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THINK INSIDE THE BOX™



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Catalog #307IND
2007

Allied Moulded Products, Inc. Fiberglass Enclosures



Brave the Elements with Maximum Protection

NEMA Type 4X Fiberglass Enclosures



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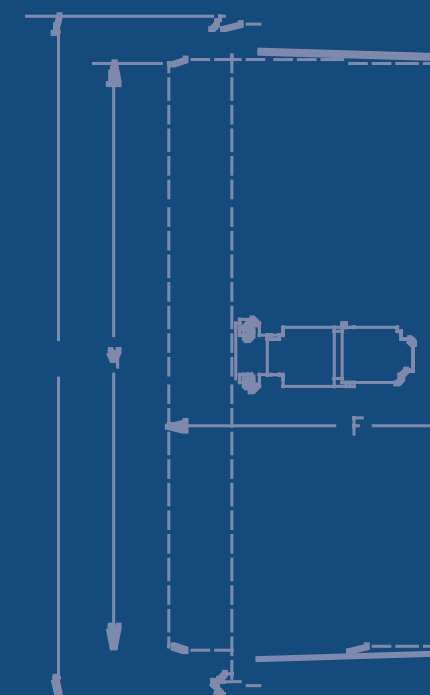
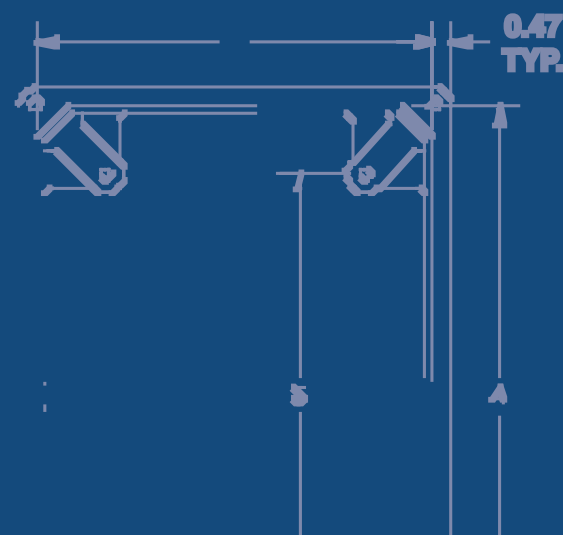
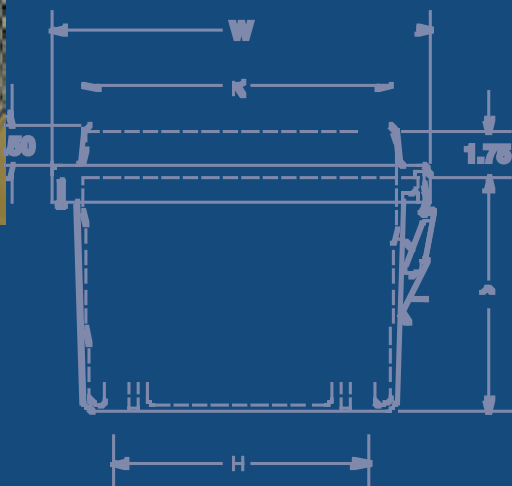
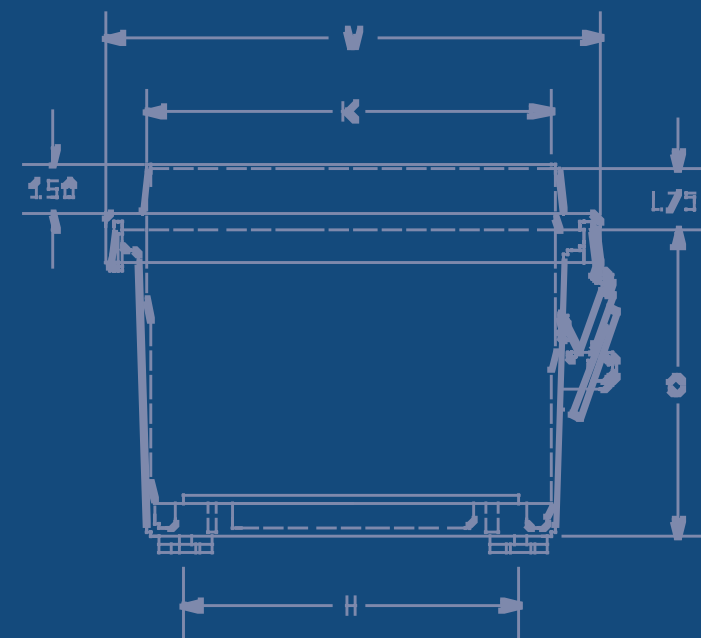
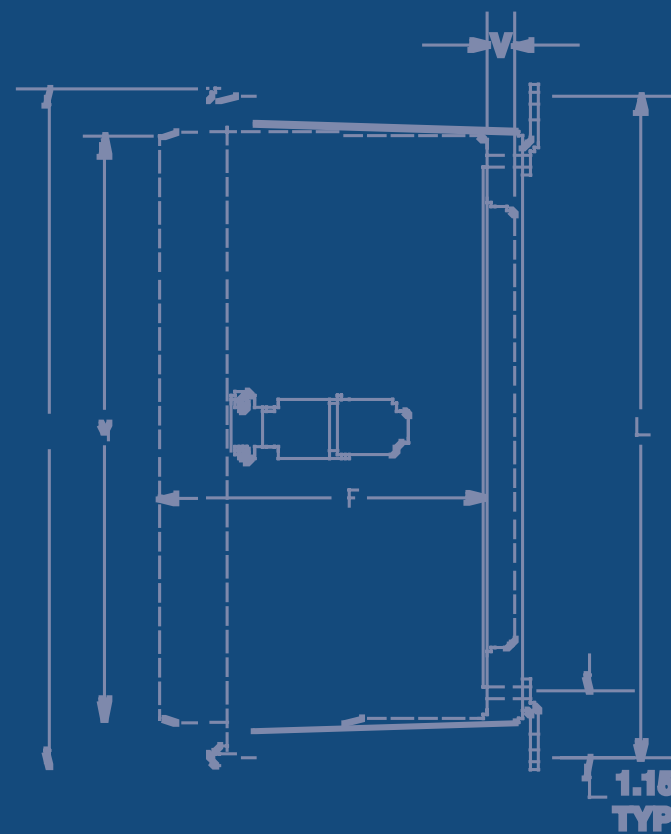
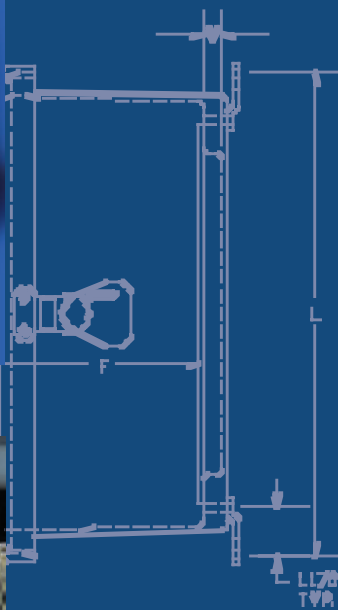


