 | 37.15 | 14.27 | 30.00 | 50.90 | 45.51 | 33.51 | 8 | 43.26 | 31.26 | 45.00 | 33.00 | P4836CS |
| | 1,220mm | 916mm | 360mm | 1,334mm | 944mm | 362mm | 762mm | 1,293mm | 1,156mm | 851mm | | 1,099mm | 794mm | 1,143mm | 838mm | |
| AM603612L | 60.25 | 36.25 | 10.16 | 64.50 | 37.15 | 10.27 | 30.00 | 62.90 | 57.51 | 33.51 | 8 | 55.26 | 31.26 | 57.00 | 33.00 | P6036CS |
| | 1,530mm | 921mm | 258mm | 1,638mm | 944mm | 261mm | 762mm | 1,598mm | 1,461mm | 851mm | | 1,404mm | 794mm | 1,448mm | 838mm | |
| AM603616L | 60.05 | 36.05 | 14.16 | 64.50 | 37.15 | 14.27 | 30.00 | 62.90 | 57.51 | 33.51 | 8 | 55.26 | 31.26 | 57.00 | 33.00 | P6036CS |
| | 1,525mm | 915mm | 360mm | 1,638mm | 944mm | 362mm | 762mm | 1,598mm | 1,461mm | 851mm | | 1,404mm | 794mm | 1,448mm | 838mm | |

All dimensions are in inches unless otherwise noted

Data subject to change without notice

# Empire Series

## WALL MOUNT ENCLOSURES

### Cover Type

Solid/Opaque

### Closure Type

3-Point Latch Hinged Cover

## 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

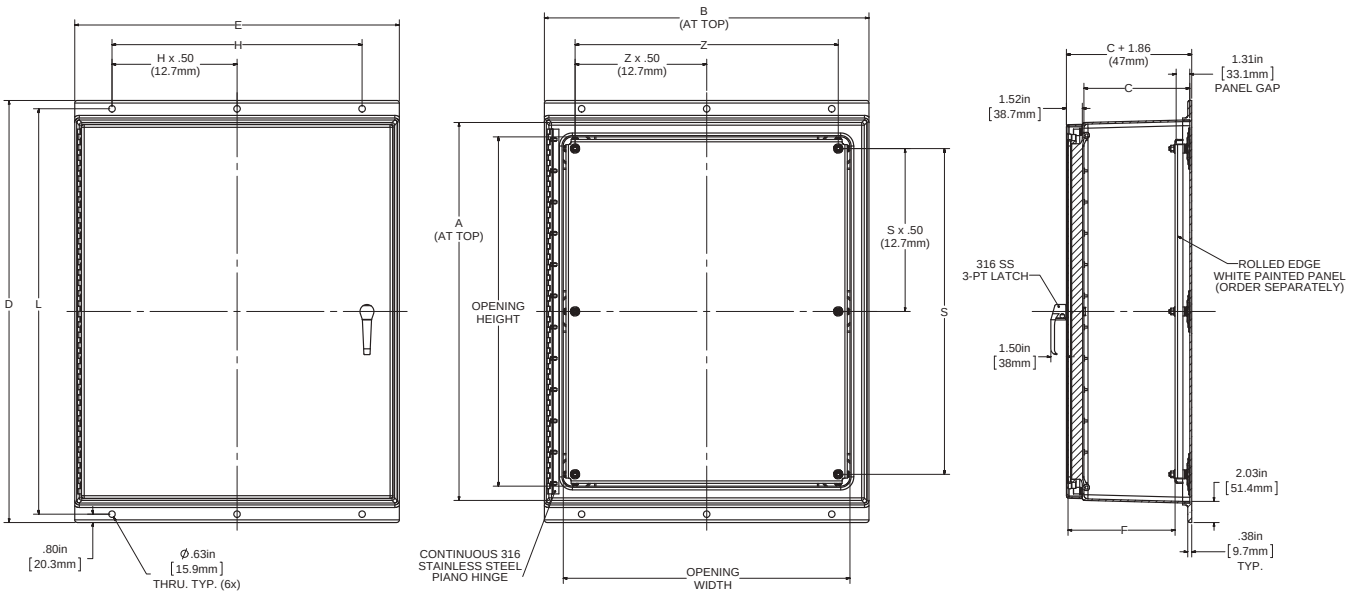
- UL 50 and UL 50E Types 1, 4, and 4X
- CSA C22.2 No. 94 Types 1, 4, and 4X
- Complies with:
  - NEMA Types 1, 4, and 4X
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

- Durable, corrosion resistant gel-coat fiberglass material construction
- Resin Transfer Molded (RTM) doors and box construction
- Molded-in mounting flanges
- Soft, self-gripping EPDM gasket, compresses over flange for tight seal
- 316 stainless steel 3-point latching handle with padlock provision
- Heavy-duty continuous 316 stainless steel hinge
- Fiberglass material has UV inhibitors which provide idea protection from outdoor weathering

## Accessories & Modifications

- Optional painted carbon steel back panels
- Custom size polycarbonate viewing windows
- HMI cover kits
- Inspection windows
- Optional print pocket




FRONT VIEW WITH COVER

FRONT VIEW WITH COVER REMOVED

SIDE VIEW

NOM. .150 (3.8mm) WALL THICKNESS

| Part No. | Box Size At Top | | | Overall Box Dimensions | | Usable Depth | Flange Mount | | Opening | | Panel Studs | | | Panel Size | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | D | E | F | H | L | Ht. | Wid. | Studs | S | Z | Ht. | Wid. | P/N |
| AM363016L3PT | 36.05 | 30.05 | 14.16 | 40.50 | 31.15 | 14.27 | 24.00 | 38.90 | 33.51 | 27.51 | 6 | 31.26 | 25.25 | 33.00 | 27.00 | P3630CS |
| | 916mm | 763mm | 360mm | 1,029mm | 791mm | 362mm | 610mm | 988mm | 851mm | 699mm | | 794mm | 641mm | 838mm | 686mm | |
| AM363612L3PT | 36.25 | 36.25 | 10.16 | 40.50 | 37.15 | 10.27 | 30.00 | 38.90 | 33.51 | 33.51 | 8 | 31.26 | 31.26 | 33.00 | 33.00 | P3636CS |
| | 921mm | 921mm | 258mm | 1,029mm | 944mm | 261mm | 762mm | 988mm | 851mm | 851mm | | 794mm | 794mm | 838mm | 838mm | |
| AM363616L3PT | 36.05 | 36.05 | 14.16 | 40.50 | 37.15 | 14.27 | 30.00 | 38.90 | 33.51 | 33.51 | 8 | 31.26 | 31.26 | 33.00 | 33.00 | P3636CS |
| | 916mm | 916mm | 360mm | 1,029mm | 944mm | 362mm | 762mm | 988mm | 851mm | 851mm | | 794mm | 794mm | 838mm | 838mm | |
| AM483612L3PT | 48.25 | 36.25 | 10.16 | 52.50 | 37.15 | 10.27 | 30.00 | 50.90 | 45.51 | 33.51 | 8 | 43.26 | 31.26 | 45.00 | 33.00 | P4836CS |
| | 1,226mm | 921mm | 258mm | 1,334mm | 944mm | 261mm | 762mm | 1,293mm | 1,156mm | 851mm | | 1,099mm | 794mm | 1,143mm | 838mm | |
| AM483616L3PT | 48.05 | 36.05 | 14.16 | 52.50 | 37.15 | 14.27 | 30.00 | 50.90 | 45.51 | 33.51 | 8 | 43.26 | 31.26 | 45.00 | 33.00 | P4836CS |
| | 1,220mm | 916mm | 360mm | 1,334mm | 944mm | 362mm | 762mm | 1,293mm | 1,156mm | 851mm | | 1,099mm | 794mm | 1,143mm | 838mm | |
| AM603612L3PT | 60.25 | 36.25 | 10.16 | 64.50 | 37.15 | 10.27 | 30.00 | 62.90 | 57.51 | 33.51 | 8 | 55.26 | 31.26 | 57.00 | 33.00 | P6036CS |
| | 1,530mm | 921mm | 258mm | 1,638mm | 944mm | 261mm | 762mm | 1,598mm | 1,461mm | 851mm | | 1,404mm | 794mm | 1,448mm | 838mm | |
| AM603616L3PT | 60.05 | 36.05 | 14.16 | 64.50 | 37.15 | 14.27 | 30.00 | 62.90 | 57.51 | 33.51 | 8 | 55.26 | 31.26 | 57.00 | 33.00 | P6036CS |
| | 1,525mm | 915mm | 360mm | 1,638mm | 944mm | 362mm | 762mm | 1,598mm | 1,461mm | 851mm | | 1,404mm | 794mm | 1,448mm | 838mm | |

All dimensions are in inches unless otherwise noted

Data subject to change without notice

# Empire Series

## WALL MOUNT ENCLOSURES

### Cover Type

Solid/Opaque / Viewing Window

### Closure Type

Twist Latch Hinged Cover
3-Point Latch Hinged Cover

## 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

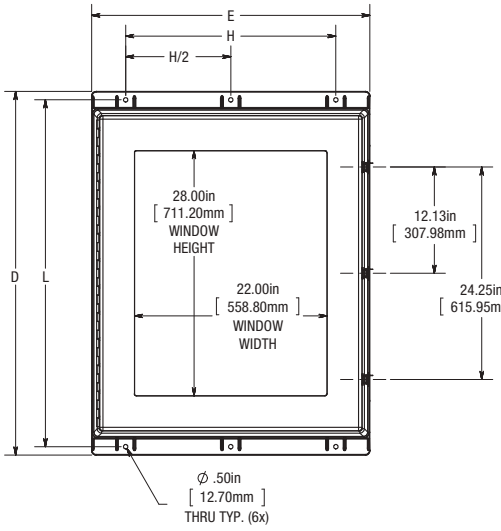
**Scan to learn more**

## Construction

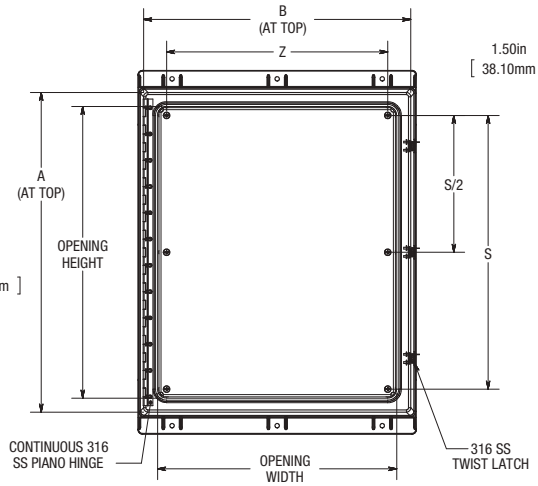
- Compression-molded cover and two piece box from ULTRAGUARD® material in standard light gray RAL 7035 color
- Optional 316 stainless steel twist latches (T) or 316 stainless steel 3-point latching handle (3PT)
- Formed-In-Place (FIP) polyurethane gasket system provides sealing means to meet IP66/NEMA 4X rating
- Integral mounting flange is compression molded in fiberglass material
- 3/8-16 threaded brass inserts are molded in for optional back panel
- 3/8-6 x .75 combo head, carbon steel plated screws are included with each enclosure for use with the optional back panel
- Heavy-duty, continuous 316 stainless steel hinge
- Optional UV-resistant polycarbonate viewing window (W)

## Accessories & Modifications

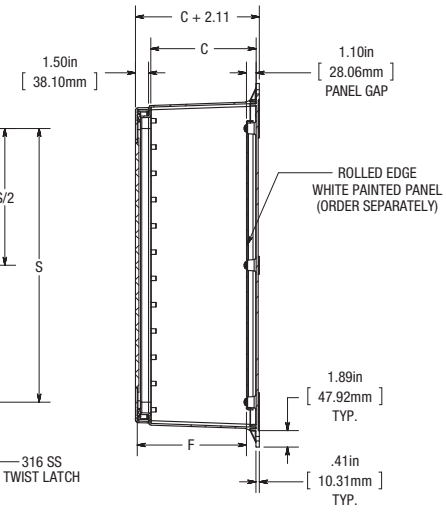
- Optional painted carbon steel back panels
- Custom size polycarbonate viewing windows
- HMI cover kits
- Inspection windows
- Optional print pocket



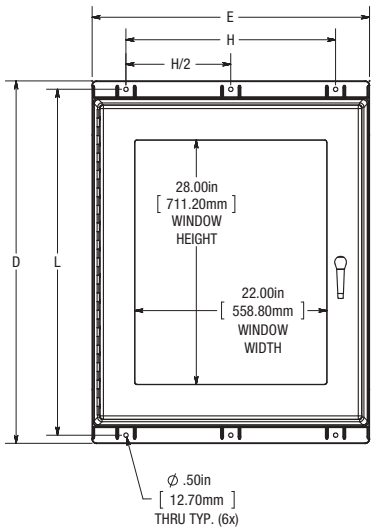

FRONT VIEW WITH COVER AND WINDOW OPTION



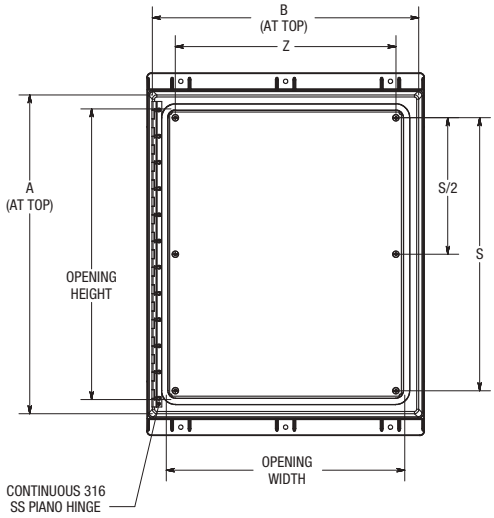

FRONT VIEW WITH COVER REMOVED



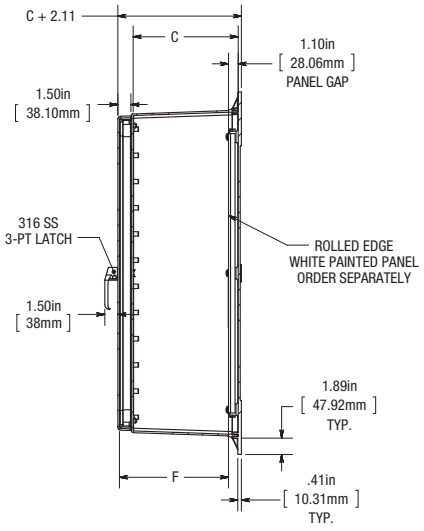

SIDE CROSS SECTION VIEW




FRONT VIEW WITH COVER REMOVED AND WINDOW OPTION




FRONT VIEW WITH COVER REMOVED




SIDE CROSS SECTION VIEW

## Solid/Opaque

| Part No. | Box Size At Top | | | Overall Box Dimensions | | Usable Depth | Flange Mount | | Opening | | Panel Studs | | | Panel Size | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | D | E | F | H | L | Ht. | Wid. | Studs | S | Z | Ht. | Wid. | P/N |
| AMEC363012T<br>AMEC3630123PT | 36.50 | 30.50 | 12.03 | 41.50 | 31.76 | 12.48 | 24.00 | 39.60 | 33.30 | 27.30 | 6 | 31.25 | 25.25 | 33.00 | 27.00 | P3630CS |
| | 927mm | 775mm | 306mm | 1054mm | 807mm | 317mm | 610mm | 1006mm | 846mm | 693mm | | 794mm | 641mm | 838mm | 686mm | |

All dimensions are in inches unless otherwise noted

Data subject to change without notice

## Viewing Window

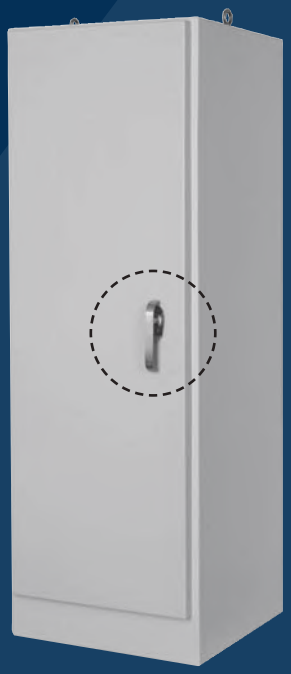
| Part No. | Box Size At Top | | | Overall Box Dimensions | | Usable Depth | Flange Mount | | Opening | | Panel Studs | | | Panel Size | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | D | E | F | H | L | Ht. | Wid. | Studs | S | Z | Ht. | Wid. | P/N |
| AMEC363012TW<br>AMEC3630123PTW | 36.50 | 30.50 | 12.03 | 41.50 | 31.76 | 12.48 | 24.00 | 39.60 | 33.30 | 27.30 | 6 | 31.25 | 25.25 | 33.00 | 27.00 | P3630CS |
| | 927mm | 775mm | 306mm | 1054mm | 807mm | 317mm | 610mm | 1006mm | 846mm | 693mm | | 794mm | 641mm | 838mm | 686mm | |

All dimensions are in inches unless otherwise noted
Window sizes noted above in drawings

Data subject to change without notice

# Empire Series

## FREE STANDING SINGLE DOOR



### Cover Type

Solid/Opaque

### Closure Type

3-Point Latch Hinged Cover

## 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

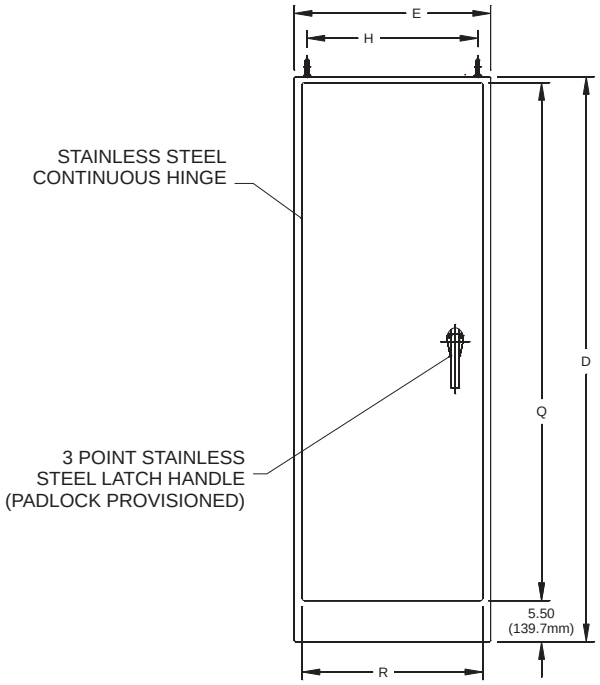
- UL 50 and UL 50E Types 1, 4, and 4X
- CSA C22.2 No. 94 Types 1, 4, and 4X
- Complies with:
  - NEMA Types 1, 4, and 4X
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

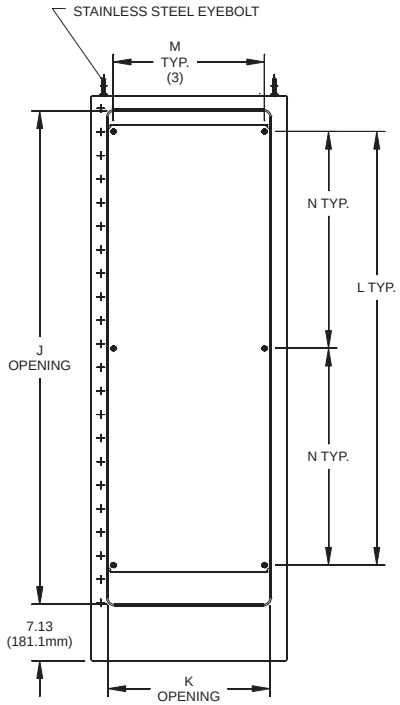
- Durable, corrosion resistant gel-coat fiberglass material construction
- Resin Transfer Molded (RTM) doors and box construction
- Soft, self-gripping EPDM gasket, compresses over flange for tight seal
- One 316 stainless steel 3-point latching handle with padlock provision
- Heavy-duty continuous 316 stainless steel hinge
- Fiberglass material has UV inhibitors which provide idea protection from outdoor weathering
- Heavy duty lifting eye bolts

## Accessories & Modifications

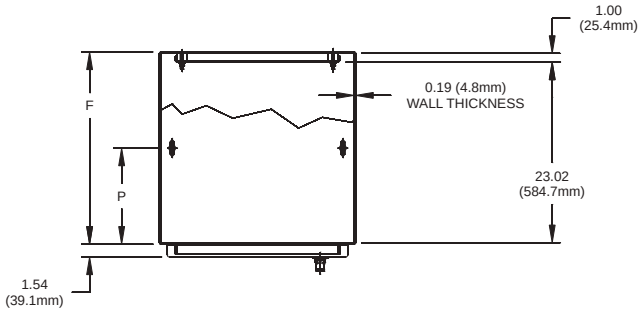
- Optional painted carbon steel back panels
- Custom size polycarbonate viewing windows
- HMI cover kits
- Inspection windows
- Optional print pocket




FRONT VIEW WITH DOOR




FRONT VIEW WITH DOOR REMOVED




| Optional Carbon Steel Back Panel | | |
|---|---|---|
| **Part No.** | **Height** | **Width** |
| P7225CS | 57.00 | 21.00 |
| | 1448mm | 533mm |

| Part No. | D | E | F | H | J | K | L | M | N | P | Q | R | # Panel Mount Studs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AM722525FS | 72.00 | 25.00 | 24.50 | 21.75 | 62.88 | 20.63 | 55.25 | 19.25 | 27.63 | 12.25 | 66.00 | 23.00 | 6 |
| | 1829mm | 635mm | 622mm | 552mm | 1597mm | 524mm | 1403mm | 489mm | 702mm | 311mm | 1676mm | 584mm | |

All dimensions are in inches unless otherwise noted

Data subject to change without notice

# Empire Series

## FREE STANDING DOUBLE DOOR

### Cover Type

Solid/Opaque

### Closure Type

3-Point Latch Hinged Cover

## 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

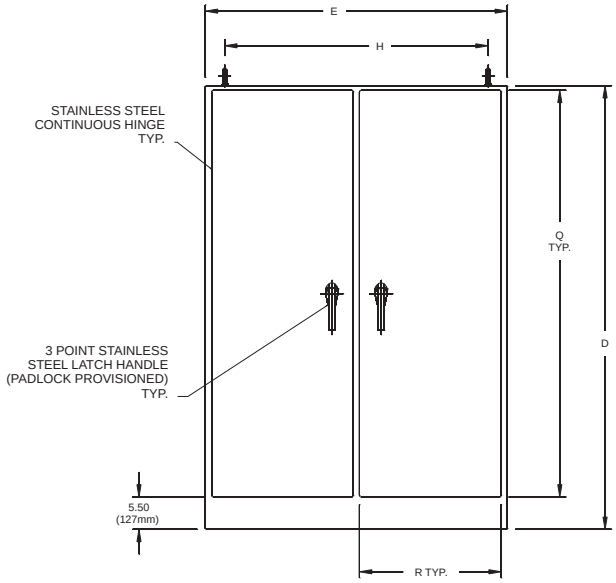
- UL 50 and UL 50E Types 1, 4, and 4X
- CSA C22.2 No. 94 Types 1, 4, and 4X
- Complies with:
  - NEMA Types 1, 4, and 4X
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

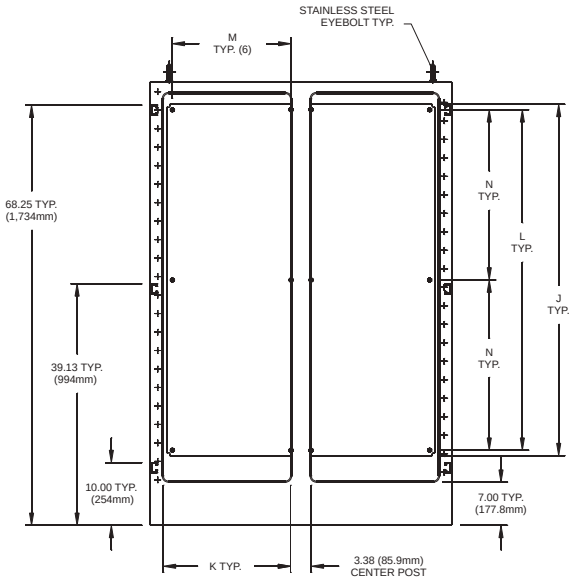
- Durable, corrosion resistant gel-coat fiberglass material construction
- Resin Transfer Molded (RTM) doors and hand-layup box construction
- Soft, self-gripping EPDM gasket, compresses over flange for tight seal
- Two 316 stainless steel 3-point latching handles with padlock provision
- Heavy-duty continuous 316 stainless steel hinge
- Fiberglass material has UV inhibitors which provide idea protection from outdoor weathering
- Heavy duty lifting eye bolts

## Accessories & Modifications

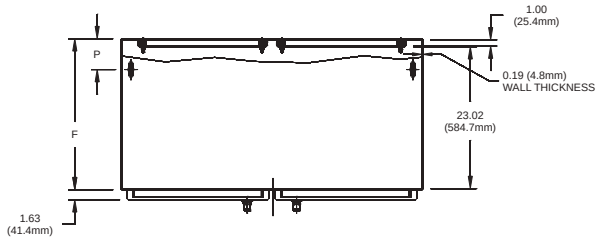
- Optional painted carbon steel back panels
- Custom size polycarbonate viewing windows
- HMI cover kits
- Inspection windows
- Optional print pocket




FRONT VIEW WITH DOORS




FRONT VIEW WITH DOORS REMOVED



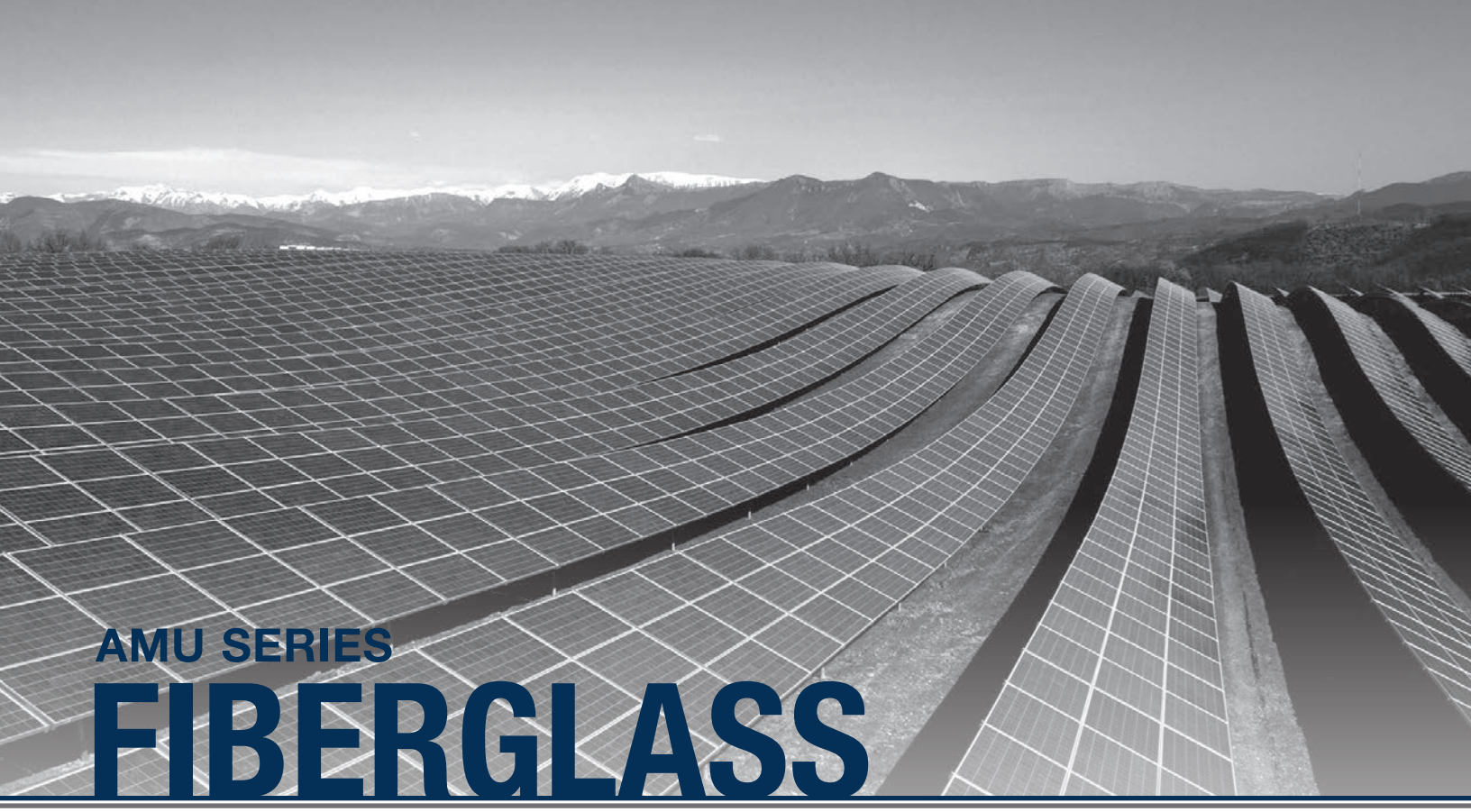

| Optional Carbon Steel Back Panel | | |
|---|---|---|
| Part No. | Height | Width |
| *P7249CS | 57.00 | 21.00 |
| | 1448mm | 533mm |

*Note: Consists of two separate panels

| Part No. | D | E | F | H | J | K | L | M | N | P | Q | R | # Panel Mount Studs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AM724925FSDD | 72.00 | 49.00 | 24.50 | 45.25 | 62.88 | 20.63 | 55.25 | 19.25 | 27.63 | 5.00 | 66.00 | 23.00 | 12 |
| | 1829mm | 1245mm | 622mm | 1149mm | 1597mm | 524mm | 1403mm | 489mm | 702mm | 127mm | 1676mm | 584mm | |

All dimensions are in inches unless otherwise noted

Data subject to change without notice



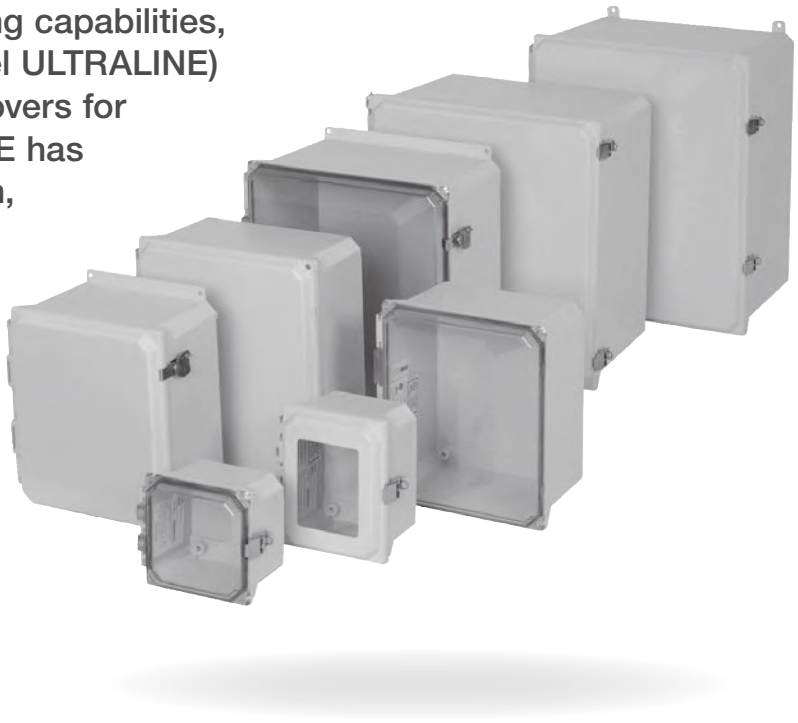
## AMU SERIES

# FIBERGLASS

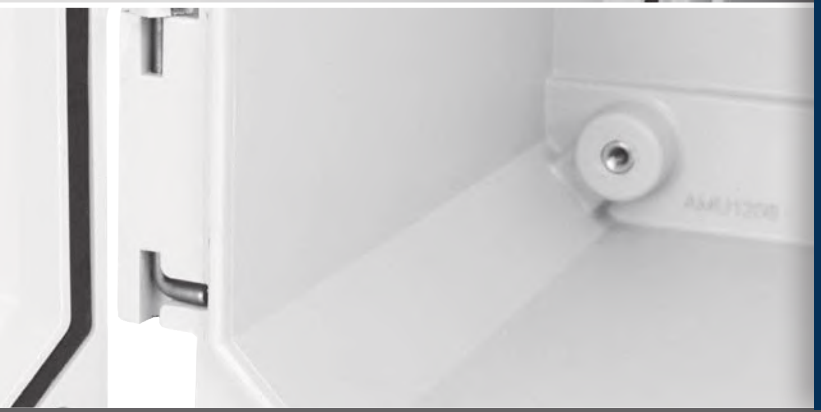
ULTRALINE®

*U.S. Pat. No. 7,572,975*

The ULTRALINE® AMU series fiberglass product family from Allied Moulded was developed primarily for OEM (Original Equipment Manufacturer) panel builder applications requiring JIC sizes. These enclosures offer features such as patented multi-mounting capabilities, field installable HFPU (hinged front panel ULTRALINE) accessories, and clear polycarbonate covers for instrumentation applications. ULTRALINE has a more modern exterior design in a flush, cover-to-base contour which many system integrators prefer for improved system aesthetics. Available sizes include 6" x 6" x 4" (152mm x 152mm x 102mm) up through 20" x 16" x 10" (508mm x 406mm x 254mm).



Scan to learn more



## AMU Series Features & Benefits

- Molded ULTRAGUARD® fiberglass reinforced polyester (FRP) material construction for durability
- 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 with 316 stainless steel secure hinge pin – no wall penetrations
- Formed-In-Place (FIP) polyurethane gasket system
- Mounting panel inserts for optional back panel
- UV stabilized for outdoor use

## AMU 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, aluminum, fiberglass, or galvannealed steel
- Optional hinged front panels
- 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
- Hinge installed on short side
- EMI/RFI shielding
- Factory-supplied silk screening

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

# AMU Series

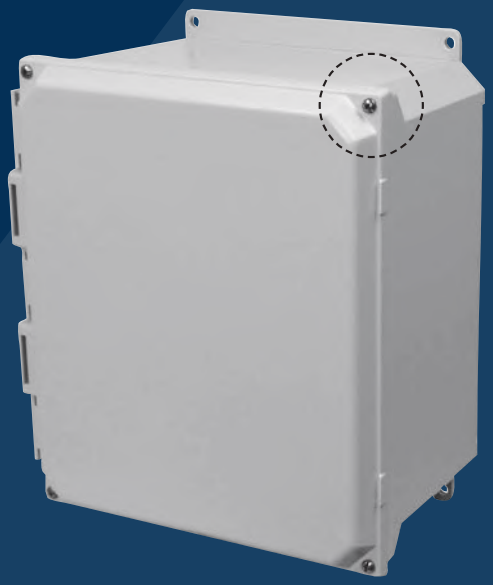
## JIC SIZE JUNCTION BOXES

### 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 oil refineries, waste water treatment equipment, chemical plants, and many other applications

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment

## Standards

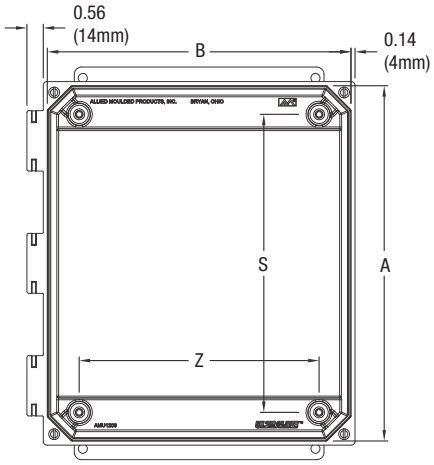
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 6P, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 6P, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 6P, 12 and 13
  - IEC 60529 Type IP68 submersible up to 24 hours at a depth of 6 feet (1.8 meters)
  - RoHS directive

## Construction

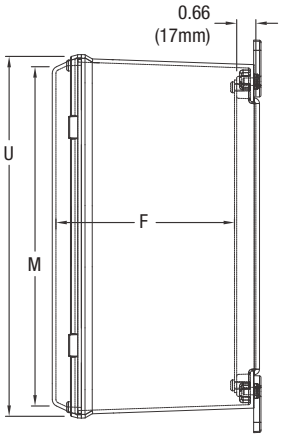
- Compression molded fiberglass reinforced polyester construction with flush, solid/opaque cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Opaque cover, base, feet, flanges — Light gray color (RAL 7035)
  *Note: foot models mounting 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
- Polycarbonate foot/flange mounting brackets with 316 stainless steel fasteners
- #10-32 threaded brass inserts are installed for back panel mounting

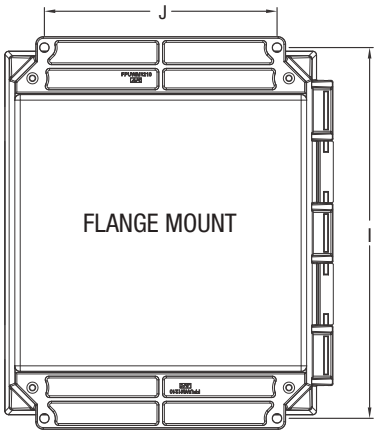
## Accessories & Modifications

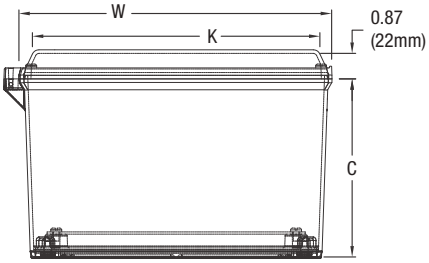
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening

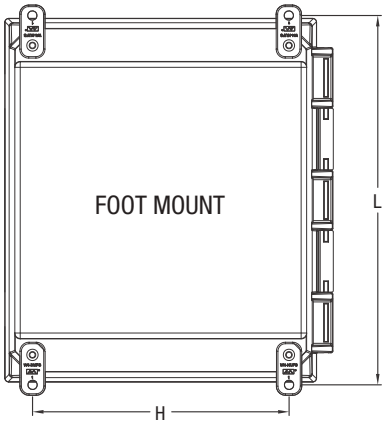



Note: Cover Removed for Clarity




*Nom. Wall Thickness: .13 (3mm)
16" size: .16 (4mm)
18" & 20" sizes: .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 |
| AMU664<br>AMU664F | 6.04 | 6.26 | 4.12 | 4.09 | 4.25 | 4.25 | 4.81 | 4.81 | PL66<br>PLA66 | 4.00 | 6.88, 6.75 | 4.91 | 6.75 | 5.70 | 5.53 | 6.72 | 6.50 |
| | 153mm | 159mm | 105mm | 103mm | 108mm | 108mm | 122mm | 122mm | | 102mm | 175, 171mm | 125mm | 171mm | 145mm | 140mm | 171mm | 165mm |
| AMU864<br>AMU864F | 8.06 | 6.28 | 4.13 | 4.11 | 6.25 | 4.25 | 6.75 | 4.88 | PL86<br>PLA86 | 4.00 | 8.88, 8.75 | 4.91 | 8.75 | 5.75 | 7.53 | 6.72 | 8.50 |
| | 205mm | 160mm | 105mm | 104mm | 159mm | 108mm | 171mm | 124mm | | 102mm | 222, 226mm | 125mm | 222mm | 146mm | 191mm | 171mm | 216mm |
| AMU1084<br>AMU1084F | 10.05 | 8.27 | 4.13 | 4.12 | 8.25 | 6.25 | 8.75 | 6.88 | PL108<br>PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 |
| | 255mm | 210mm | 105mm | 105mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 176mm | 273mm | 197mm | 242mm | 221mm | 267mm |
| ★ AMU1086<br>AMU1086F | 10.04 | 8.26 | 6.13 | 6.10 | 8.25 | 6.25 | 8.75 | 6.88 | PL108<br>PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 |
| | 255mm | 210mm | 156mm | 155mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 197mm | 242mm | 221mm | 267mm |
| AMU1206<br>AMU1206F | 12.05 | 10.27 | 6.13 | 6.12 | 10.25 | 8.25 | 10.75 | 8.88 | PL120<br>PLA120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.75 | 11.53 | 10.72 | 12.50 |
| | 306mm | 261mm | 156mm | 155mm | 260mm | 210mm | 273mm | 226mm | | 203mm | 324mm | 224mm | 323mm | 248mm | 293mm | 272mm | 318mm |
| AMU1426<br>AMU1426F | 14.05 | 12.27 | 6.13 | 6.11 | 12.25 | 10.25 | 12.75 | 10.88 | PL142<br>PLA142 | 10.01 | 14.75, 14.62 | 10.82 | 14.70 | 11.75 | 13.53 | 12.72 | 14.50 |
| | 357mm | 312mm | 156mm | 155mm | 311mm | 260mm | 324mm | 276mm | | 254mm | 375, 371mm | 275mm | 373mm | 298mm | 344mm | 323mm | 368mm |
| AMU1648<br>AMU1648F | 16.05 | 14.27 | 8.14 | 8.09 | 14.25 | 12.25 | 14.75 | 12.88 | P164<br>PA164 | 12.00 | 16.75 | 11.47 | 16.91 | 13.75 | 15.53 | 14.72 | 16.50 |
| | 408mm | 362mm | 207mm | 205mm | 362mm | 311mm | 375mm | 327mm | | 305mm | 425mm | 291mm | 430mm | 349mm | 394mm | 374mm | 419mm |
| AMU1860<br>AMU1860F | 18.12 | 16.34 | 10.13 | 10.10 | 16.26 | 14.25 | 16.88 | 14.88 | P186<br>PA186 | 12.00 | 18.88, 18.76 | 13.72 | 19.16 | 15.75 | 17.78 | 16.97 | 18.75 |
| | 460mm | 415mm | 257mm | 257mm | 413mm | 362mm | 429mm | 378mm | | 305mm | 480, 477mm | 348mm | 487mm | 400mm | 452mm | 431mm | 476mm |
| AMU2060<br>AMU2060F | 19.87 | 16.09 | 10.14 | 10.09 | 17.81 | 13.81 | 18.44 | 14.44 | P206<br>PA206 | 10.00 | 21.28 | 13.16 | 20.53 | 15.75 | 19.53 | 16.72 | 20.50 |
| | 505mm | 409mm | 257mm | 256mm | 452mm | 351mm | 468mm | 367mm | | 254mm | 541mm | 334mm | 521mm | 400mm | 496mm | 425mm | 521mm |

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 20" x 16" x 10" are rated 6P (IP68)
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMU664)
Part numbers with "F" signify factory installed flanges (ex. AMU664F)
Additional back panels found on page 128
★Coming soon!