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We Value Your Business and Your Time.

Allied Moulded is committed to providing you with the finest fiberglass enclosures possible and to meeting your needs with a strong focus on service. This catalog has been organized to be a complete and concise reference, helping you find the right product for your job quickly and easily. Should you have questions or desire personal assistance in any way, before or after your order, our courteous, knowledgeable service representatives are available to help you weekdays from 8:00 to 5:00 Eastern Standard Time. Just call Allied Moulded Customer Service at 419-636-4217. Additional information is available 24 hours a day via our web site at www.alliedmoulded.com.

Page Layout

Each page contains all the information you need to determine if a given product is right for your application: typical applications, design features, standards listings, construction specifications, sizes, available accessories, and dimensional drawings.



Table of Contents & Index

The table of contents found at the beginning of the catalog provides an easy way to locate a product by its name. However, all products are also cross-referenced by part number in the index found at the back of this book.

Reference Pages

The following sections have been added and indexed to provide you with a convenient reference when ordering: Industry Standards, Material Specifications, Chemical Resistance Ratings, and Physical Properties of Allied Moulded Enclosures.

**Modification Information**

A wide variety of modifications, including custom colors, holes/cutouts and EMI/RFI shielding, are available on any Allied Moulded enclosures. For more information, see pages 106-108.

**Price Sheet**

For pricing information, consult our price sheet or contact your Allied Moulded Sales Representative. National Sales network contact information is available on our website at www.alliedmoulded.com.



Allied Moulded Products, Inc.

Specialists in Composite Materials

Founded in 1958, Allied Moulded has over 40 years of knowledge and experience molding fiberglass reinforced materials. Allied Moulded is well established within the electrical industry as a quality manufacturer of non-metallic electrical products.

Today, Allied Moulded manufactures a full line of fiberglass enclosures offering all the advantages of non-metallic materials including: increased strength, reduced weight, corrosion resistance, non-conductivity, cost savings and ease of installation. These enclosures have been put to the test in hundreds of demanding applications and dozens of industries worldwide. Our commitment to quality and innovation is well known throughout the electrical industry.



New Manufacturing Facility/ Expanded Product Line

Allied Moulded owns and operates the newest production facility in the United States entirely dedicated to manufacturing fiberglass enclosures. This significant investment reflects our long term commitment to the industry, and meeting your needs. Our line of NEMA Type 4X fiberglass enclosures is continually expanding to ensure our range of sizes, options and features provides maximum protection where you need it most.

Integrated for Exceptional Efficiency

Allied Moulded is vertically integrated for optimum efficiency and control. We formulate our own fiberglass reinforced polyester material, thus it meets our strict quality specifications. From mold design to product fabrication, warehousing to delivery, we handle every aspect of the manufacturing and distribution process. Because everything's done on-site, we're able to produce a high quality product with a significantly reduced turnaround time.