Data subject to change without notice

# AMU Series

## JIC SIZE JUNCTION BOXES

### Cover Type

Viewing Window

### Closure Type

Lift-Off Screw Cover

## Application

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

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment
- Clear polycarbonate viewing window, used in applications where critical electronic equipment must be visible and protected from the elements

## Standards

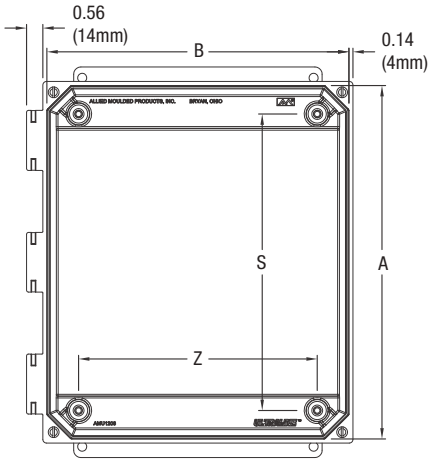
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

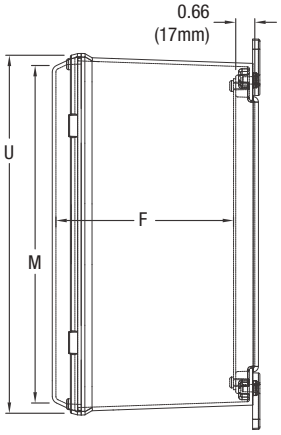
## Construction

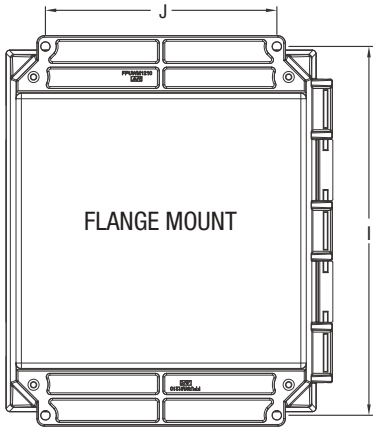
- Compression molded fiberglass reinforced polyester construction with flush, polycarbonate viewing window cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Opaque cover, base, feet, flanges — Light gray color (RAL 7035)
  *Note: 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
- Polycarbonate foot/flange mounting brackets with 316 stainless steel fasteners
- #10-32 threaded brass inserts are installed for back panel mounting

## Accessories & Modifications

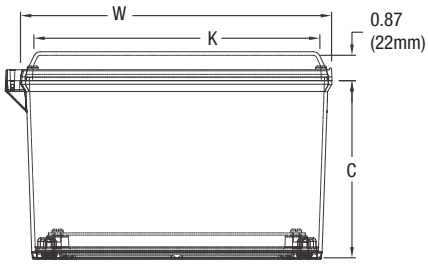
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening

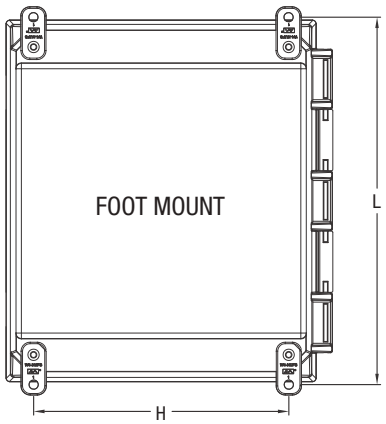



Note: Cover Removed for Clarity




*Nom. Wall Thickness: .13 (3mm)
16" size: .16 (4mm)
18" & 20" sizes: .19 (5mm)

| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Back Panel Size | | | Flange Mount Centers | | Foot Mount Centers | | Cover Size | | | | Window Dim. (H x W) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | J | I | H | L | K | M | W | U | |
| AMU664W AMU664WF | 6.04 | 6.26 | 4.13 | 3.99 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 PLA66 | 4.00 | 6.88, 6.75 | 4.91 | 6.75 | 5.70 | 5.53 | 6.72 | 6.50 | 3.50 x 3.50 |
| | 153mm | 159mm | 105mm | 101mm | 108mm | 108mm | 122mm | 122mm | | 102mm | 175, 171mm | 125mm | 171mm | 145mm | 140mm | 171mm | 165mm | 89mm x 89mm |
| AMU864W AMU864WF | 8.06 | 6.28 | 4.13 | 4.00 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 PLA86 | 4.00 | 8.88, 8.75 | 4.91 | 8.75 | 5.75 | 7.53 | 6.72 | 8.50 | 5.25 x 4.00 |
| | 205mm | 160mm | 105mm | 102mm | 159mm | 108mm | 171mm | 124mm | | 102mm | 222, 226mm | 125mm | 222mm | 146mm | 191mm | 171mm | 216mm | 133mm x 102mm |
| AMU1084W AMU1084WF | 10.05 | 8.27 | 4.13 | 4.00 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 | 6.25 x 4.25 |
| | 255mm | 210mm | 105mm | 102mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 176mm | 273mm | 197mm | 242mm | 221mm | 267mm | 159mm x 108mm |
| ★AMU1086W AMU1086WF | 10.04 | 8.26 | 6.13 | 6.10 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 | 6.25 x 4.25 |
| | 255mm | 210mm | 156mm | 155mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 197mm | 242mm | 221mm | 267mm | 159mm x 108mm |
| AMU1206W AMU1206WF | 12.05 | 10.27 | 6.13 | 6.00 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.75 | 11.53 | 10.72 | 12.50 | 8.38 x 6.50 |
| | 306mm | 261mm | 156mm | 153mm | 260mm | 210mm | 273mm | 226mm | | 203mm | 324mm | 224mm | 323mm | 248mm | 293mm | 272mm | 318mm | 213mm x 165mm |
| AMU1426W AMU1426WF | 14.05 | 12.27 | 6.13 | 6.00 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 PLA142 | 10.01 | 14.75, 14.62 | 10.82 | 14.70 | 11.75 | 13.53 | 12.72 | 14.50 | 10.38 x 8.51 |
| | 357mm | 312mm | 156mm | 152mm | 311mm | 260mm | 324mm | 276mm | | 254mm | 375, 371mm | 275mm | 373mm | 298mm | 344mm | 323mm | 368mm | 264mm x 216mm |
| AMU1648W AMU1648WF | 16.05 | 14.27 | 8.14 | 7.99 | 14.25 | 12.25 | 14.75 | 12.88 | P164 PA164 | 12.00 | 16.75 | 11.47 | 16.91 | 13.75 | 15.53 | 14.72 | 16.50 | 12.38 x 10.50 |
| | 408mm | 362mm | 207mm | 203mm | 362mm | 311mm | 375mm | 327mm | | 305mm | 425mm | 291mm | 430mm | 349mm | 394mm | 374mm | 419mm | 314mm x 267mm |
| AMU1860W AMU1860WF | 18.12 | 16.34 | 10.13 | 10.00 | 16.26 | 14.26 | 16.88 | 14.88 | P186 PA186 | 12.00 | 18.88, 18.76 | 13.72 | 19.16 | 15.75 | 17.78 | 16.97 | 18.75 | 13.00 x 11.00 |
| | 460mm | 415mm | 257mm | 254mm | 413mm | 362mm | 429mm | 378mm | | 305mm | 480, 477mm | 348mm | 487mm | 400mm | 452mm | 431mm | 476mm | 330mm x 267mm |
| AMU2060W AMU2060WF | 19.87 | 16.09 | 10.14 | 9.99 | 17.81 | 13.81 | 18.44 | 14.44 | P206 PA206 | 10.00 | 21.28 | 13.16 | 20.53 | 15.75 | 19.53 | 16.72 | 20.50 | 14.00 x 12.00 |
| | 505mm | 409mm | 257mm | 254mm | 452mm | 351mm | 468mm | 367mm | | 254mm | 540mm | 334mm | 521mm | 400mm | 496mm | 425mm | 521mm | 356mm x 305mm |

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. AMU664W)
Part numbers with "F" signify factory installed flanges (ex. AMU664WF)
Additional back panels found on page 128
★Coming soon!

Data subject to change without notice

# AMU 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 oil refineries, waste water treatment equipment, chemical plants, and many other applications

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment
- Clear polycarbonate instrumentation cover, used in applications where critical electronic equipment must be visible and protected from the elements

## Standards

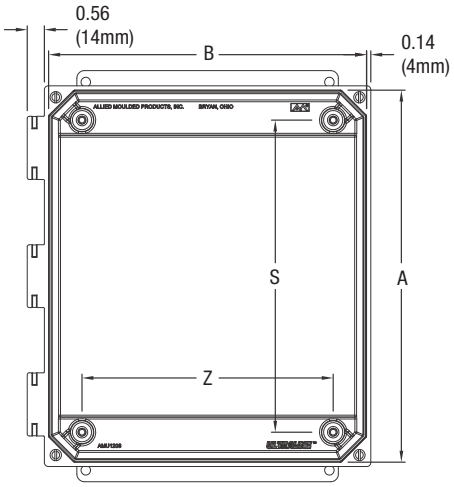
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 6P, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 6P, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 6P, 12 and 13
  - IEC 60529 Type IP68 submersible up to 24 hours at a depth of 6 feet (1.8 meters)
  - RoHS directive

## Construction

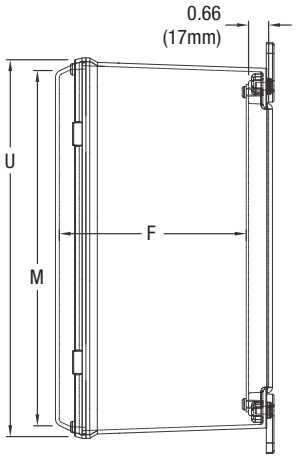
- Compression molded fiberglass reinforced polyester construction with flush, clear polycarbonate cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Enclosure base, feet, flanges — Light gray color (RAL 7035)
  *Note: foot models 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
- Polycarbonate foot/flange mounting brackets with 316 stainless steel fasteners
- #10-32 threaded brass inserts are installed for back panel mounting

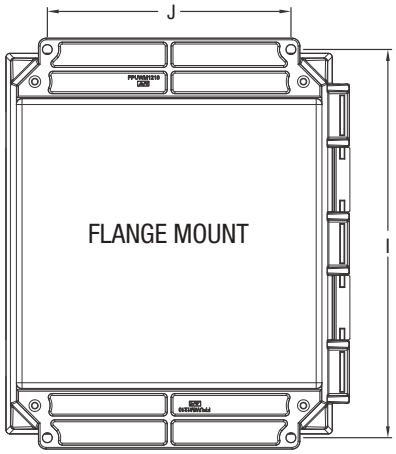
## Accessories & Modifications

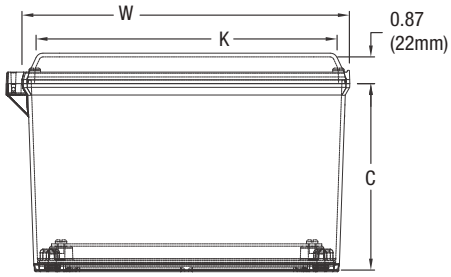
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening

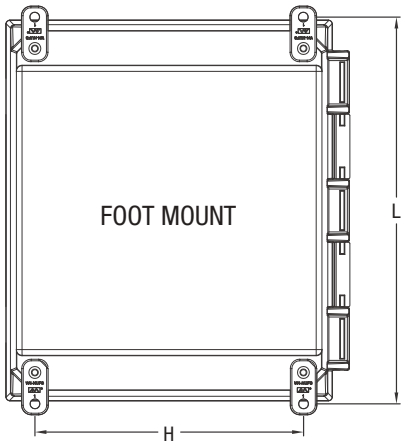



Note: Cover Removed for Clarity




*Nom. Wall Thickness: .13 (3mm)
16" size: .16 (4mm)
18" & 20" sizes: .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 |
| AMU664CC<br>AMU664CCF | 6.04 | 6.26 | 4.12 | 4.09 | 4.25 | 4.25 | 4.81 | 4.81 | PL66<br>PLA66 | 4.00 | 6.88, 6.75 | 4.91 | 6.75 | 5.70 | 5.53 | 6.72 | 6.50 |
| | 153mm | 159mm | 105mm | 103mm | 108mm | 108mm | 122mm | 122mm | | 102mm | 175, 171mm | 125mm | 171mm | 145mm | 140mm | 171mm | 165mm |
| AMU864CC<br>AMU864CCF | 8.06 | 6.28 | 4.13 | 4.11 | 6.25 | 4.25 | 6.75 | 4.88 | PL86<br>PLA86 | 4.00 | 8.88, 8.75 | 4.91 | 8.75 | 5.75 | 7.53 | 6.72 | 8.50 |
| | 205mm | 160mm | 105mm | 104mm | 159mm | 108mm | 171mm | 124mm | | 102mm | 222, 226mm | 125mm | 222mm | 146mm | 191mm | 171mm | 216mm |
| AMU1084CC<br>AMU1084CCF | 10.05 | 8.27 | 4.13 | 4.12 | 8.25 | 6.25 | 8.75 | 6.88 | PL108<br>PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 |
| | 255mm | 210mm | 105mm | 105mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 176mm | 273mm | 197mm | 242mm | 221mm | 267mm |
| ★AMU1086CC<br>AMU1086CCF | 10.04 | 8.26 | 6.13 | 6.10 | 8.25 | 6.25 | 8.75 | 6.88 | PL108<br>PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 |
| | 255mm | 210mm | 156mm | 155mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 197mm | 242mm | 221mm | 267mm |
| AMU1206CC<br>AMU1206CCF | 12.05 | 10.27 | 6.13 | 6.12 | 10.25 | 8.25 | 10.75 | 8.88 | PL120<br>PLA120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.75 | 11.53 | 10.72 | 12.50 |
| | 306mm | 261mm | 156mm | 155mm | 260mm | 210mm | 273mm | 226mm | | 203mm | 324mm | 224mm | 323mm | 248mm | 293mm | 272mm | 318mm |
| AMU1426CC<br>AMU1426CCF | 14.05 | 12.27 | 6.13 | 6.11 | 12.25 | 10.25 | 12.75 | 10.88 | PL142<br>PLA142 | 10.01 | 14.75, 14.62 | 10.82 | 14.70 | 11.75 | 13.53 | 12.72 | 14.50 |
| | 357mm | 312mm | 156mm | 155mm | 311mm | 260mm | 324mm | 276mm | | 254mm | 375, 371mm | 275mm | 373mm | 298mm | 344mm | 323mm | 368mm |
| AMU1648CC<br>AMU1648CCF | 16.05 | 14.27 | 8.14 | 8.09 | 14.25 | 12.25 | 14.75 | 12.88 | P164<br>PA164 | 12.00 | 16.75 | 11.47 | 16.91 | 13.75 | 15.53 | 14.72 | 16.50 |
| | 408mm | 362mm | 207mm | 205mm | 362mm | 311mm | 375mm | 327mm | | 305mm | 425mm | 291mm | 430mm | 349mm | 394mm | 374mm | 419mm |
| ★AMU2060CC<br>AMU2060CCF | 19.87 | 16.09 | 10.14 | 10.09 | 17.81 | 13.81 | 18.44 | 14.44 | P206<br>PA206 | 10.00 | 21.28 | 13.16 | 20.53 | 15.75 | 19.53 | 16.72 | 20.50 |
| | 505mm | 409mm | 257mm | 256mm | 452mm | 351mm | 468mm | 367mm | | 254mm | 541mm | 334mm | 521mm | 400mm | 496mm | 425mm | 521mm |

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 20" x 16" x 10" are rated 6P (IP68)
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMU664CC)
Part numbers with "F" signify factory installed flanges (ex. AMU664CCF)
Additional back panels found on page 128
★Coming soon!