Sizes and Options for Every Application

Every enclosure application has different requirements for size, durability, access, security, and visibility of controls. Allied Moulded offers an extensive variety of sizes, cover options, latch options, back panels, windows and accessories you can combine to create the perfect enclosure solution for any application.



Modifications are our Middle Name

Not only do we offer a full line of standard products from small junction boxes to free-standing cabinets, we're pleased to customize our enclosures to suit your needs. Our on-site operations mean Allied Moulded is equipped to modify any of our standard products with the custom holes or cutouts, windows, EMI/RFI shielding, silk screening or special colors your application requires. We have the lowest volume requirements in the industry, and most modification requests can be fulfilled in less than three weeks.

Your One-Stop-Shop for Quality, Variety, Service & Support

Thanks to our centralized location, integrated delivery system and nationwide sales network, our quality products are backed up by exceptional service and reliable, on-time delivery. Together with our sales agents throughout the country, the Allied Moulded inside sales and engineering team is readily available to assist you with the sales and technical support you need for any project or application. No matter what sizes, options or modifications you're looking for, Allied Moulded is truly your one-stop enclosure shop.



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Ultraguard® Material Formulation

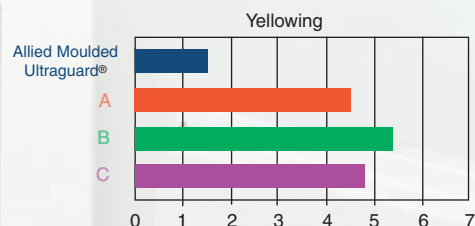
Ultraguard® -- Allied Moulded's new proprietary fiberglass reinforced polyester material formulation.

Allied's Materials Research and Development laboratory successfully optimized ingredients to create a formulation with the ability to resist the effects of UV degradation. The formulation was developed through the effective use of UV absorbers that provide protection by physically absorbing light in specific ranges of wavelengths, HALS (Hindered Amine Light Stabilizers), and antioxidants. Together, all three classes of stabilizers provide specific protection to modes of failure associated with outdoor exposure.

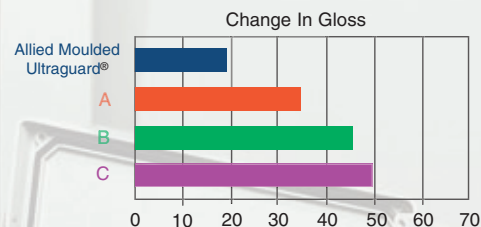
Ultraguard® Versus the Competition

Allied's new Ultraguard® formulation out performed materials used by three leading fiberglass enclosure manufacturers. The following four key areas were benchmarked, with Ultraguard® easily coming out on top:

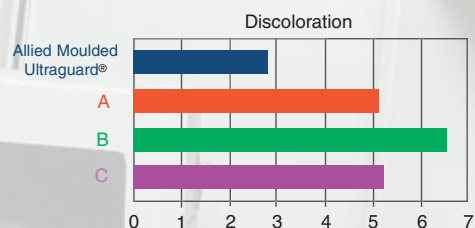
Yellowing (Delta b-change from original)
65-70% improvement over leading competitive enclosure manufacturers.



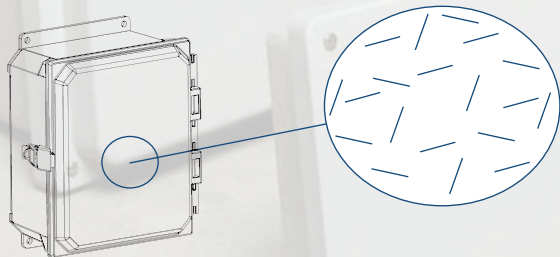
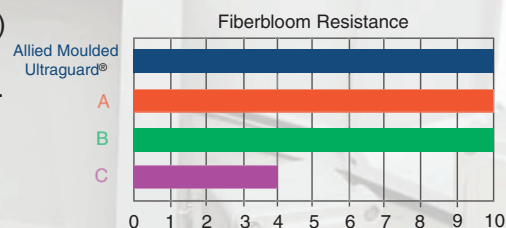
Change In Gloss (% change from original)
44-62% improvement over leading competitive enclosure manufacturers.



Discoloration (Delta E-change from original)
44-57% improvement over leading competitive enclosure manufacturers.



Fiberbloom resistance (change in aesthetics and texture)
60% improvement over one competitor.
Equivalent results compared to two remaining competitors.

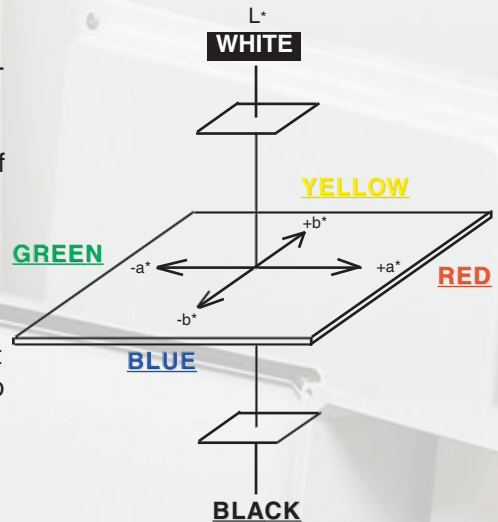


Ultraguard® - How It Benefits Customers

Allied Moulded's new Ultraguard® formulation, while retaining its already robust structural integrity, now has an enhanced surface finish with improved aesthetics. Based upon customer feedback, Allied Moulded recognized an increased number of customer applications requiring outdoor capability and the related challenges to non-metallic enclosure designs. This is why Allied Moulded chose to invest in continuous improvement of our material formulations. Customer applications often require enclosures to be mounted on expensive systems where aesthetic appearance is critical. Changes in enclosure color, texture, and gloss in these applications are not acceptable. Fiberbloom, for example, not only is aesthetically unattractive, but can also be an issue if people come in physical contact with the enclosure surface. Literally defined, fiberbloom is degradation of the polyester compound surface during long-term outdoor exposure, resulting in the eventual exposure of glass fibers. Fiberbloom does not affect the structural integrity or NEMA rating of the enclosures.

Ultraguard® - How The Results Were Proven

Allied Moulded's Materials R&D lab team accepted the continuous improvement project challenge of finding a synergistic combination of compounds that would improve material resistance to color change, gloss change, surface degradation, and exposure of surface glass particles. They successfully met the challenge of maintaining standard material characteristics: UL 94 5V flame test standards and RoHS directive (Restriction of Hazardous Substances). The new formulation also does not contain antimony or halogens, which reduce the risk of smoke borne toxicity. Allied's research and development lab replaced subjective test results found in normal field testing with objective test results that were achieved with industry accepted lab equipment. Internal lab tests and outsourced "Independent Lab" testing (Q-lab Weathers Research Service) was conducted with a QUV accelerated weathering tester. Gloss readings were recorded using a BYK Micro Tri-Gloss machine and color data was recorded using a Hunter Lab ColorQuest sphere instrument. All test results were obtained and reported per ASTM & ISO standards.



L* a* b* Color Space - Instrumental color readings utilize three numbers to describe a color baseline.

Ultraguard® Versus Steel Enclosures

While outdoor exposure appears to present problems for non-metal enclosures, there are many other reasons why non-metal enclosures are strongly preferred and why they actually provide better solutions. Weight, corrosion, ease of modification, resistance to dents and loss of seal integrity are all key issues that must be considered when choosing between non-metal and steel enclosures. Ultraguard® FRP is the preferred alternative.





The Fiberglass Advantage.

Fiberglass—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. Please make reference to our performance comparison chart of enclosure materials on page 9.

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.

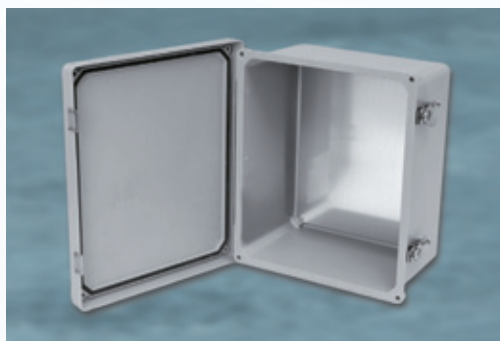


Compare them and you'll discover that fiberglass reinforced polyester enclosures are:

- 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 non-metallic 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

Industry Standards

Enclosure Ratings

In order to assist in the selection of an enclosure, rating classifications have been established by the National Electrical Manufacturers Association (NEMA). These ratings identify the ability of the enclosure to provide a degree of protection against incidental contact with the enclosed equipment and protection to the enclosed equipment from environmental elements such as dirt, dust, water and other corrosive agents. Underwriters Laboratories (UL) and the Canadian Standards Association (CSA) are widely recognized testing organizations that perform enclosure product testing to these standards and provide regular follow up service to ensure that manufacturers conform to established product and manufacturing specifications.

These ratings, however, are intended to be used only as a guide. To ensure a proper choice, it is recommended that an assessment of the application and environment be conducted before product selection.

NEMA 1

Indoor use to provide a degree of protection against falling dirt.

NEMA 2

Indoor use to provide a degree of protection against limited amounts of falling water and dirt.

NEMA 3

Indoor or outdoor use to provide a degree of protection against falling dirt, rain, sleet, snow and wind-blown dust; and that will be undamaged by the external formation of ice on the enclosure.

NEMA 3R

Indoor or outdoor use to provide a degree of protection against falling dirt, rain, sleet and snow; and that will be undamaged by the external formation of ice on the enclosure.

NEMA 4

Indoor or outdoor use to provide a degree of protection against falling dirt, rain, sleet, snow, wind-blown dust, splashing water, hose-directed water; and that will be undamaged by the external formation of ice on the enclosure.