Data subject to change without notice

# AMU 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 oil refineries, waste water treatment equipment, chemical plants, and many other applications

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment

## Standards

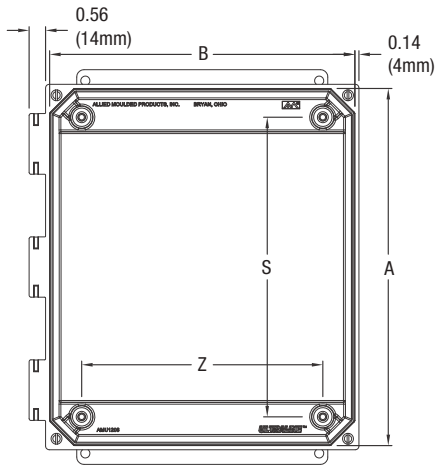
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

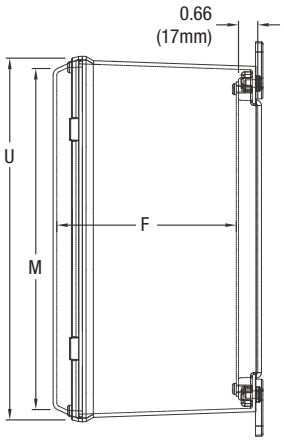
## Construction

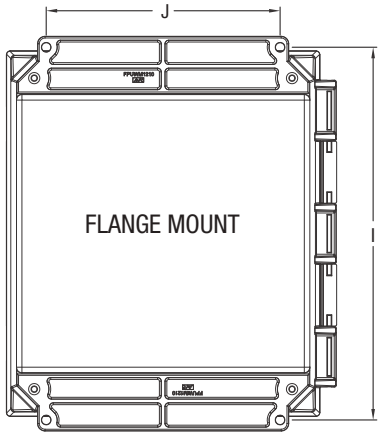
- Compression molded fiberglass reinforced polyester construction with flush, solid/opaque cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Opaque cover, base, feet, flanges — Light gray color (RAL 7035)
  *Note: foot models mounting hardware supplied in a bag. Flanged models are pre-assembled*
- 316 stainless steel hinge pin and captive cover screws
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- Polycarbonate foot/flange mounting brackets with 316 stainless steel fasteners
- #10-32 threaded brass inserts are installed for back panel mounting

## Accessories & Modifications

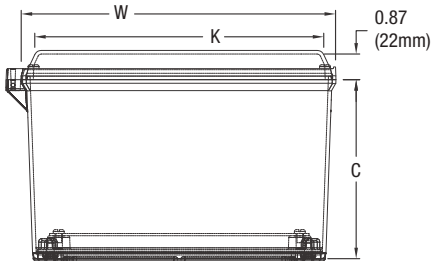
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening

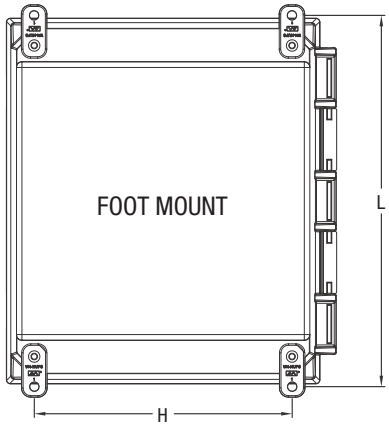



Note: Cover Removed for Clarity




*Nom. Wall Thickness: .13 (3mm)
16" size: .16 (4mm)
18" & 20" sizes: .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 |
| AMU664H AMU664HF | 6.04 | 6.26 | 4.12 | 4.09 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 PLA66 | 4.00 | 6.88, 6.75 | 4.91 | 6.75 | 5.70 | 5.53 | 6.72 | 6.50 |
| | 153mm | 159mm | 105mm | 103mm | 108mm | 108mm | 122mm | 122mm | | 102mm | 175, 171mm | 125mm | 171mm | 145mm | 140mm | 171mm | 165mm |
| AMU864H AMU864HF | 8.06 | 6.28 | 4.13 | 4.11 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 PLA86 | 4.00 | 8.88, 8.75 | 4.91 | 8.75 | 5.75 | 7.53 | 6.72 | 8.50 |
| | 205mm | 160mm | 105mm | 104mm | 159mm | 108mm | 171mm | 124mm | | 102mm | 222, 226mm | 125mm | 222mm | 146mm | 191mm | 171mm | 216mm |
| AMU1084H AMU1084HF | 10.05 | 8.27 | 4.13 | 4.12 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 |
| | 255mm | 210mm | 105mm | 105mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 176mm | 273mm | 197mm | 242mm | 221mm | 267mm |
| ★ AMU1086H AMU1086HF | 10.04 | 8.26 | 6.13 | 6.10 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 |
| | 255mm | 210mm | 156mm | 155mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 197mm | 242mm | 221mm | 267mm |
| AMU1206H AMU1206HF | 12.05 | 10.27 | 6.13 | 6.12 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.75 | 11.53 | 10.72 | 12.50 |
| | 306mm | 261mm | 156mm | 155mm | 260mm | 210mm | 273mm | 226mm | | 203mm | 324mm | 224mm | 323mm | 248mm | 293mm | 272mm | 318mm |
| AMU1426H AMU1426HF | 14.05 | 12.27 | 6.13 | 6.11 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 PLA142 | 10.01 | 14.75, 14.62 | 10.82 | 14.70 | 11.75 | 13.53 | 12.72 | 14.50 |
| | 357mm | 312mm | 156mm | 155mm | 311mm | 260mm | 324mm | 276mm | | 254mm | 375, 371mm | 275mm | 373mm | 298mm | 344mm | 323mm | 368mm |
| AMU1648H AMU1648HF | 16.05 | 14.27 | 8.14 | 8.09 | 14.25 | 12.25 | 14.75 | 12.88 | P164 PA164 | 12.00 | 16.75 | 11.47 | 16.91 | 13.75 | 15.53 | 14.72 | 16.50 |
| | 408mm | 362mm | 207mm | 205mm | 362mm | 311mm | 375mm | 327mm | | 305mm | 425mm | 291mm | 430mm | 349mm | 394mm | 374mm | 419mm |
| AMU1860H AMU1860HF | 18.12 | 16.34 | 10.13 | 10.10 | 16.26 | 14.25 | 16.88 | 14.88 | P186 PA186 | 12.00 | 18.88, 18.76 | 13.72 | 19.16 | 15.75 | 17.78 | 16.97 | 18.75 |
| | 460mm | 415mm | 257mm | 257mm | 413mm | 362mm | 429mm | 378mm | | 305mm | 480, 477mm | 348mm | 487mm | 400mm | 452mm | 431mm | 476mm |
| AMU2060H AMU2060HF | 19.87 | 16.09 | 10.14 | 10.09 | 17.81 | 13.81 | 18.44 | 14.44 | P206 PA206 | 10.00 | 21.28 | 13.16 | 20.53 | 15.75 | 19.53 | 16.72 | 20.50 |
| | 505mm | 409mm | 257mm | 256mm | 452mm | 351mm | 468mm | 367mm | | 254mm | 541mm | 334mm | 521mm | 400mm | 496mm | 425mm | 521mm |

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. AMU664H)
Part numbers with "F" signify factory installed flanges (ex. AMU664HF)
Additional back panels found on page 128
★Coming soon!

Data subject to change without notice

# AMU Series

## JIC SIZE JUNCTION BOXES

### Cover Type

Viewing Window

### Closure Type

Hinged Screw Cover

## Application

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

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment
- Clear polycarbonate viewing window, used in applications where critical electronic equipment must be visible and protected from the elements

## Standards

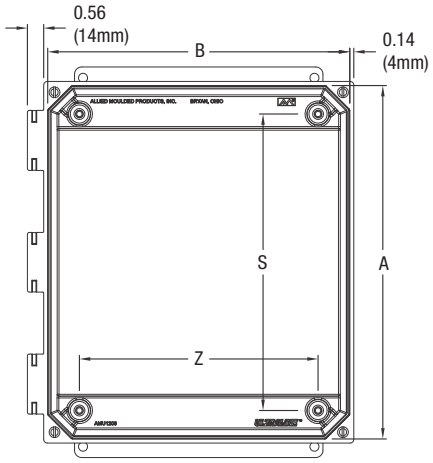
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

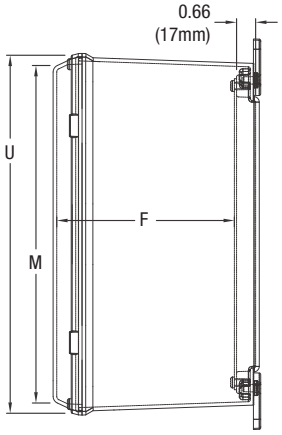
## Construction

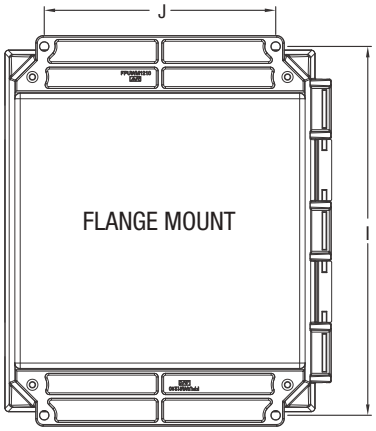
- Compression molded fiberglass reinforced polyester construction with flush, polycarbonate viewing window cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Opaque cover, base, feet, flanges — Light gray color (RAL 7035)
  *Note: foot models mounting hardware supplied in a bag. Flanged models are pre-assembled*
- 316 stainless steel hinge pin and captive cover screws
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- Polycarbonate foot/flange mounting brackets with 316 stainless steel fasteners
- #10-32 threaded brass inserts are installed for back panel mounting

## Accessories & Modifications

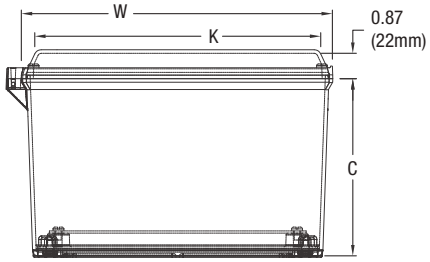
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening

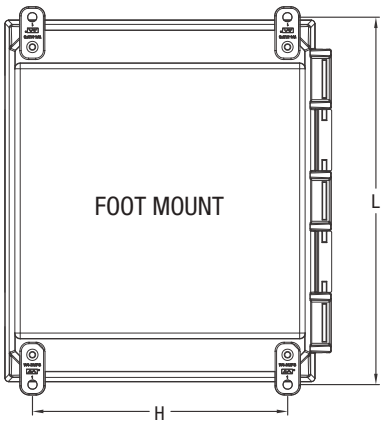



Note: Cover Removed for Clarity




*Nom. Wall Thickness: .13 (3mm)
16" size: .16 (4mm)
18" & 20" sizes: .19 (5mm)

| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Back Panel Size | | | Flange Mount Centers | | Foot Mount Centers | | Cover Size | | | | Window Dim. (H x W) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | J | I | H | L | K | M | W | U | |
| AMU664HW<br>AMU664HWF | 6.04 | 6.26 | 4.13 | 3.99 | 4.25 | 4.25 | 4.81 | 4.81 | PL66<br>PLA66 | 4.00 | 6.88, 6.75 | 4.91 | 6.75 | 5.70 | 5.53 | 6.72 | 6.50 | 3.50 x 3.50 |
| | 153mm | 159mm | 105mm | 101mm | 108mm | 108mm | 122mm | 122mm | | 102mm | 175, 171mm | 125mm | 171mm | 145mm | 140mm | 171mm | 165mm | 89mm x 89mm |
| AMU864HW<br>AMU864HWF | 8.06 | 6.28 | 4.13 | 4.00 | 6.25 | 4.25 | 6.75 | 4.88 | PL86<br>PLA86 | 4.00 | 8.88, 8.75 | 4.91 | 8.75 | 5.75 | 7.53 | 6.72 | 8.50 | 5.25 x 4.00 |
| | 205mm | 160mm | 105mm | 102mm | 159mm | 108mm | 171mm | 124mm | | 102mm | 222, 226mm | 125mm | 222mm | 146mm | 191mm | 171mm | 216mm | 133mm x 102mm |
| AMU1084HW<br>AMU1084HWF | 10.05 | 8.27 | 4.13 | 4.00 | 8.25 | 6.25 | 8.75 | 6.88 | PL108<br>PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 | 6.25 x 4.25 |
| | 255mm | 210mm | 105mm | 102mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 176mm | 273mm | 197mm | 242mm | 221mm | 267mm | 159mm x 108mm |
| ★AMU1086HW<br>AMU1086HWF | 10.04 | 8.26 | 6.13 | 6.10 | 8.25 | 6.25 | 8.75 | 6.88 | PL108<br>PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 | 6.25 x 4.25 |
| | 255mm | 210mm | 156mm | 155mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 197mm | 242mm | 221mm | 267mm | 159mm x 108mm |
| AMU1206HW<br>AMU1206HWF | 12.05 | 10.27 | 6.13 | 6.00 | 10.25 | 8.25 | 10.75 | 8.88 | PL120<br>PLA120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.75 | 11.53 | 10.72 | 12.50 | 8.38 x 6.50 |
| | 306mm | 261mm | 156mm | 153mm | 260mm | 210mm | 273mm | 226mm | | 203mm | 324mm | 224mm | 323mm | 248mm | 293mm | 272mm | 318mm | 213mm x 165mm |
| AMU1426HW<br>AMU1426HWF | 14.05 | 12.27 | 6.13 | 6.00 | 12.25 | 10.25 | 12.75 | 10.88 | PL142<br>PLA142 | 10.01 | 14.75, 14.62 | 10.82 | 14.70 | 11.75 | 13.53 | 12.72 | 14.50 | 10.38 x 8.51 |
| | 357mm | 312mm | 156mm | 152mm | 311mm | 260mm | 324mm | 276mm | | 254mm | 375, 371mm | 275mm | 373mm | 298mm | 344mm | 323mm | 368mm | 264mm x 216mm |
| AMU1648HW<br>AMU1648HWF | 16.05 | 14.27 | 8.14 | 7.99 | 14.25 | 12.25 | 14.75 | 12.88 | P164<br>PA164 | 12.00 | 16.75 | 11.47 | 16.91 | 13.75 | 15.53 | 14.72 | 16.50 | 12.38 x 10.50 |
| | 408mm | 362mm | 207mm | 203mm | 362mm | 311mm | 375mm | 327mm | | 305mm | 425mm | 291mm | 430mm | 349mm | 394mm | 374mm | 419mm | 314mm x 267mm |
| AMU1860HW<br>AMU1860HWF | 18.12 | 16.34 | 10.13 | 10.00 | 16.26 | 14.26 | 16.88 | 14.88 | P186<br>PA186 | 12.00 | 18.88, 18.76 | 13.72 | 19.16 | 15.75 | 17.78 | 16.97 | 18.75 | 13.00 x 11.00 |
| | 460mm | 415mm | 257mm | 254mm | 413mm | 362mm | 429mm | 378mm | | 305mm | 480, 477mm | 348mm | 487mm | 400mm | 452mm | 431mm | 476mm | 330mm x 267mm |
| AMU2060HW<br>AMU2060HWF | 19.87 | 16.09 | 10.14 | 9.99 | 17.81 | 13.81 | 18.44 | 14.44 | P206<br>PA206 | 10.00 | 21.28 | 13.16 | 20.53 | 15.75 | 19.53 | 16.72 | 20.50 | 14.00 x 12.00 |
| | 505mm | 409mm | 257mm | 254mm | 452mm | 351mm | 468mm | 367mm | | 254mm | 540mm | 334mm | 521mm | 400mm | 496mm | 425mm | 521mm | 356mm x 305mm |

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. AMU664HW)
Part numbers with "F" signify factory installed flanges (ex. AMU664HWF)
Additional back panels found on page 128
★Coming soon!

Data subject to change without notice

# AMU 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 oil refineries, waste water treatment equipment, chemical plants, and many other applications

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment
- Clear polycarbonate instrumentation cover, used in applications where critical electronic equipment must be visible and protected from the elements

## Standards

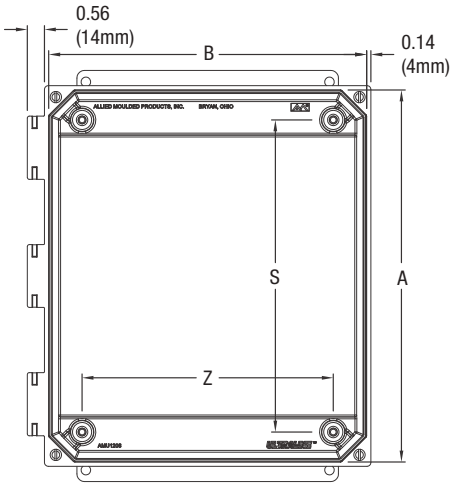
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

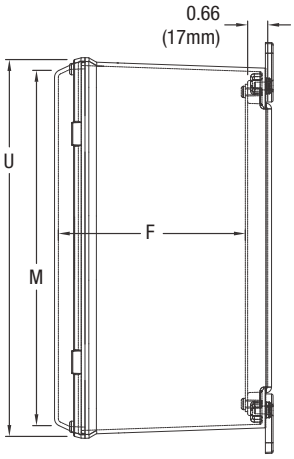
## Construction

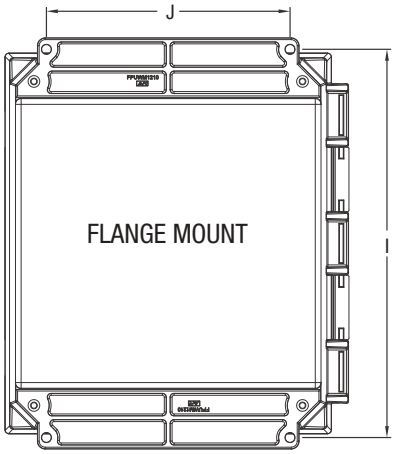
- Compression molded fiberglass reinforced polyester construction with flush, clear polycarbonate cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Enclosure base, feet, flanges — Light gray color (RAL 7035)
  *Note: foot models mounting hardware supplied in a bag. Flanged models are pre-assembled*
- 316 stainless steel hinge pin and captive cover screws
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- Polycarbonate foot/flange mounting brackets with 316 stainless steel fasteners
- #10-32 threaded brass inserts are installed for back panel mounting

## Accessories & Modifications

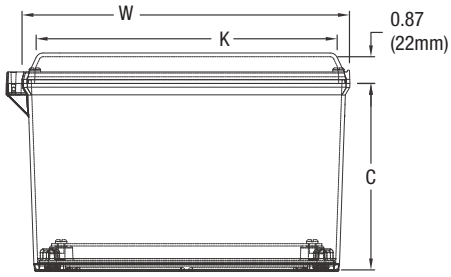
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening

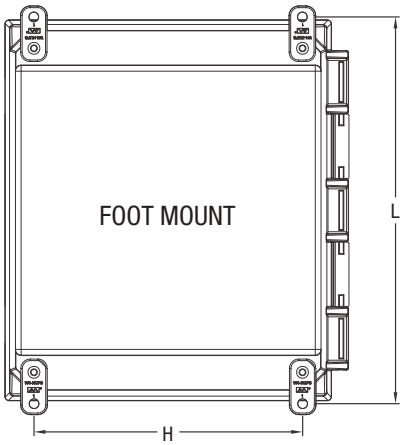



Note: Cover Removed for Clarity




*Nom. Wall Thickness: .13 (3mm)
16" size: .16 (4mm)
18" & 20" sizes: .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 |
| AMU664CCH AMU664CCHF | 6.04 | 6.26 | 4.12 | 4.09 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 PLA66 | 4.00 | 6.88, 6.75 | 4.91 | 6.75 | 5.70 | 5.53 | 6.72 | 6.50 |
| | 153mm | 159mm | 105mm | 103mm | 108mm | 108mm | 122mm | 122mm | | 102mm | 175, 171mm | 125mm | 171mm | 145mm | 140mm | 171mm | 165mm |
| AMU864CCH AMU864CCHF | 8.06 | 6.28 | 4.13 | 4.11 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 PLA86 | 4.00 | 8.88, 8.75 | 4.91 | 8.75 | 5.75 | 7.53 | 6.72 | 8.50 |
| | 205mm | 160mm | 105mm | 104mm | 159mm | 108mm | 171mm | 124mm | | 102mm | 222, 226mm | 125mm | 222mm | 146mm | 191mm | 171mm | 216mm |
| ★AMU1084CCH AMU1084CCHF | 10.05 | 8.27 | 4.13 | 4.12 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 |
| | 255mm | 210mm | 105mm | 105mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 176mm | 273mm | 197mm | 242mm | 221mm | 267mm |
| AMU1086CCH AMU1086CCHF | 10.04 | 8.26 | 6.13 | 6.10 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 |
| | 255mm | 210mm | 156mm | 155mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 197mm | 242mm | 221mm | 267mm |
| AMU1206CCH AMU1206CCHF | 12.05 | 10.27 | 6.13 | 6.12 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.75 | 11.53 | 10.72 | 12.50 |
| | 306mm | 261mm | 156mm | 155mm | 260mm | 210mm | 273mm | 226mm | | 203mm | 324mm | 224mm | 323mm | 248mm | 293mm | 272mm | 318mm |
| AMU1426CCH AMU1426CCHF | 14.05 | 12.27 | 6.13 | 6.11 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 PLA142 | 10.01 | 14.75, 14.62 | 10.82 | 14.70 | 11.75 | 13.53 | 12.72 | 14.50 |
| | 357mm | 312mm | 156mm | 155mm | 311mm | 260mm | 324mm | 276mm | | 254mm | 375, 371mm | 275mm | 373mm | 298mm | 344mm | 323mm | 368mm |
| AMU1648CCH AMU1648CCHF | 16.05 | 14.27 | 8.14 | 8.09 | 14.25 | 12.25 | 14.75 | 12.88 | P164 PA164 | 12.00 | 16.75 | 11.47 | 16.91 | 13.75 | 15.53 | 14.72 | 16.50 |
| | 408mm | 362mm | 207mm | 205mm | 362mm | 311mm | 375mm | 327mm | | 305mm | 425mm | 291mm | 430mm | 349mm | 394mm | 374mm | 419mm |
| ★AMU2060CCH AMU2060CCHF | 19.87 | 16.09 | 10.14 | 10.09 | 17.81 | 13.81 | 18.44 | 14.44 | P206 PA206 | 10.00 | 21.28 | 13.16 | 20.53 | 15.75 | 19.53 | 16.72 | 20.50 |
| | 505mm | 409mm | 257mm | 256mm | 452mm | 351mm | 468mm | 367mm | | 254mm | 541mm | 334mm | 521mm | 400mm | 496mm | 425mm | 521mm |

All dimensions are in inches unless otherwise noted
Data subject to change without notice
"I" dimensions with multiple numbers indicate slotted holes
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMU664CCH)
Part numbers with "F" signify factory installed flanges (ex. AMU664CCHF)
Additional back panels found on page 128
★Coming soon!