NEMA 4X

Indoor or outdoor use to provide a degree of protection against falling dirt, rain, sleet, snow, wind-blown dust, splashing water, hose-directed water and corrosion; and that will be undamaged by the external formation of ice on the enclosure.

NEMA 12

Indoor use to provide a degree of protection against falling dirt; circulating dust, lint, fibers and flyings; and dripping and light splashing of liquids.

NEMA 13

Indoor use to provide a degree of protection against falling dirt; circulating dust, lint, fibers and flyings; and spraying and seepage of water, oil and non-corrosive coolants.

International Standards IP Protection Classification Data

The first digit character represents the degree of protection against a person's contact with live parts and the protection of the equipment against the ingress of solid foreign bodies. The second digit represents the degree of protection against the ingress of liquids. Both of these values are represented in ascending value with the larger number equaling the greatest protection.

First Digit

<i>IP</i>	<i>Test</i>
0	No protection
1	Protection against solid bodies larger than 50 mm (for example accidentally touching with the hand)
2	Protection against solid bodies larger than 12 mm (for example a finger)
3	Protection against solid bodies larger than 2.5 mm (tools, wires)
4	Protection against solid bodies larger than 1 mm (tools, wires)
5	Protection against dust (no harmful deposits)
6	Complete protection against dust

Second Digit

<i>IP</i>	<i>Test</i>
0	No protection
1	Protection against vertical water drops and condensation
2	Protection against water drops up to 15° from the vertical
3	Protected against rain up to 60° from the vertical
4	Protected against water splashing from a hose from all directions
5	Protected against water sprayed from a hose from all directions
6	Protected against water projections similar to sea wave splashes
7	Protected against the effects of immersion
8	Protected against effects of prolonged immersion under pressure



AMU Series

Ultraline® comes standard with “industry exclusive” mounting options including an out of the box mounting flange or adjustable mounting feet to cover various mounting configurations. Featuring molded latch keepers, a tongue and groove seal design, and a flange design that can be retrofit to competition, Ultraline is the ultimate in fiberglass enclosures. A clear polycarbonate cover option is also available for instrumentation applications where critical electronic equipment must be visible and protected from the elements.

AM Series Features & Benefits

- Patent pending “Industry Exclusive” multi-mounting capability
 - Out-of-the-box flange design – factory installed
 - Flange mount hole pattern match “VJ”, “J”, and “A” series competitive foot prints
 - Optional foot mount brackets for multi-directional mounting
 - Capable of mounting vertically or horizontally
- Mounting dimensions molded into the enclosure base
- Durable polycarbonate feet/flanges withstand cracking during wall mount assembly
- Feet and Flanges act as an enclosure pad on uneven surfaces without allowing it to be drawn down and bind, or crack
- Feet and Flange pads also allow air space between the enclosure and a warm machine or mounting wall



- Cover/Base design
 - Flush, aesthetically pleasing, modern architecture
- Clear polycarbonate instrumentation cover where critical electronic equipment must be visible and protected from the elements
- Solid/opaque covers come with a drill point pattern inside for hole modifications when required



- Molded hinge and latch keeper designs eliminate wall penetrations

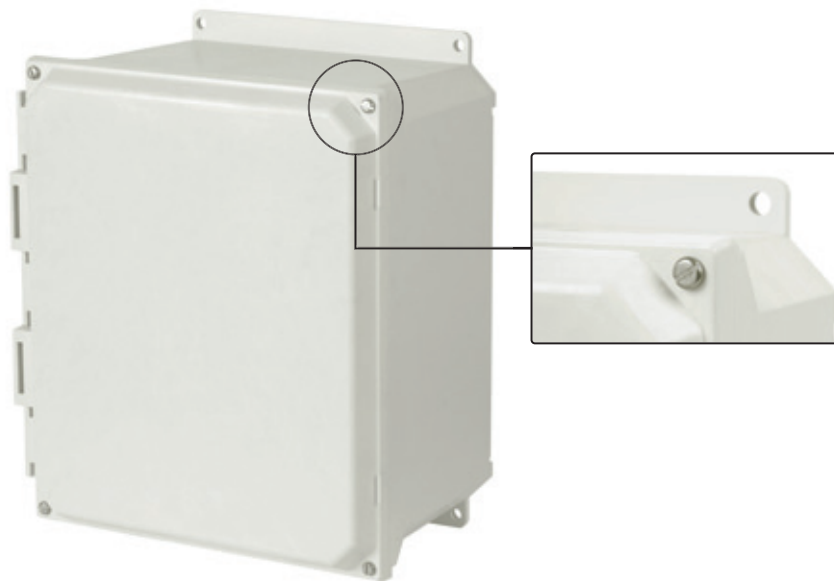


- Tongue and groove, closed cell neoprene seal design for NEMA Type 4X rating



- Eight Sizes ranging from 6x6x4 through 20x16x10
- UL® listed and CSA certified
- Allied Moulded Ultraguard® fiberglass reinforced polyester material formulation
- Compliant with RoHS directive (Restriction of Hazardous Substances)