# AMU Series

## JIC SIZE JUNCTION BOXES

### Cover Type

Solid/Opaque

### Closure Type

Snap Latch Hinged Cover

## Application

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

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment

## Standards

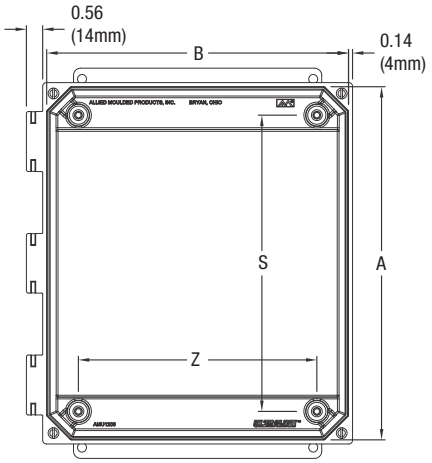
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

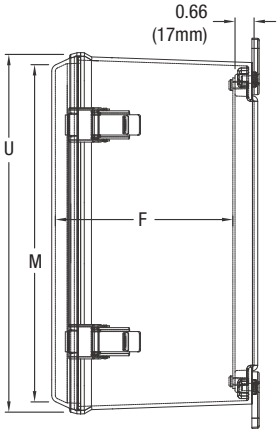
## Construction

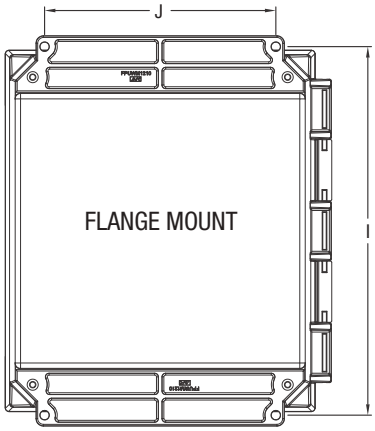
- Compression molded fiberglass reinforced polyester construction with flush, solid/opaque cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Opaque cover, base, feet, flanges — Light gray color (RAL 7035)
  *Note: foot models mounting hardware supplied in a bag. Flanged models are pre-assembled*
- 316 stainless steel hinge pin and snap latches with padlock hasp (.375" dia.)
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- Polycarbonate foot/flange mounting brackets with 316 stainless steel fasteners
- #10-32 threaded brass inserts are installed for back panel mounting

## Accessories & Modifications

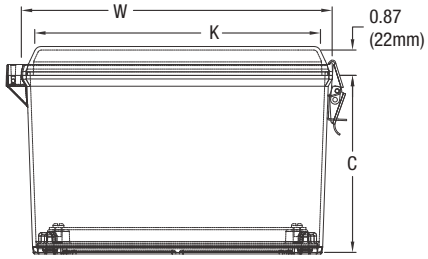
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening



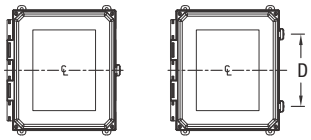



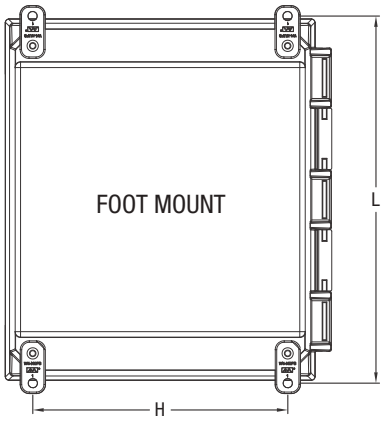

Note: Cover Removed for Clarity




LATCH LOCATIONS




| FOR USE ON | FOR USE ON |
|---|---|
| 6x6x4 | 12x10x6 D=7.50 (191mm) |
| 8x6x4 | 14x12x6 D=8.00 (203mm) |
| 10x8x4 | 16x14x8 D=9.00 (229mm) |
| 10x8x6 | 18x16x10 D=14.56 (370mm) |
| | 20x16x10 D=16.81 (427mm) |




*Nom. Wall Thickness: .13 (3mm)
16" size: .16 (4mm)
18" & 20" sizes: .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 |
| AMU664L AMU664LF | 6.04 | 6.26 | 4.12 | 4.09 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 PLA66 | 4.00 | 6.88, 6.75 | 4.91 | 6.75 | 5.70 | 5.53 | 6.72 | 6.50 |
| | 153mm | 159mm | 105mm | 103mm | 108mm | 108mm | 122mm | 122mm | | 102mm | 175, 171mm | 125mm | 171mm | 145mm | 140mm | 171mm | 165mm |
| AMU864L AMU864LF | 8.06 | 6.28 | 4.13 | 4.11 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 PLA86 | 4.00 | 8.88, 8.75 | 4.91 | 8.75 | 5.75 | 7.53 | 6.72 | 8.50 |
| | 205mm | 160mm | 105mm | 104mm | 159mm | 108mm | 171mm | 124mm | | 102mm | 222, 226mm | 125mm | 222mm | 146mm | 191mm | 171mm | 216mm |
| AMU1084L AMU1084LF | 10.05 | 8.27 | 4.13 | 4.12 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 |
| | 255mm | 210mm | 105mm | 105mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 176mm | 273mm | 197mm | 242mm | 221mm | 267mm |
| ★ AMU1086L AMU1086LF | 10.04 | 8.26 | 6.13 | 6.10 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 |
| | 255mm | 210mm | 156mm | 155mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 197mm | 242mm | 221mm | 267mm |
| AMU1206L AMU1206LF | 12.05 | 10.27 | 6.13 | 6.12 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.75 | 11.53 | 10.72 | 12.50 |
| | 306mm | 261mm | 156mm | 155mm | 260mm | 210mm | 273mm | 226mm | | 203mm | 324mm | 224mm | 323mm | 248mm | 293mm | 272mm | 318mm |
| AMU1426L AMU1426LF | 14.05 | 12.27 | 6.13 | 6.11 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 PLA142 | 10.01 | 14.75, 14.62 | 10.82 | 14.70 | 11.75 | 13.53 | 12.72 | 14.50 |
| | 357mm | 312mm | 156mm | 155mm | 311mm | 260mm | 324mm | 276mm | | 254mm | 375, 371mm | 275mm | 373mm | 298mm | 344mm | 323mm | 368mm |
| AMU1648L AMU1648LF | 16.05 | 14.27 | 8.14 | 8.09 | 14.25 | 12.25 | 14.75 | 12.88 | P164 PA164 | 12.00 | 16.75 | 11.47 | 16.91 | 13.75 | 15.53 | 14.72 | 16.50 |
| | 408mm | 362mm | 207mm | 205mm | 362mm | 311mm | 375mm | 327mm | | 305mm | 425mm | 291mm | 430mm | 349mm | 394mm | 374mm | 419mm |
| AMU1860L AMU1860LF | 18.12 | 16.34 | 10.13 | 10.10 | 16.26 | 14.25 | 16.88 | 14.88 | P186 PA186 | 12.00 | 18.88, 18.76 | 13.72 | 19.16 | 15.75 | 17.78 | 16.97 | 18.75 |
| | 460mm | 415mm | 257mm | 257mm | 413mm | 362mm | 429mm | 378mm | | 305mm | 480, 477mm | 348mm | 487mm | 400mm | 452mm | 431mm | 476mm |
| AMU2060L AMU2060LF | 19.87 | 16.09 | 10.14 | 10.09 | 17.81 | 13.81 | 18.44 | 14.44 | P206 PA206 | 10.00 | 21.28 | 13.16 | 20.53 | 15.75 | 19.53 | 16.72 | 20.50 |
| | 505mm | 409mm | 257mm | 256mm | 452mm | 351mm | 468mm | 367mm | | 254mm | 541mm | 334mm | 521mm | 400mm | 496mm | 425mm | 521mm |

All dimensions are in inches unless otherwise noted
Data subject to change without notice
"I" dimensions with multiple numbers indicate slotted holes
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMU664L)
Part numbers with "F" signify factory installed flanges (ex. AMU664LF)
Additional back panels found on page 128
★Coming soon!

# AMU Series

## JIC SIZE JUNCTION BOXES

### Cover Type

Viewing Window

### Closure Type

Snap Latch Hinged Cover

## Application

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

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment
- Clear polycarbonate viewing window, used in applications where critical electronic equipment must be visible and protected from the elements

## Standards

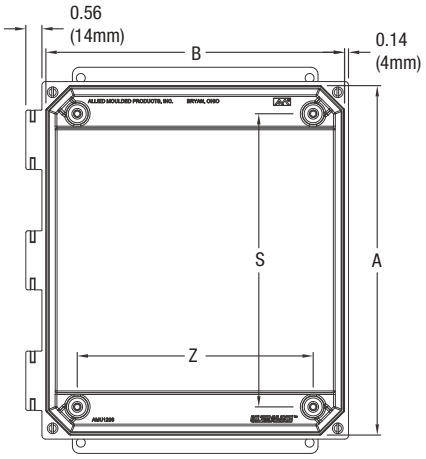
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

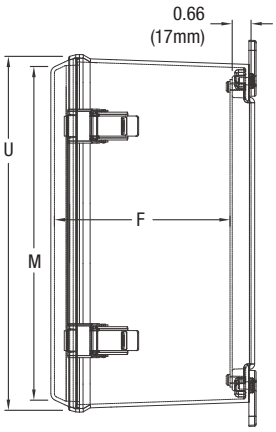
## Construction

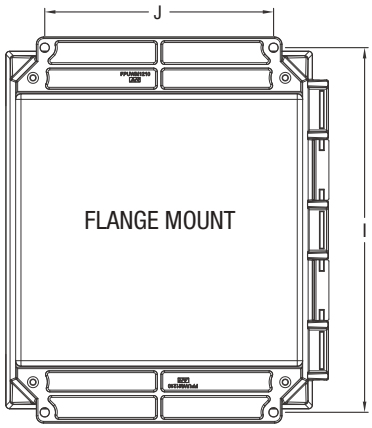
- Compression molded fiberglass reinforced polyester construction with flush, polycarbonate viewing window cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Opaque cover, base, feet, flanges — Light gray color (RAL 7035)
  *Note: foot models mounting hardware supplied in a bag. Flanged models are pre-assembled*
- 316 stainless steel hinge pin and snap latches with padlock hasp (.375" dia.)
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- Polycarbonate foot/flange mounting brackets with 316 stainless steel fasteners
- #10-32 threaded brass inserts are installed for back panel mounting

## Accessories & Modifications

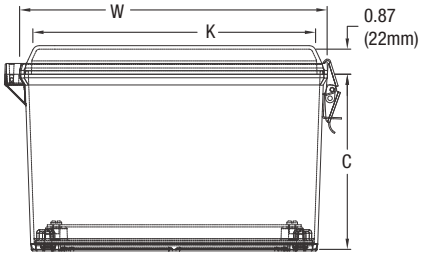
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening



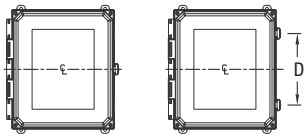



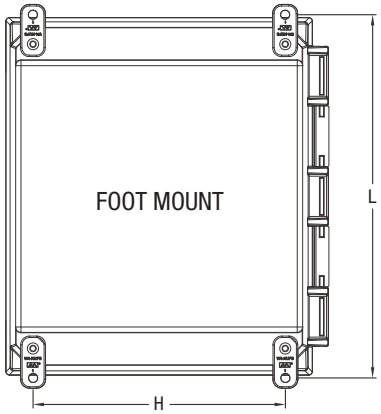

Note: Cover Removed for Clarity




## LATCH LOCATIONS




| FOR USE ON | FOR USE ON |
|---|---|
| 6x6x4 | 12x10x6 D=7.50 (191mm) |
| 8x6x4 | 14x12x6 D=8.00 (203mm) |
| 10x8x4 | 16x14x8 D=9.00 (229mm) |
| 10x8x6 | 18x16x10 D=14.56 (370mm) |
| | 20x16x10 D=16.81 (427mm) |




*Nom. Wall Thickness: .13 (3mm)
16" size: .16 (4mm)
18" & 20" sizes: .19 (5mm)

| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Back Panel Size | | | Flange Mount Centers | | Foot Mount Centers | | Cover Size | | | | Window Dim. (H x W) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | J | I | H | L | K | M | W | U | |
| AMU664LW<br>AMU664LWF | 6.04 | 6.26 | 4.13 | 3.99 | 4.25 | 4.25 | 4.81 | 4.81 | PL66<br>PLA66 | 4.00 | 6.88, 6.75 | 4.91 | 6.75 | 5.70 | 5.53 | 6.72 | 6.50 | 3.50 x 3.50 |
| | 153mm | 159mm | 105mm | 101mm | 108mm | 108mm | 122mm | 122mm | | 102mm | 175, 171mm | 125mm | 171mm | 145mm | 140mm | 171mm | 165mm | 89mm x 89mm |
| AMU864LW<br>AMU864LWF | 8.06 | 6.28 | 4.13 | 4.00 | 6.25 | 4.25 | 6.75 | 4.88 | PL86<br>PLA86 | 4.00 | 8.88, 8.75 | 4.91 | 8.75 | 5.75 | 7.53 | 6.72 | 8.50 | 5.25 x 4.00 |
| | 205mm | 160mm | 105mm | 102mm | 159mm | 108mm | 171mm | 124mm | | 102mm | 222, 226mm | 125mm | 222mm | 146mm | 191mm | 171mm | 216mm | 133mm x 102mm |
| AMU1084LW<br>AMU1084LWF | 10.05 | 8.27 | 4.13 | 4.00 | 8.25 | 6.25 | 8.75 | 6.88 | PL108<br>PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 | 6.25 x 4.25 |
| | 255mm | 210mm | 105mm | 102mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 176mm | 273mm | 197mm | 242mm | 221mm | 267mm | 159mm x 108mm |
| ★AMU1086LW<br>AMU1086LWF | 10.04 | 8.26 | 6.13 | 6.10 | 8.25 | 6.25 | 8.75 | 6.88 | PL108<br>PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 | 6.25 x 4.25 |
| | 255mm | 210mm | 156mm | 155mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 197mm | 242mm | 221mm | 267mm | 159mm x 108mm |
| AMU1206LW<br>AMU1206LWF | 12.05 | 10.27 | 6.13 | 6.00 | 10.25 | 8.25 | 10.75 | 8.88 | PL120<br>PLA120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.75 | 11.53 | 10.72 | 12.50 | 8.38 x 6.50 |
| | 306mm | 261mm | 156mm | 153mm | 260mm | 210mm | 273mm | 226mm | | 203mm | 324mm | 224mm | 323mm | 248mm | 293mm | 272mm | 318mm | 213mm x 165mm |
| AMU1426LW<br>AMU1426LWF | 14.05 | 12.27 | 6.13 | 6.00 | 12.25 | 10.25 | 12.75 | 10.88 | PL142<br>PLA142 | 10.01 | 14.75, 14.62 | 10.82 | 14.70 | 11.75 | 13.53 | 12.72 | 14.50 | 10.38 x 8.51 |
| | 357mm | 312mm | 156mm | 152mm | 311mm | 260mm | 324mm | 276mm | | 254mm | 375, 371mm | 275mm | 373mm | 298mm | 344mm | 323mm | 368mm | 264mm x 216mm |
| AMU1648LW<br>AMU1648LWF | 16.05 | 14.27 | 8.14 | 7.99 | 14.25 | 12.25 | 14.75 | 12.88 | P164<br>PA164 | 12.00 | 16.75 | 11.47 | 16.91 | 13.75 | 15.53 | 14.72 | 16.50 | 12.38 x 10.50 |
| | 408mm | 362mm | 207mm | 203mm | 362mm | 311mm | 375mm | 327mm | | 305mm | 425mm | 291mm | 430mm | 349mm | 394mm | 374mm | 419mm | 314mm x 267mm |
| AMU1860LW<br>AMU1860LWF | 18.12 | 16.34 | 10.13 | 10.00 | 16.26 | 14.26 | 16.88 | 14.88 | P186<br>PA186 | 12.00 | 18.88, 18.76 | 13.72 | 19.16 | 15.75 | 17.78 | 16.97 | 18.75 | 13.00 x 11.00 |
| | 460mm | 415mm | 257mm | 254mm | 413mm | 362mm | 429mm | 378mm | | 305mm | 480, 477mm | 348mm | 487mm | 400mm | 452mm | 431mm | 476mm | 330mm x 267mm |
| AMU2060LW<br>AMU2060LWF | 19.87 | 16.09 | 10.14 | 9.99 | 17.81 | 13.81 | 18.44 | 14.44 | P206<br>PA206 | 10.00 | 21.28 | 13.16 | 20.53 | 15.75 | 19.53 | 16.72 | 20.50 | 14.00 x 12.00 |
| | 505mm | 409mm | 257mm | 254mm | 452mm | 351mm | 468mm | 367mm | | 254mm | 540mm | 334mm | 521mm | 400mm | 496mm | 425mm | 521mm | 356mm x 305mm |

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. AMU664LW)
Part numbers with "F" signify factory installed flanges (ex. AMU664LWF)
Additional back panels found on page 128
★Coming soon!

Data subject to change without notice

# AMU Series

## JIC SIZE JUNCTION BOXES

### Cover Type

Clear Polycarbonate

### Closure Type

Snap Latch Hinged Cover

## Application

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

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment
- Clear polycarbonate instrumentation cover, used in applications where critical electronic equipment must be visible and protected from the elements

## Standards

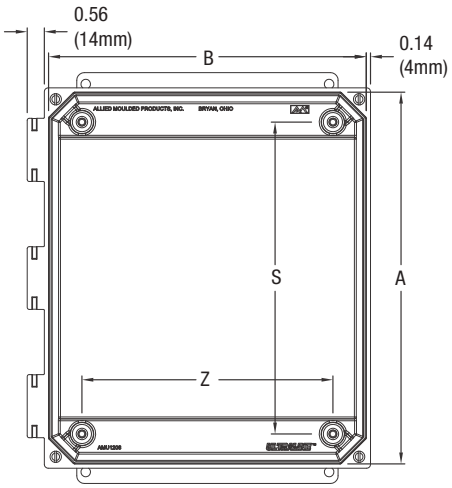
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

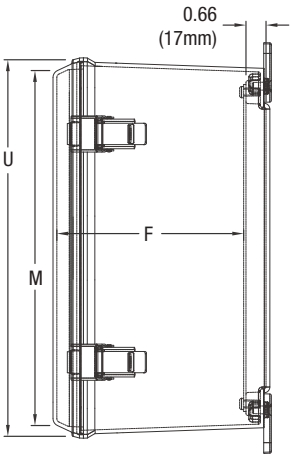
- Compression molded fiberglass reinforced polyester construction with flush, clear polycarbonate cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Enclosure base, feet, flanges — Light gray color (RAL 7035)
  *Note: foot models mounting hardware supplied in a bag. Flanged models are pre-assembled*
- 316 stainless steel hinge pin and snap latches with padlock hasp (.375" dia.)
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- Polycarbonate foot/flange mounting brackets with 316 stainless steel fasteners
- #10-32 threaded brass inserts are installed for back panel mounting

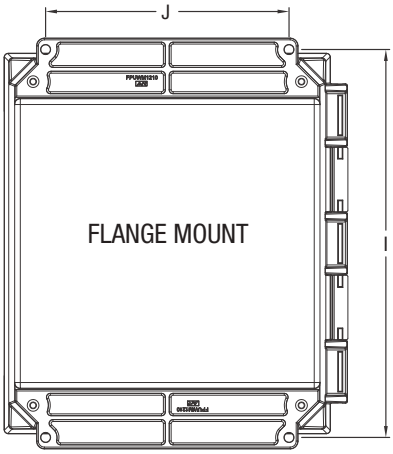
## Accessories & Modifications

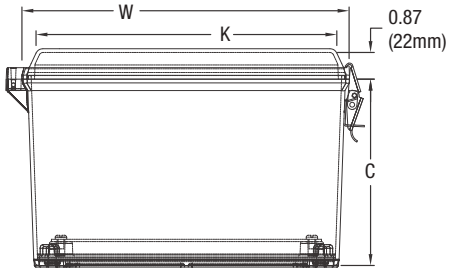
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening



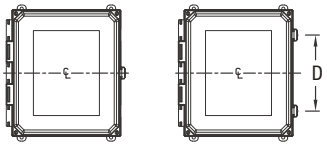

Note: Cover Removed for Clarity



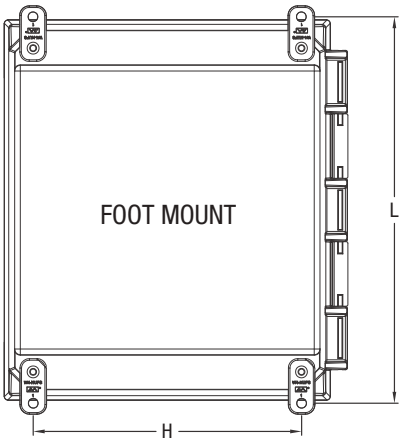




LATCH LOCATIONS




| FOR USE ON | FOR USE ON |
|---|---|
| 6x6x4 | 12x10x6 D=7.50 (191mm) |
| 8x6x4 | 14x12x6 D=8.00 (203mm) |
| 10x8x4 | 16x14x8 D=9.00 (229mm) |
| 10x8x6 | 20x16x10 D=16.81 (427mm) |




*Nom. Wall Thickness: .13 (3mm)
16" size: .16 (4mm)
18" & 20" sizes: .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 |
| AMU664CCL<br>AMU664CCLF | 6.04 | 6.26 | 4.12 | 4.09 | 4.25 | 4.25 | 4.81 | 4.81 | PL66<br>PLA66 | 4.00 | 6.88, 6.75 | 4.91 | 6.75 | 5.70 | 5.53 | 6.72 | 6.50 |
| | 153mm | 159mm | 105mm | 103mm | 108mm | 108mm | 122mm | 122mm | | 102mm | 175, 171mm | 125mm | 171mm | 145mm | 140mm | 171mm | 165mm |
| AMU864CCL<br>AMU864CCLF | 8.06 | 6.28 | 4.13 | 4.11 | 6.25 | 4.25 | 6.75 | 4.88 | PL86<br>PLA86 | 4.00 | 8.88, 8.75 | 4.91 | 8.75 | 5.75 | 7.53 | 6.72 | 8.50 |
| | 205mm | 160mm | 105mm | 104mm | 159mm | 108mm | 171mm | 124mm | | 102mm | 222, 226mm | 125mm | 222mm | 146mm | 191mm | 171mm | 216mm |
| AMU1084CCL<br>AMU1084CCLF | 10.05 | 8.27 | 4.13 | 4.12 | 8.25 | 6.25 | 8.75 | 6.88 | PL108<br>PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 |
| | 255mm | 210mm | 105mm | 105mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 176mm | 273mm | 197mm | 242mm | 221mm | 267mm |
| ★AMU1086CCL<br>AMU1086CCLF | 10.04 | 8.26 | 6.13 | 6.10 | 8.25 | 6.25 | 8.75 | 6.88 | PL108<br>PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 |
| | 255mm | 210mm | 156mm | 155mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 197mm | 242mm | 221mm | 267mm |
| AMU1206CCL<br>AMU1206CCLF | 12.05 | 10.27 | 6.13 | 6.12 | 10.25 | 8.25 | 10.75 | 8.88 | PL120<br>PLA120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.75 | 11.53 | 10.72 | 12.50 |
| | 306mm | 261mm | 156mm | 155mm | 260mm | 210mm | 273mm | 226mm | | 203mm | 324mm | 224mm | 323mm | 248mm | 293mm | 272mm | 318mm |
| AMU1426CCL<br>AMU1426CCLF | 14.05 | 12.27 | 6.13 | 6.11 | 12.25 | 10.25 | 12.75 | 10.88 | PL142<br>PLA142 | 10.01 | 14.75, 14.62 | 10.82 | 14.70 | 11.75 | 13.53 | 12.72 | 14.50 |
| | 357mm | 312mm | 156mm | 155mm | 311mm | 260mm | 324mm | 276mm | | 254mm | 375, 371mm | 275mm | 373mm | 298mm | 344mm | 323mm | 368mm |
| AMU1648CCL<br>AMU1648CCLF | 16.05 | 14.27 | 8.14 | 8.09 | 14.25 | 12.25 | 14.75 | 12.88 | P164<br>PA164 | 12.00 | 16.75 | 11.47 | 16.91 | 13.75 | 15.53 | 14.72 | 16.50 |
| | 408mm | 362mm | 207mm | 205mm | 362mm | 311mm | 375mm | 327mm | | 305mm | 425mm | 291mm | 430mm | 349mm | 394mm | 374mm | 419mm |
| ★AMU2060CCL<br>AMU2060CCLF | 19.87 | 16.09 | 10.14 | 10.09 | 17.81 | 13.81 | 18.44 | 14.44 | P206<br>PA206 | 10.00 | 21.28 | 13.16 | 20.53 | 15.75 | 19.53 | 16.72 | 20.50 |
| | 505mm | 409mm | 257mm | 256mm | 452mm | 351mm | 468mm | 367mm | | 254mm | 541mm | 334mm | 521mm | 400mm | 496mm | 425mm | 521mm |

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. AMU664CCL)
Part numbers with "F" signify factory installed flanges (ex. AMU664CCLF)
Additional back panels found on page 128
★Coming soon!

Data subject to change without notice

# AMU 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 oil refineries, waste water treatment equipment, chemical plants, and many other applications

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment

## Standards

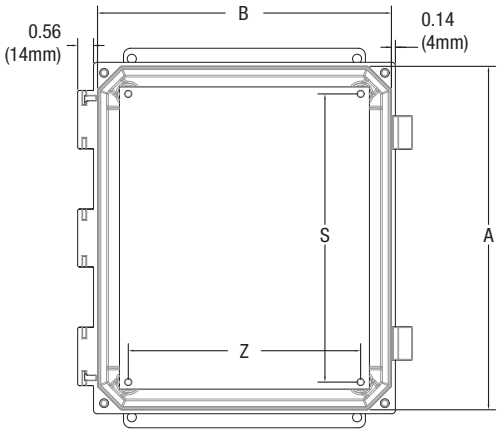
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

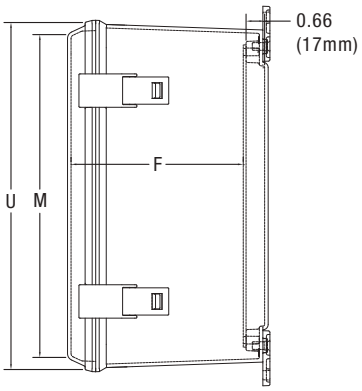
- Compression molded fiberglass reinforced polyester construction with flush, solid/opaque cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Opaque cover, base, feet, flanges — Light gray color (RAL 7035)
  *Note: foot models mounting hardware supplied in a bag. Flanged models are pre-assembled*
- 316 stainless steel hinge pin and polycarbonate snap latches with padlock hasp (.281" dia.)
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- Polycarbonate foot/flange mounting brackets with 316 stainless steel fasteners
- #10-32 threaded brass inserts are installed for back panel mounting

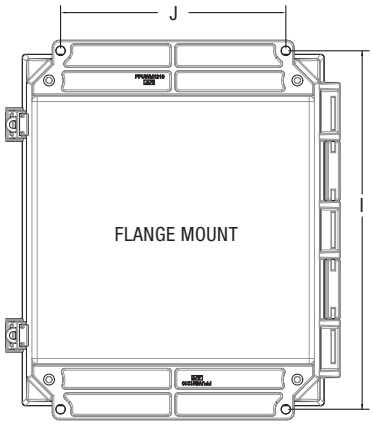
## Accessories & Modifications

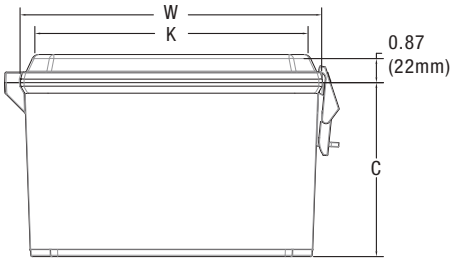
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening



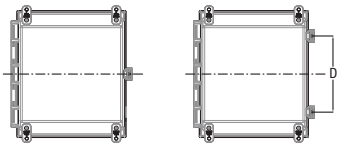

NOTE: COVER REMOVED FOR CLARITY



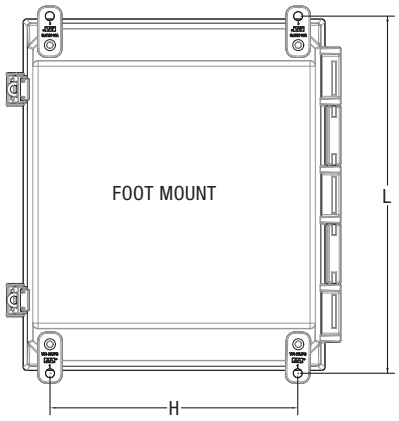




## LATCH LOCATIONS




| FOR USE ON | FOR USE ON |
|---|---|
| 6x6x4 | 12x10x6 D=7.50 (199mm) |
| 8x6x4 | 14x12x6 D=8.00 (203mm) |
| 10x8x4 | 16x14x8 D=9.00 (229mm) |
| 10x8x6 | 18x16x10 D=14.56 (370mm) |
| | 20x16x10 D=16.81 (427mm) |




*Nom. Wall Thickness: .13 (3mm)
16" size: .16 (4mm)
18" & 20" sizes: .19 (5mm)

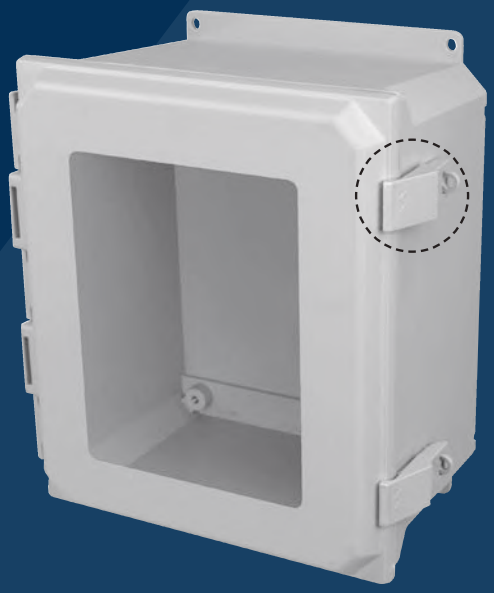
| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Back Panel Size | | | Flange Mount Centers | | Foot Mount Centers | | Cover Size | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | J | I | H | L | K | M | W | U |
| AMU664NL AMU664NLF | 6.04 | 6.26 | 4.12 | 4.09 | 4.25 | 4.25 | 4.81 | 4.81 | PL66 PLA66 | 4.00 | 6.88, 6.75 | 4.91 | 6.75 | 5.70 | 5.53 | 6.72 | 6.50 |
| | 153mm | 159mm | 105mm | 103mm | 108mm | 108mm | 122mm | 122mm | | 102mm | 175, 171mm | 125mm | 171mm | 145mm | 140mm | 171mm | 165mm |
| AMU864NL AMU864NLF | 8.06 | 6.28 | 4.13 | 4.11 | 6.25 | 4.25 | 6.75 | 4.88 | PL86 PLA86 | 4.00 | 8.88, 8.75 | 4.91 | 8.75 | 5.75 | 7.53 | 6.72 | 8.50 |
| | 205mm | 160mm | 105mm | 104mm | 159mm | 108mm | 171mm | 124mm | | 102mm | 222, 226mm | 125mm | 222mm | 146mm | 191mm | 171mm | 216mm |
| AMU1084NL AMU1084NLF | 10.05 | 8.27 | 4.13 | 4.12 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 |
| | 255mm | 210mm | 105mm | 105mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 176mm | 273mm | 197mm | 242mm | 221mm | 267mm |
| ★AMU1086NL AMU1086NLF | 10.04 | 8.26 | 6.13 | 6.10 | 8.25 | 6.25 | 8.75 | 6.88 | PL108 PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 |
| | 255mm | 210mm | 156mm | 155mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 197mm | 242mm | 221mm | 267mm |
| AMU1206NL AMU1206NLF | 12.05 | 10.27 | 6.13 | 6.12 | 10.25 | 8.25 | 10.75 | 8.88 | PL120 PLA120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.75 | 11.53 | 10.72 | 12.50 |
| | 306mm | 261mm | 156mm | 155mm | 260mm | 210mm | 273mm | 226mm | | 203mm | 324mm | 224mm | 323mm | 248mm | 293mm | 272mm | 318mm |
| AMU1426NL AMU1426NLF | 14.05 | 12.27 | 6.13 | 6.11 | 12.25 | 10.25 | 12.75 | 10.88 | PL142 PLA142 | 10.01 | 14.75, 14.62 | 10.82 | 14.70 | 11.75 | 13.53 | 12.72 | 14.50 |
| | 357mm | 312mm | 156mm | 155mm | 311mm | 260mm | 324mm | 276mm | | 254mm | 375, 371mm | 275mm | 373mm | 298mm | 344mm | 323mm | 368mm |
| AMU1648NL AMU1648NLF | 16.05 | 14.27 | 8.14 | 8.09 | 14.25 | 12.25 | 14.75 | 12.88 | P164 PA164 | 12.00 | 16.75 | 11.47 | 16.91 | 13.75 | 15.53 | 14.72 | 16.50 |
| | 408mm | 362mm | 207mm | 205mm | 362mm | 311mm | 375mm | 327mm | | 305mm | 425mm | 291mm | 430mm | 349mm | 394mm | 374mm | 419mm |
| AMU1860NL AMU1860NLF | 18.12 | 16.34 | 10.13 | 10.10 | 16.26 | 14.25 | 16.88 | 14.88 | P186 PA186 | 12.00 | 18.88, 18.76 | 13.72 | 19.16 | 15.75 | 17.78 | 16.97 | 18.75 |
| | 460mm | 415mm | 257mm | 257mm | 413mm | 362mm | 429mm | 378mm | | 305mm | 480, 477mm | 348mm | 487mm | 400mm | 452mm | 431mm | 476mm |
| AMU2060NL AMU2060NLF | 19.87 | 16.09 | 10.14 | 10.09 | 17.81 | 13.81 | 18.44 | 14.44 | P206 PA206 | 10.00 | 21.28 | 13.16 | 20.53 | 15.75 | 19.53 | 16.72 | 20.50 |
| | 505mm | 409mm | 257mm | 256mm | 452mm | 351mm | 468mm | 367mm | | 254mm | 541mm | 334mm | 521mm | 400mm | 496mm | 425mm | 521mm |

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. AMU664NL)
Part numbers with "F" signify factory installed flanges (ex. AMU664NLF)
Additional back panels found on page 128
★Coming soon!

Data subject to change without notice

# AMU Series

## JIC SIZE JUNCTION BOXES



### Cover Type

Viewing Window

### 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 oil refineries, waste water treatment equipment, chemical plants, and many other applications

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment
- Clear polycarbonate viewing window, used in applications where critical electronic equipment must be visible and protected from the elements

## Standards

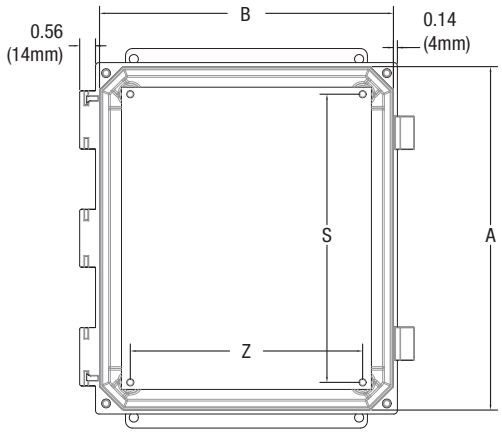
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

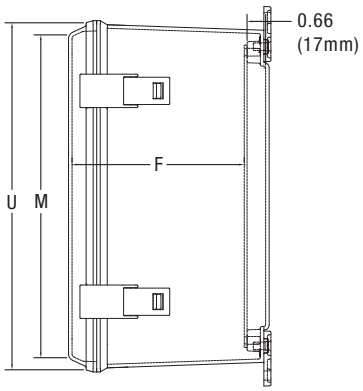
- Compression molded fiberglass reinforced polyester construction with flush, polycarbonate viewing window cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Opaque cover, base, feet, flanges — Light gray color (RAL 7035)
  *Note: foot models mounting hardware supplied in a bag. Flanged models are pre-assembled*
- 316 stainless steel hinge pin and polycarbonate snap latches with padlock hasp (.281" dia.)
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- Polycarbonate foot/flange mounting brackets with 316 stainless steel fasteners
- #10-32 threaded brass inserts are installed for back panel mounting

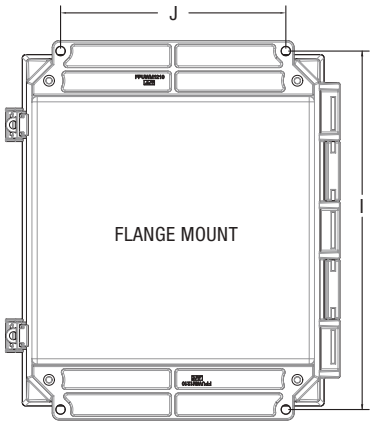
## Accessories & Modifications

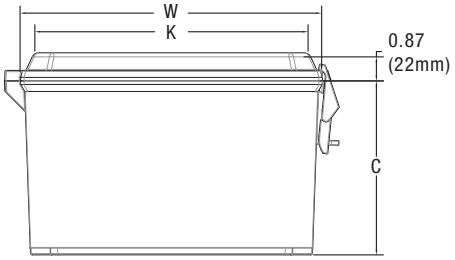
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening



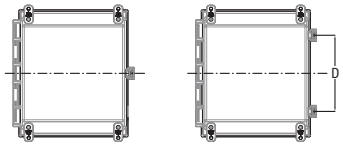

NOTE: COVER REMOVED FOR CLARITY



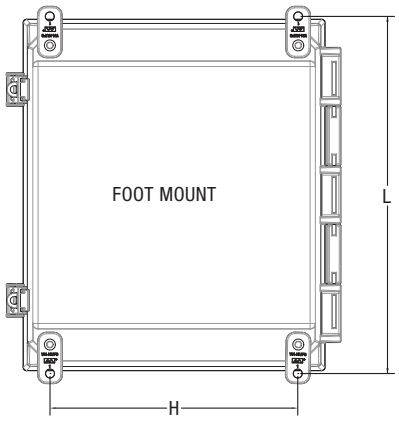




LATCH LOCATIONS




FOR USE ON
6x6x4
8x6x4
10x8x4
10x8x6

FOR USE ON
12x10x6 D=7.50 (199mm)
14x12x6 D=8.00 (203mm)
16x14x8 D=9.00 (229mm)
18x16x10 D=14.56 (370mm)
20x16x10 D=16.81 (427mm)