AMU Series JIC Size Junction Boxes: Lift-Off Screw Cover - Solid/Opaque

A P P L I C A T I O N

- Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, and chemical plants
- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil, and water
- For use with industrial control equipment in ordinary locations

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 Specifications
- UL® 508 and UL® 50 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified file LR 89590-1
- Enclosure flammability rating per UL® 508
- Joint Industrial Council (JIC) enclosure sizing
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

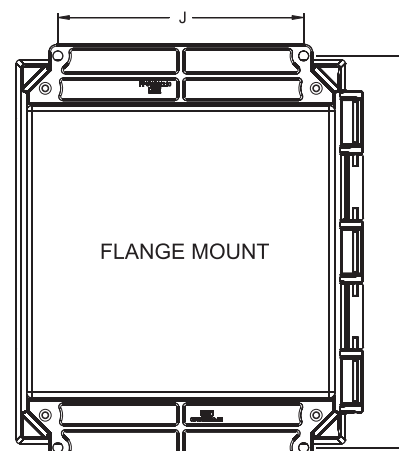
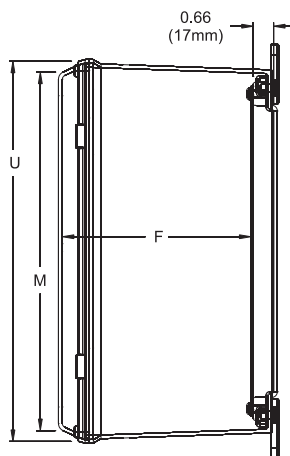
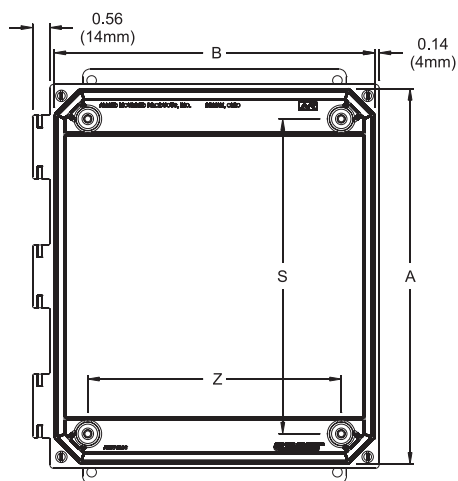
- Compression molded fiberglass reinforced polyester construction with flush, solid/opaque cover
- Allied Moulded Ultraguard® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Light gray color (RAL 7035)
- 304 stainless steel captive cover screws
- Gasket made of closed cell neoprene cord encased in a continuous tongue and groove channel
- Polycarbonate flanges (installed) and mounting feet (bagged) with four 304 stainless steel screws
- 10-32 threaded brass inserts are installed for back panel mounting

A C C E S S O R I E S

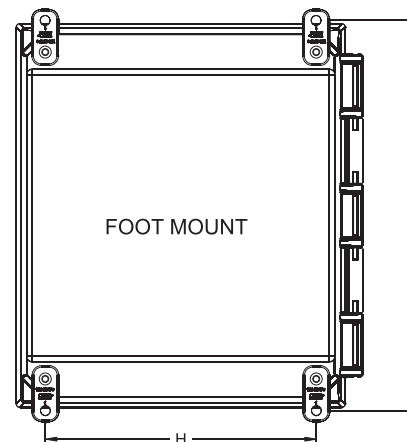
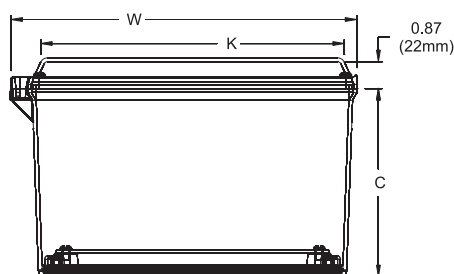
- Optional back panels and hinged front panels
- Optional thermal management products

M O D I F I C A T I O N S

- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matches
- EMI/RFI shielding
- Factory-supplied silk screening