*Nom. Wall Thickness: .13 (3mm)
16" size: .16 (4mm)
18" & 20" sizes: .19 (5mm)

| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Back Panel Size | | | Flange Mount Centers | | Foot Mount Centers | | Cover Size | | | | Window Dim. (H x W) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | J | I | H | L | K | M | W | U | |
| AMU664NLW<br>AMU664NLWF | 6.04 | 6.26 | 4.13 | 3.99 | 4.25 | 4.25 | 4.81 | 4.81 | PL66<br>PLA66 | 4.00 | 6.88, 6.75 | 4.91 | 6.75 | 5.70 | 5.53 | 6.72 | 6.50 | 3.50 x 3.50 |
| | 153mm | 159mm | 105mm | 101mm | 108mm | 108mm | 122mm | 122mm | | 102mm | 175, 171mm | 125mm | 171mm | 145mm | 140mm | 171mm | 165mm | 89mm x 89mm |
| AMU864NLW<br>AMU864NLWF | 8.06 | 6.28 | 4.13 | 4.00 | 6.25 | 4.25 | 6.75 | 4.88 | PL86<br>PLA86 | 4.00 | 8.88, 8.75 | 4.91 | 8.75 | 5.75 | 7.53 | 6.72 | 8.50 | 5.25 x 4.00 |
| | 205mm | 160mm | 105mm | 102mm | 159mm | 108mm | 171mm | 124mm | | 102mm | 222, 226mm | 125mm | 222mm | 146mm | 191mm | 171mm | 216mm | 133mm x 102mm |
| AMU1084NLW<br>AMU1084NLWF | 10.05 | 8.27 | 4.13 | 4.00 | 8.25 | 6.25 | 8.75 | 6.88 | PL108<br>PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 | 6.25 x 4.25 |
| | 255mm | 210mm | 105mm | 102mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 176mm | 273mm | 197mm | 242mm | 221mm | 267mm | 159mm x 108mm |
| ★AMU1086NLW<br>AMU1086NLWF | 10.04 | 8.26 | 6.13 | 6.10 | 8.25 | 6.25 | 8.75 | 6.88 | PL108<br>PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 | 6.25 x 4.25 |
| | 255mm | 210mm | 156mm | 155mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 197mm | 242mm | 221mm | 267mm | 159mm x 108mm |
| AMU1206NLW<br>AMU1206NLWF | 12.05 | 10.27 | 6.13 | 6.00 | 10.25 | 8.25 | 10.75 | 8.88 | PL120<br>PLA120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.75 | 11.53 | 10.72 | 12.50 | 8.38 x 6.50 |
| | 306mm | 261mm | 156mm | 153mm | 260mm | 210mm | 273mm | 226mm | | 203mm | 324mm | 224mm | 323mm | 248mm | 293mm | 272mm | 318mm | 213mm x 165mm |
| AMU1426NLW<br>AMU1426NLWF | 14.05 | 12.27 | 6.13 | 6.00 | 12.25 | 10.25 | 12.75 | 10.88 | PL142<br>PLA142 | 10.01 | 14.75, 14.62 | 10.82 | 14.70 | 11.75 | 13.53 | 12.72 | 14.50 | 10.38 x 8.51 |
| | 357mm | 312mm | 156mm | 152mm | 311mm | 260mm | 324mm | 276mm | | 254mm | 375, 371mm | 275mm | 373mm | 298mm | 344mm | 323mm | 368mm | 264mm x 216mm |
| AMU1648NLW<br>AMU1648NLWF | 16.05 | 14.27 | 8.14 | 7.99 | 14.25 | 12.25 | 14.75 | 12.88 | P164<br>PA164 | 12.00 | 16.75 | 11.47 | 16.91 | 13.75 | 15.53 | 14.72 | 16.50 | 12.38 x 10.50 |
| | 408mm | 362mm | 207mm | 203mm | 362mm | 311mm | 375mm | 327mm | | 305mm | 425mm | 291mm | 430mm | 349mm | 394mm | 374mm | 419mm | 314mm x 267mm |
| AMU1860NLW<br>AMU1860NLWF | 18.12 | 16.34 | 10.13 | 10.00 | 16.26 | 14.26 | 16.88 | 14.88 | P186<br>PA186 | 12.00 | 18.88, 18.76 | 13.72 | 19.16 | 15.75 | 17.78 | 16.97 | 18.75 | 13.00 x 11.00 |
| | 460mm | 415mm | 257mm | 254mm | 413mm | 362mm | 429mm | 378mm | | 305mm | 480, 477mm | 348mm | 487mm | 400mm | 452mm | 431mm | 476mm | 330mm x 267mm |
| AMU2060NLW<br>AMU2060NLWF | 19.87 | 16.09 | 10.14 | 9.99 | 17.81 | 13.81 | 18.44 | 14.44 | P206<br>PA206 | 10.00 | 21.28 | 13.16 | 20.53 | 15.75 | 19.53 | 16.72 | 20.50 | 14.00 x 12.00 |
| | 505mm | 409mm | 257mm | 254mm | 452mm | 351mm | 468mm | 367mm | | 254mm | 540mm | 334mm | 521mm | 400mm | 496mm | 425mm | 521mm | 356mm x 305mm |

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. AMU664NLW)
Part numbers with "F" signify factory installed flanges (ex. AMU664NLWF)
Additional back panels found on page 128
★Coming soon!

Data subject to change without notice

# AMU 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 oil refineries, waste water treatment equipment, chemical plants, and many other applications

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment
- Clear polycarbonate instrumentation cover, used in applications where critical electronic equipment must be visible and protected from the elements

## Standards

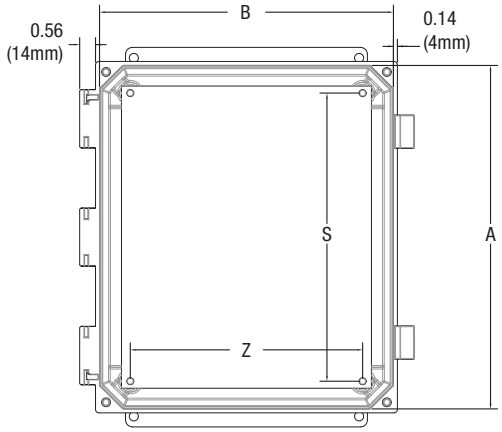
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

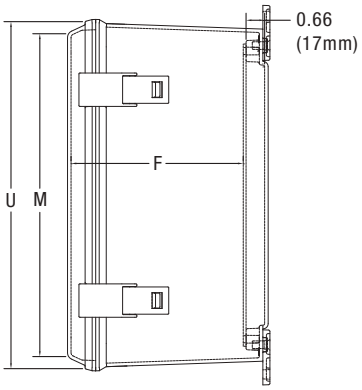
- Compression molded fiberglass reinforced polyester construction with flush, clear polycarbonate cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Enclosure base, feet, flanges — Light gray color (RAL 7035)
  *Note: foot models mounting hardware supplied in a bag. Flanged models are pre-assembled*
- 316 stainless steel hinge pin and polycarbonate snap latches with padlock hasp (.281" dia.)
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- Polycarbonate foot/flange mounting brackets with 316 stainless steel fasteners
- #10-32 threaded brass inserts are installed for back panel mounting

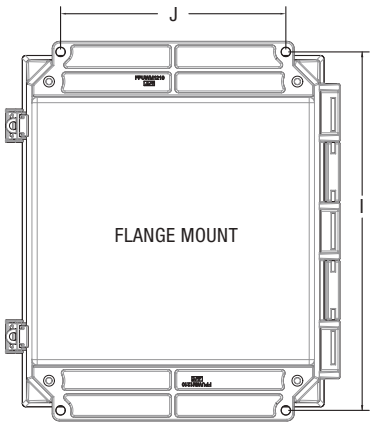
## Accessories & Modifications

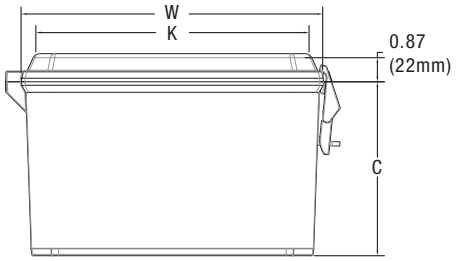
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening



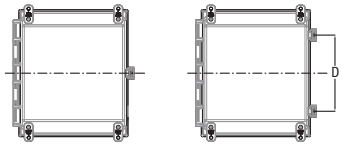

NOTE: COVER REMOVED FOR CLARITY



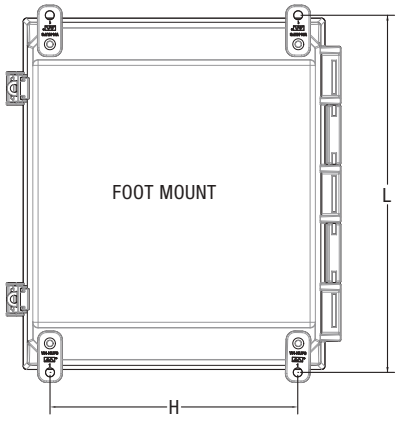




## LATCH LOCATIONS




| FOR USE ON | FOR USE ON |
|---|---|
| 6x6x4 | 12x10x6 D=7.50 (199mm) |
| 8x6x4 | 14x12x6 D=8.00 (203mm) |
| 10x8x4 | 16x14x8 D=9.00 (229mm) |
| 10x8x6 | 20x16x10 D=16.81 (427mm) |




*Nom. Wall Thickness: .13 (3mm)
16" size: .16 (4mm)
18" & 20" sizes: .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 |
| AMU664CCNL<br>AMU664CCNLF | 6.04 | 6.26 | 4.12 | 4.09 | 4.25 | 4.25 | 4.81 | 4.81 | PL66<br>PLA66 | 4.00 | 6.88, 6.75 | 4.91 | 6.75 | 5.70 | 5.53 | 6.72 | 6.50 |
| | 153mm | 159mm | 105mm | 103mm | 108mm | 108mm | 122mm | 122mm | | 102mm | 175, 171mm | 125mm | 171mm | 145mm | 140mm | 171mm | 165mm |
| AMU864CCNL<br>AMU864CCNLF | 8.06 | 6.28 | 4.13 | 4.11 | 6.25 | 4.25 | 6.75 | 4.88 | PL86<br>PLA86 | 4.00 | 8.88, 8.75 | 4.91 | 8.75 | 5.75 | 7.53 | 6.72 | 8.50 |
| | 205mm | 160mm | 105mm | 104mm | 159mm | 108mm | 171mm | 124mm | | 102mm | 222, 226mm | 125mm | 222mm | 146mm | 191mm | 171mm | 216mm |
| ★AMU1084CCNL<br>AMU1084CCNLF | 10.05 | 8.27 | 4.13 | 4.12 | 8.25 | 6.25 | 8.75 | 6.88 | PL108<br>PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 |
| | 255mm | 210mm | 105mm | 105mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 176mm | 273mm | 197mm | 242mm | 221mm | 267mm |
| AMU1086CCNL<br>AMU1086CCNLF | 10.04 | 8.26 | 6.13 | 6.10 | 8.25 | 6.25 | 8.75 | 6.88 | PL108<br>PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 |
| | 255mm | 210mm | 156mm | 155mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 197mm | 242mm | 221mm | 267mm |
| AMU1206CCNL<br>AMU1206CCNLF | 12.05 | 10.27 | 6.13 | 6.12 | 10.25 | 8.25 | 10.75 | 8.88 | PL120<br>PLA120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.75 | 11.53 | 10.72 | 12.50 |
| | 306mm | 261mm | 156mm | 155mm | 260mm | 210mm | 273mm | 226mm | | 203mm | 324mm | 224mm | 323mm | 248mm | 293mm | 272mm | 318mm |
| AMU1426CCNL<br>AMU1426CCNLF | 14.05 | 12.27 | 6.13 | 6.11 | 12.25 | 10.25 | 12.75 | 10.88 | PL142<br>PLA142 | 10.01 | 14.75, 14.62 | 10.82 | 14.70 | 11.75 | 13.53 | 12.72 | 14.50 |
| | 357mm | 312mm | 156mm | 155mm | 311mm | 260mm | 324mm | 276mm | | 254mm | 375, 371mm | 275mm | 373mm | 298mm | 344mm | 323mm | 368mm |
| AMU1648CCNL<br>AMU1648CCNLF | 16.05 | 14.27 | 8.14 | 8.09 | 14.25 | 12.25 | 14.75 | 12.88 | P164<br>PA164 | 12.00 | 16.75 | 11.47 | 16.91 | 13.75 | 15.53 | 14.72 | 16.50 |
| | 408mm | 362mm | 207mm | 205mm | 362mm | 311mm | 375mm | 327mm | | 305mm | 425mm | 291mm | 430mm | 349mm | 394mm | 374mm | 419mm |
| ★AMU2060CCNL<br>AMU2060CCNLF | 19.87 | 16.09 | 10.14 | 10.09 | 17.81 | 13.81 | 18.44 | 14.44 | P206<br>PA206 | 10.00 | 21.28 | 13.16 | 20.53 | 15.75 | 19.53 | 16.72 | 20.50 |
| | 505mm | 409mm | 257mm | 256mm | 452mm | 351mm | 468mm | 367mm | | 254mm | 541mm | 334mm | 521mm | 400mm | 496mm | 425mm | 521mm |

All dimensions are in inches unless otherwise noted
Data subject to change without notice
"I" dimensions with multiple numbers indicate slotted holes
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMU664CCNL)
Part numbers with "F" signify factory installed flanges (ex. AMU664CCNLF)
Additional back panels found on page 128
★Coming soon!

# AMU Series

## JIC SIZE JUNCTION BOXES

### Cover Type

Solid/Opaque

### Closure Type

Twist Latch Hinged Cover

## Application

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

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment

## Standards

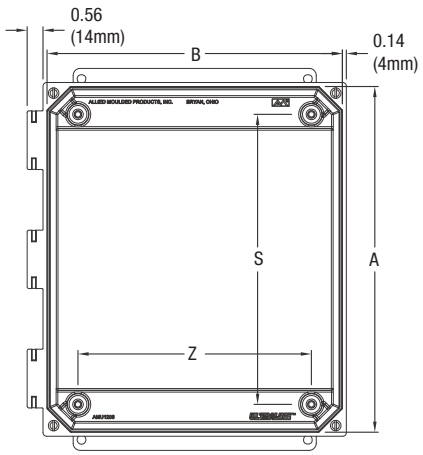
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

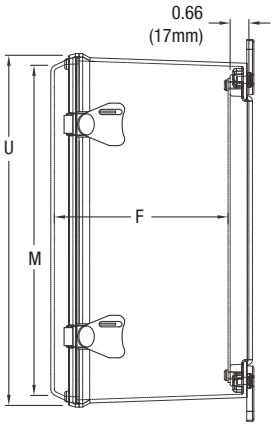
## Construction

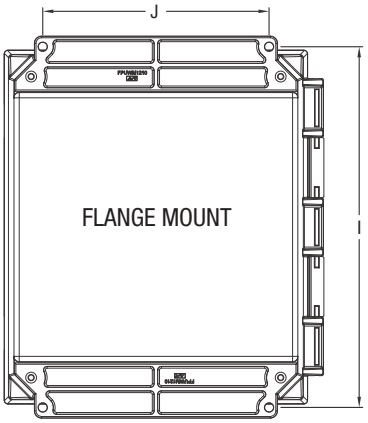
- Compression molded fiberglass reinforced polyester construction with flush, solid/opaque cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Opaque cover, base, feet, flanges — Light gray color (RAL 7035)
  *Note: foot models mounting hardware supplied in a bag. Flanged models are pre-assembled*
- 316 stainless steel hinge pin and twist latches with padlock hasp (.375" dia.)
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- Polycarbonate foot/flange mounting brackets with 316 stainless steel fasteners
- #10-32 threaded brass inserts are installed for back panel mounting

## Accessories & Modifications

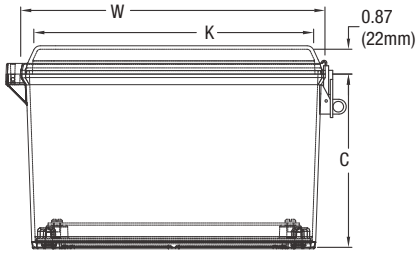
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening



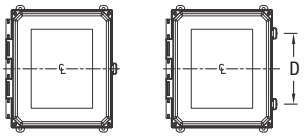



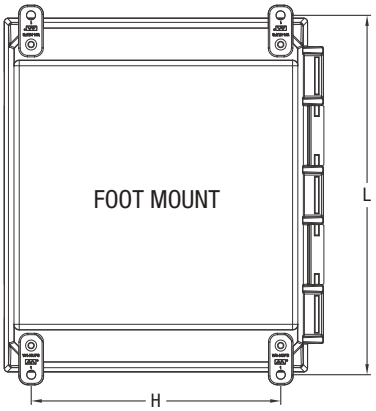

Note: Cover Removed for Clarity




LATCH LOCATIONS




| FOR USE ON | FOR USE ON |
|---|---|
| 6x6x4 | 12x10x6 D=7.50 (191mm) |
| 8x6x4 | 14x12x6 D=8.00 (203mm) |
| 10x8x4 | 16x14x8 D=9.00 (229mm) |
| 10x8x6 | 18x16x10 D=14.56 (370mm) |
| | 20x16x10 D=16.81 (427mm) |




*Nom. Wall Thickness: .13 (3mm)
16" size: .16 (4mm)
18" & 20" sizes: .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 |
| AMU664T<br>AMU664TF | 6.04 | 6.26 | 4.12 | 4.09 | 4.25 | 4.25 | 4.81 | 4.81 | PL66<br>PLA66 | 4.00 | 6.88, 6.75 | 4.91 | 6.75 | 5.70 | 5.53 | 6.72 | 6.50 |
| | 153mm | 159mm | 105mm | 103mm | 108mm | 108mm | 122mm | 122mm | | 102mm | 175, 171mm | 125mm | 171mm | 145mm | 140mm | 171mm | 165mm |
| AMU864T<br>AMU864TF | 8.06 | 6.28 | 4.13 | 4.11 | 6.25 | 4.25 | 6.75 | 4.88 | PL86<br>PLA86 | 4.00 | 8.88, 8.75 | 4.91 | 8.75 | 5.75 | 7.53 | 6.72 | 8.50 |
| | 205mm | 160mm | 105mm | 104mm | 159mm | 108mm | 171mm | 124mm | | 102mm | 222, 226mm | 125mm | 222mm | 146mm | 191mm | 171mm | 216mm |
| AMU1084T<br>AMU1084TF | 10.05 | 8.27 | 4.13 | 4.12 | 8.25 | 6.25 | 8.75 | 6.88 | PL108<br>PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 |
| | 255mm | 210mm | 105mm | 105mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 176mm | 273mm | 197mm | 242mm | 221mm | 267mm |
| ★ AMU1086T<br>AMU1086TF | 10.04 | 8.26 | 6.13 | 6.10 | 8.25 | 6.25 | 8.75 | 6.88 | PL108<br>PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 |
| | 255mm | 210mm | 156mm | 155mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 197mm | 242mm | 221mm | 267mm |
| AMU1206T<br>AMU1206TF | 12.05 | 10.27 | 6.13 | 6.12 | 10.25 | 8.25 | 10.75 | 8.88 | PL120<br>PLA120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.75 | 11.53 | 10.72 | 12.50 |
| | 306mm | 261mm | 156mm | 155mm | 260mm | 210mm | 273mm | 226mm | | 203mm | 324mm | 224mm | 323mm | 248mm | 293mm | 272mm | 318mm |
| AMU1426T<br>AMU1426TF | 14.05 | 12.27 | 6.13 | 6.11 | 12.25 | 10.25 | 12.75 | 10.88 | PL142<br>PLA142 | 10.01 | 14.75, 14.62 | 10.82 | 14.70 | 11.75 | 13.53 | 12.72 | 14.50 |
| | 357mm | 312mm | 156mm | 155mm | 311mm | 260mm | 324mm | 276mm | | 254mm | 375, 371mm | 275mm | 373mm | 298mm | 344mm | 323mm | 368mm |
| AMU1648T<br>AMU1648TF | 16.05 | 14.27 | 8.14 | 8.09 | 14.25 | 12.25 | 14.75 | 12.88 | P164<br>PA164 | 12.00 | 16.75 | 11.47 | 16.91 | 13.75 | 15.53 | 14.72 | 16.50 |
| | 408mm | 362mm | 207mm | 205mm | 362mm | 311mm | 375mm | 327mm | | 305mm | 425mm | 291mm | 430mm | 349mm | 394mm | 374mm | 419mm |
| AMU1860T<br>AMU1860TF | 18.12 | 16.34 | 10.13 | 10.10 | 16.26 | 14.25 | 16.88 | 14.88 | P186<br>PA186 | 12.00 | 18.88, 18.76 | 13.72 | 19.16 | 15.75 | 17.78 | 16.97 | 18.75 |
| | 460mm | 415mm | 257mm | 257mm | 413mm | 362mm | 429mm | 378mm | | 305mm | 480, 477mm | 348mm | 487mm | 400mm | 452mm | 431mm | 476mm |
| AMU2060T<br>AMU2060TF | 19.87 | 16.09 | 10.14 | 10.09 | 17.81 | 13.81 | 18.44 | 14.44 | P206<br>PA206 | 10.00 | 21.28 | 13.16 | 20.53 | 15.75 | 19.53 | 16.72 | 20.50 |
| | 505mm | 409mm | 257mm | 256mm | 452mm | 351mm | 468mm | 367mm | | 254mm | 541mm | 334mm | 521mm | 400mm | 496mm | 425mm | 521mm |

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. AMU664T)
Part numbers with "F" signify factory installed flanges (ex. AMU664TF)
Additional back panels found on page 128
★Coming soon!