Note: Cover Removed for Clarity



Part No.	Box Size			Usable Depth F	Panel Boss Centers		Flange Mount Centers		Foot Mount Centers		Cover Size				Nom. Wall Thickness
	A	B	C		S	Z	J	I	H	L	K	M	W	U	
AMU664(F*)	6.05 154mm	6.27 159mm	4.13 105mm	4.11 104mm	4.25 108mm	4.25 108mm	4.00 102mm	6.88, 6.75 175, 171mm	4.91 125mm	6.75 171mm	5.89 150mm	5.67 144mm	6.72 171mm	6.50 165mm	0.13 3 mm
AMU864(F*)	8.05 204mm	6.27 159mm	4.13 105mm	4.11 104mm	6.25 159mm	4.25 108mm	4.00 102mm	8.88, 8.75 226, 222mm	4.91 125mm	8.75 222mm	5.89 150mm	7.67 195mm	6.72 171mm	8.50 216mm	0.13 3 mm
AMU1084(F*)	10.05 255mm	8.27 210mm	4.13 105mm	4.11 104mm	8.25 210mm	6.25 159mm	6.00 152mm	10.75 273mm	6.91 176mm	10.75 273mm	7.89 200mm	9.67 246mm	8.72 221mm	10.50 267mm	0.13 3 mm
AMU1206(F*)	12.05 306mm	10.27 261mm	6.13 156mm	6.11 155mm	10.25 260mm	8.25 210mm	8.00 203mm	12.75 324mm	8.82 224mm	12.70 323mm	9.89 251mm	11.67 296mm	10.72 272mm	12.50 318mm	0.13 3 mm
AMU1426(F*)	14.05 357mm	12.27 312mm	6.13 156mm	6.11 155mm	12.25 311mm	10.25 260mm	10.00 254mm	14.75, 14.62 375, 371mm	10.82 275mm	14.70 373mm	11.89 302mm	13.67 347mm	12.72 323mm	14.50 368mm	0.13 3 mm
AMU1648(F*)	16.05 408mm	14.27 362mm	8.13 207mm	8.11 206mm	14.25 362mm	12.25 311mm	12.00 305mm	16.75 425mm	11.47 291mm	16.91 430mm	13.89 353mm	15.67 398mm	14.72 374mm	16.50 419mm	0.14 4 mm
AMU1860(F*)	18.30 465mm	16.52 420mm	10.13 257mm	10.11 257mm	16.25 413mm	14.25 362mm	12.00 305mm	18.88, 18.76 480, 477mm	13.72 348mm	19.16 487mm	16.14 410mm	17.92 455mm	16.97 431mm	18.75 476mm	0.19 5 mm
AMU2060(F*)	20.05 509mm	16.27 413mm	10.13 257mm	10.11 257mm	17.81 452mm	13.81 351mm	10.00 254mm	21.25 540mm	13.16 334mm	20.53 521mm	15.89 404mm	19.67 500mm	16.72 425mm	20.50 521mm	0.19 5 mm

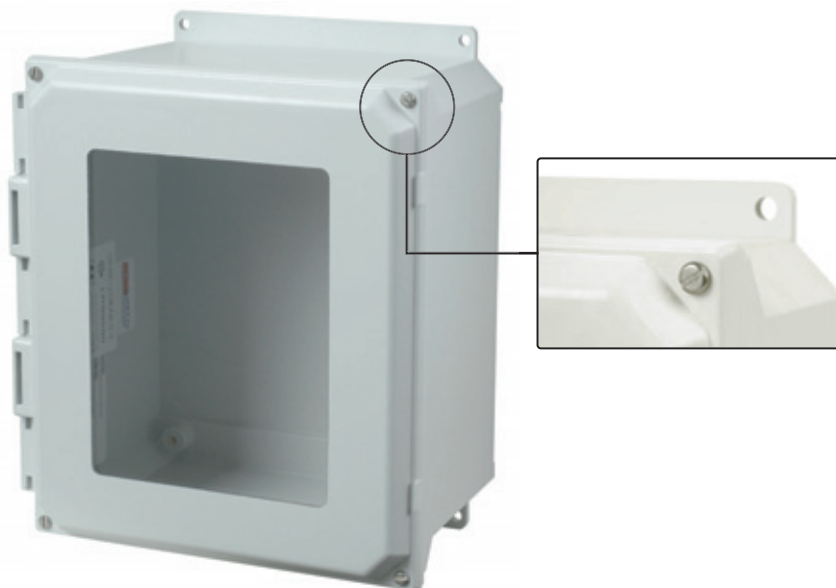
*Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMU664)

Add "F" to the part number for factory installed flanges (ex. AMU664F)

"I" dimensions with multiple numbers indicate slotted holes

All dimensions are in inches unless otherwise noted





AMU Series JIC Size Junction Boxes: Lift-Off Screw Cover with Window

A P P L I C A T I O N

- Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, and chemical plants
- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil, and water
- For use with industrial control equipment in ordinary locations
- Clear/polycarbonate, viewing window used in applications where critical electronic equipment must be visible and protected from the elements

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 Specifications
- UL® 508 and UL® 50 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified file LR 89590-1
- Enclosure flammability rating per UL® 508
- Joint Industrial Council (JIC) enclosure sizing
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