Data subject to change without notice

# AMU Series

## JIC SIZE JUNCTION BOXES

### Cover Type

Viewing Window

### Closure Type

Twist Latch Hinged Cover

## Application

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

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment
- Clear polycarbonate viewing window, used in applications where critical electronic equipment must be visible and protected from the elements

## Standards

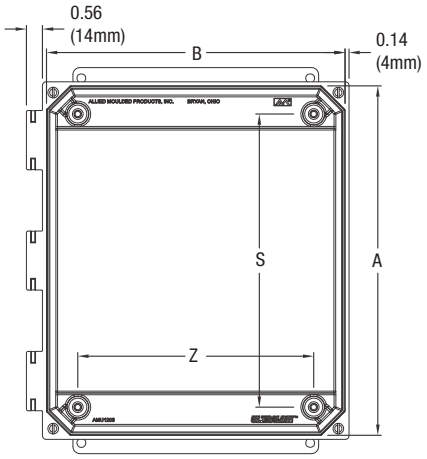
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

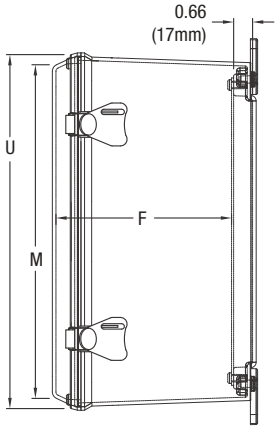
## Construction

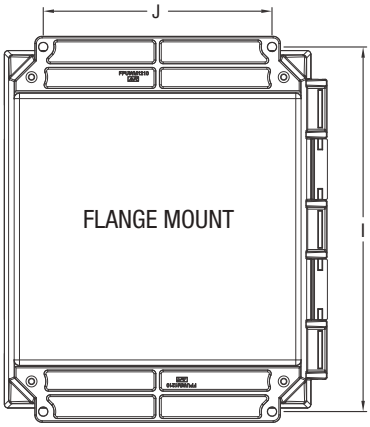
- Compression molded fiberglass reinforced polyester construction with flush, polycarbonate viewing window cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Opaque cover, base, feet, flanges — Light gray color (RAL 7035)
  *Note: foot models mounting hardware supplied in a bag. Flanged models are pre-assembled*
- 316 stainless steel hinge pin and twist latches with padlock hasp (.375" dia.)
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- Polycarbonate foot/flange mounting brackets with 316 stainless steel fasteners
- #10-32 threaded brass inserts are installed for back panel mounting

## Accessories & Modifications

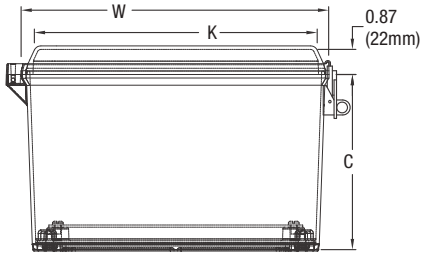
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening



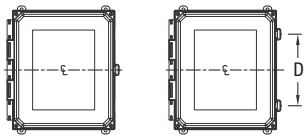



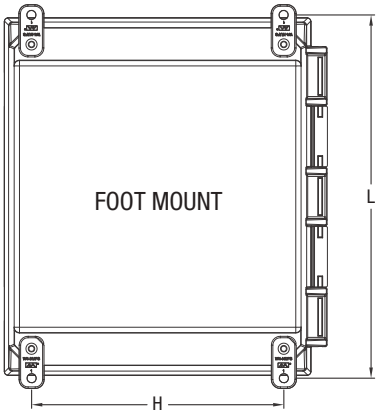

Note: Cover Removed for Clarity




## LATCH LOCATIONS




| FOR USE ON | FOR USE ON |
|---|---|
| 6x6x4 | 12x10x6 D=7.50 (191mm) |
| 8x6x4 | 14x12x6 D=8.00 (203mm) |
| 10x8x4 | 16x14x8 D=9.00 (229mm) |
| 10x8x6 | 18x16x10 D=14.56 (370mm) |
| | 20x16x10 D=16.81 (427mm) |




*Nom. Wall Thickness: .13 (3mm)
16" size: .16 (4mm)
18" & 20" sizes: .19 (5mm)

| Part No. | Box Size | | | Usable Depth | Panel Boss Centers | | Back Panel Size | | | Flange Mount Centers | | Foot Mount Centers | | Cover Size | | | | Window Dim. (H x W) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | S | Z | Ht. | Wid. | P/N | J | I | H | L | K | M | W | U | |
| AMU664TW<br>AMU664TWF | 6.04 | 6.26 | 4.13 | 3.99 | 4.25 | 4.25 | 4.81 | 4.81 | PL66<br>PLA66 | 4.00 | 6.88, 6.75 | 4.91 | 6.75 | 5.70 | 5.53 | 6.72 | 6.50 | 3.50 x 3.50 |
| | 153mm | 159mm | 105mm | 101mm | 108mm | 108mm | 122mm | 122mm | | 102mm | 175, 171mm | 125mm | 171mm | 145mm | 140mm | 171mm | 165mm | 89mm x 89mm |
| AMU864TW<br>AMU864TWF | 8.06 | 6.28 | 4.13 | 4.00 | 6.25 | 4.25 | 6.75 | 4.88 | PL86<br>PLA86 | 4.00 | 8.88, 8.75 | 4.91 | 8.75 | 5.75 | 7.53 | 6.72 | 8.50 | 5.25 x 4.00 |
| | 205mm | 160mm | 105mm | 102mm | 159mm | 108mm | 171mm | 124mm | | 102mm | 222, 226mm | 125mm | 222mm | 146mm | 191mm | 171mm | 216mm | 133mm x 102mm |
| AMU1084TW<br>AMU1084TWF | 10.05 | 8.27 | 4.13 | 4.00 | 8.25 | 6.25 | 8.75 | 6.88 | PL108<br>PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 | 6.25 x 4.25 |
| | 255mm | 210mm | 105mm | 102mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 176mm | 273mm | 197mm | 242mm | 221mm | 267mm | 159mm x 108mm |
| ★AMU1086TW<br>AMU1086TWF | 10.04 | 8.26 | 6.13 | 6.10 | 8.25 | 6.25 | 8.75 | 6.88 | PL108<br>PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 | 6.25 x 4.25 |
| | 255mm | 210mm | 156mm | 155mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 197mm | 242mm | 221mm | 267mm | 159mm x 108mm |
| AMU1206TW<br>AMU1206TWF | 12.05 | 10.27 | 6.13 | 6.00 | 10.25 | 8.25 | 10.75 | 8.88 | PL120<br>PLA120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.75 | 11.53 | 10.72 | 12.50 | 8.38 x 6.50 |
| | 306mm | 261mm | 156mm | 153mm | 260mm | 210mm | 273mm | 226mm | | 203mm | 324mm | 224mm | 323mm | 248mm | 293mm | 272mm | 318mm | 213mm x 165mm |
| AMU1426TW<br>AMU1426TWF | 14.05 | 12.27 | 6.13 | 6.00 | 12.25 | 10.25 | 12.75 | 10.88 | PL142<br>PLA142 | 10.01 | 14.75, 14.62 | 10.82 | 14.70 | 11.75 | 13.53 | 12.72 | 14.50 | 10.38 x 8.51 |
| | 357mm | 312mm | 156mm | 152mm | 311mm | 260mm | 324mm | 276mm | | 254mm | 375, 371mm | 275mm | 373mm | 298mm | 344mm | 323mm | 368mm | 264mm x 216mm |
| AMU1648TW<br>AMU1648TWF | 16.05 | 14.27 | 8.14 | 7.99 | 14.25 | 12.25 | 14.75 | 12.88 | P164<br>PA164 | 12.00 | 16.75 | 11.47 | 16.91 | 13.75 | 15.53 | 14.72 | 16.50 | 12.38 x 10.50 |
| | 408mm | 362mm | 207mm | 203mm | 362mm | 311mm | 375mm | 327mm | | 305mm | 425mm | 291mm | 430mm | 349mm | 394mm | 374mm | 419mm | 314mm x 267mm |
| AMU1860TW<br>AMU1860TWF | 18.12 | 16.34 | 10.13 | 10.00 | 16.26 | 14.26 | 16.88 | 14.88 | P186<br>PA186 | 12.00 | 18.88, 18.76 | 13.72 | 19.16 | 15.75 | 17.78 | 16.97 | 18.75 | 13.00 x 11.00 |
| | 460mm | 415mm | 257mm | 254mm | 413mm | 362mm | 429mm | 378mm | | 305mm | 480, 477mm | 348mm | 487mm | 400mm | 452mm | 431mm | 476mm | 330mm x 267mm |
| AMU2060TW<br>AMU2060TWF | 19.87 | 16.09 | 10.14 | 9.99 | 17.81 | 13.81 | 18.44 | 14.44 | P206<br>PA206 | 10.00 | 21.28 | 13.16 | 20.53 | 15.75 | 19.53 | 16.72 | 20.50 | 14.00 x 12.00 |
| | 505mm | 409mm | 257mm | 254mm | 452mm | 351mm | 468mm | 367mm | | 254mm | 540mm | 334mm | 521mm | 400mm | 496mm | 425mm | 521mm | 356mm x 305mm |

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. AMU664TW)
Part numbers with "F" signify factory installed flanges (ex. AMU664TWF)
Additional back panels found on page 128
★Coming soon!

Data subject to change without notice

# AMU Series

## JIC SIZE JUNCTION BOXES

### Cover Type

Clear Polycarbonate

### Closure Type

Twist Latch Hinged Cover

## Application

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

- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment
- Clear polycarbonate instrumentation cover, used in applications where critical electronic equipment must be visible and protected from the elements

## Standards

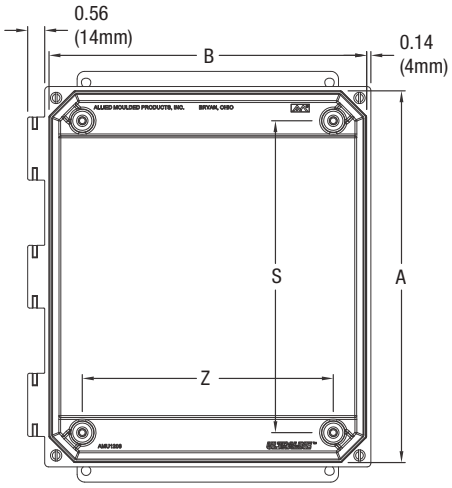
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

## Construction

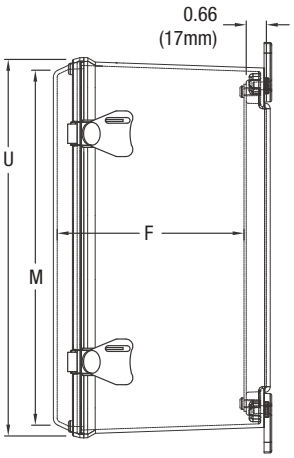
- Compression molded fiberglass reinforced polyester construction with flush, clear polycarbonate cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Enclosure base, feet, flanges — Light gray color (RAL 7035)
  *Note: foot models mounting hardware supplied in a bag. Flanged models are pre-assembled*
- 316 stainless steel hinge pin and twist latches with padlock hasp (.375" dia.)
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- Polycarbonate foot/flange mounting brackets with 316 stainless steel fasteners
- #10-32 threaded brass inserts are installed for back panel mounting

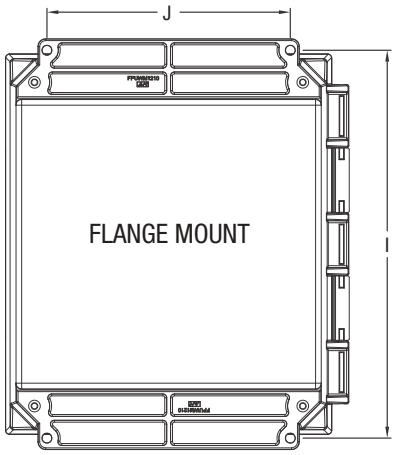
## Accessories & Modifications

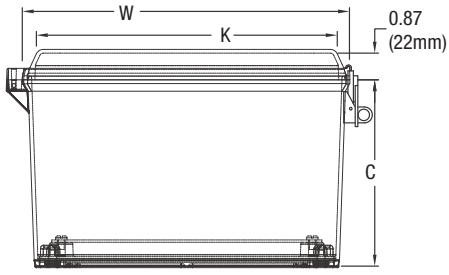
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening



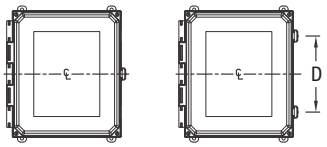

Note: Cover Removed for Clarity



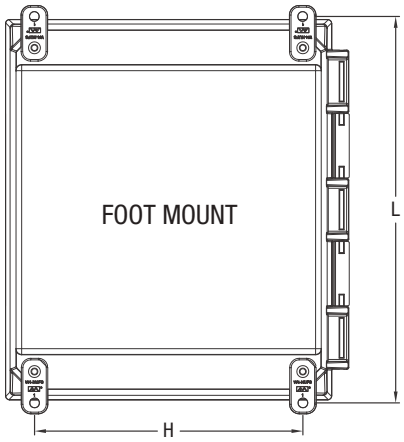




## LATCH LOCATIONS




| FOR USE ON | FOR USE ON |
|---|---|
| 6x6x4 | 12x10x6 D=7.50 (191mm) |
| 8x6x4 | 14x12x6 D=8.00 (203mm) |
| 10x8x4 | 16x14x8 D=9.00 (229mm) |
| 10x8x6 | 20x16x10 D=16.81 (427mm) |




***Nom. Wall Thickness: .13 (3mm)**
**16" size: .16 (4mm)**
**18" & 20" sizes: .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 |
| AMU664CCT<br>AMU664CCTF | 6.04 | 6.26 | 4.12 | 4.09 | 4.25 | 4.25 | 4.81 | 4.81 | PL66<br>PLA66 | 4.00 | 6.88, 6.75 | 4.91 | 6.75 | 5.70 | 5.53 | 6.72 | 6.50 |
| | 153mm | 159mm | 105mm | 103mm | 108mm | 108mm | 122mm | 122mm | | 102mm | 175, 171mm | 125mm | 171mm | 145mm | 140mm | 171mm | 165mm |
| AMU864CCT<br>AMU864CCTF | 8.06 | 6.28 | 4.13 | 4.11 | 6.25 | 4.25 | 6.75 | 4.88 | PL86<br>PLA86 | 4.00 | 8.88, 8.75 | 4.91 | 8.75 | 5.75 | 7.53 | 6.72 | 8.50 |
| | 205mm | 160mm | 105mm | 104mm | 159mm | 108mm | 171mm | 124mm | | 102mm | 222, 226mm | 125mm | 222mm | 146mm | 191mm | 171mm | 216mm |
| AMU1084CCT<br>AMU1084CCTF | 10.05 | 8.27 | 4.13 | 4.12 | 8.25 | 6.25 | 8.75 | 6.88 | PL108<br>PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 |
| | 255mm | 210mm | 105mm | 105mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 176mm | 273mm | 197mm | 242mm | 221mm | 267mm |
| ★AMU1086CCT<br>AMU1086CCTF | 10.04 | 8.26 | 6.13 | 6.10 | 8.25 | 6.25 | 8.75 | 6.88 | PL108<br>PLA108 | 6.00 | 10.75 | 6.91 | 10.75 | 7.75 | 9.53 | 8.72 | 10.50 |
| | 255mm | 210mm | 156mm | 155mm | 210mm | 159mm | 222mm | 175mm | | 152mm | 273mm | 175mm | 273mm | 197mm | 242mm | 221mm | 267mm |
| AMU1206CCT<br>AMU1206CCTF | 12.05 | 10.27 | 6.13 | 6.12 | 10.25 | 8.25 | 10.75 | 8.88 | PL120<br>PLA120 | 8.00 | 12.75 | 8.82 | 12.70 | 9.75 | 11.53 | 10.72 | 12.50 |
| | 306mm | 261mm | 156mm | 155mm | 260mm | 210mm | 273mm | 226mm | | 203mm | 324mm | 224mm | 323mm | 248mm | 293mm | 272mm | 318mm |
| AMU1426CCT<br>AMU1426CCTF | 14.05 | 12.27 | 6.13 | 6.11 | 12.25 | 10.25 | 12.75 | 10.88 | PL142<br>PLA142 | 10.01 | 14.75, 14.62 | 10.82 | 14.70 | 11.75 | 13.53 | 12.72 | 14.50 |
| | 357mm | 312mm | 156mm | 155mm | 311mm | 260mm | 324mm | 276mm | | 254mm | 375, 371mm | 275mm | 373mm | 298mm | 344mm | 323mm | 368mm |
| AMU1648CCT<br>AMU1648CCTF | 16.05 | 14.27 | 8.14 | 8.09 | 14.25 | 12.25 | 14.75 | 12.88 | P164<br>PA164 | 12.00 | 16.75 | 11.47 | 16.91 | 13.75 | 15.53 | 14.72 | 16.50 |
| | 408mm | 362mm | 207mm | 205mm | 362mm | 311mm | 375mm | 327mm | | 305mm | 425mm | 291mm | 430mm | 349mm | 394mm | 374mm | 419mm |
| ★AMU2060CCT<br>AMU2060CCTF | 19.87 | 16.09 | 10.14 | 10.09 | 17.81 | 13.81 | 18.44 | 14.44 | P206<br>PA206 | 10.00 | 21.28 | 13.16 | 20.53 | 15.75 | 19.53 | 16.72 | 20.50 |
| | 505mm | 409mm | 257mm | 256mm | 452mm | 351mm | 468mm | 367mm | | 254mm | 541mm | 334mm | 521mm | 400mm | 496mm | 425mm | 521mm |

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. AMU664CCT)
Part numbers with "F" signify factory installed flanges (ex. AMU664CCTF)
Additional back panels found on page 128
★Coming soon!

Data subject to change without notice