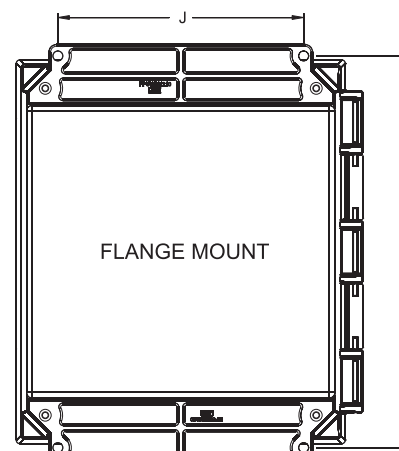
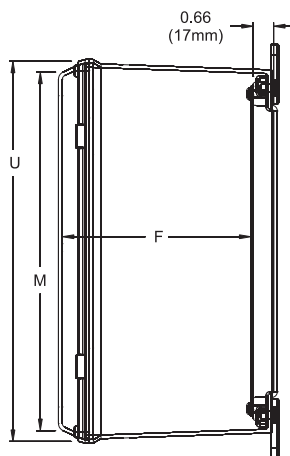
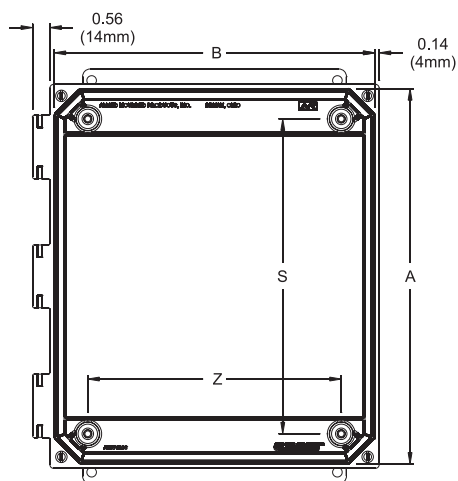
- Compression molded fiberglass reinforced polyester construction with flush, viewing window cover
- Allied Moulded Ultraguard® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Light gray color (RAL 7035)
- Clear, polycarbonate viewing window
- 304 stainless steel captive cover screws
- Gasket made of closed cell neoprene cord encased in a continuous tongue and groove channel
- Polycarbonate flanges (installed) or mounting feet (bagged) with four 304 stainless steel screws
- 10-32 threaded brass inserts are installed for back panel mounting

A C C E S S O R I E S

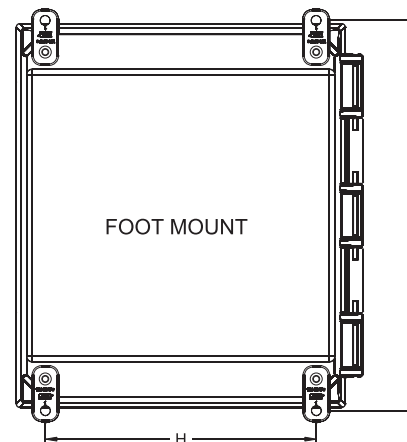
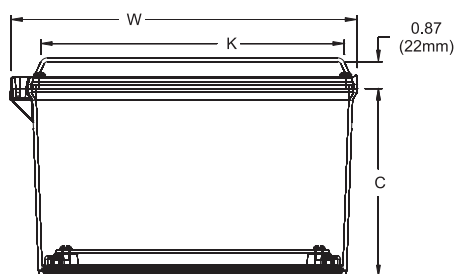
- Optional back panels and hinged front panels
- Optional thermal management products

M O D I F I C A T I O N S

- Custom holes and cutouts
- Molded-in color matches
- EMI/RFI shielding
- Factory-supplied silk screening



Note: Cover Removed for Clarity



Part No.	Box Size			Usable Depth	Panel Boss Centers		Flange Mount Centers		Foot Mount Centers		Cover Size				Nom. Wall Thick.	Window Dimension (height x width)
	A	B	C		F	S	Z	J	I	H	L	K	M	W	U	
AMU664W(F*)	6.05 154mm	6.27 159mm	4.13 105mm	4.11 104mm	4.25 108mm	4.25 108mm	4.00 102mm	6.88, 6.75 175, 171mm	4.91 125mm	6.75 171mm	5.89 150mm	5.67 144mm	6.72 171mm	6.50 165mm	0.13 3 mm	3.50 x 3.50 90 mm x 90 mm
AMU864W(F*)	8.05 204mm	6.27 159mm	4.13 105mm	4.11 104mm	6.25 159mm	4.25 108mm	4.00 102mm	8.88, 8.75 226, 222mm	4.91 125mm	8.75 222mm	5.89 150mm	7.67 195mm	6.72 171mm	8.50 216mm	0.13 3 mm	5.25 x 4.00 133 mm x 102 mm
AMU1084W(F*)	10.05 255mm	8.27 210mm	4.13 105mm	4.11 104mm	8.25 210mm	6.25 159mm	6.00 152mm	10.75 273mm	6.91 176mm	10.75 273mm	7.89 200mm	9.67 246mm	8.72 221mm	10.50 267mm	0.13 3 mm	6.25 x 4.25 159 mm x 108 mm
AMU1206W(F*)	12.05 306mm	10.27 261mm	6.13 156mm	6.11 155mm	10.25 260mm	8.25 210mm	8.00 203mm	12.75 324mm	8.82 224mm	12.70 323mm	9.89 251mm	11.67 296mm	10.72 272mm	12.50 318mm	0.13 3 mm	8.38 x 6.50 213 mm x 165 mm
AMU1426W(F*)	14.05 357mm	12.27 312mm	6.13 156mm	6.11 155mm	12.25 311mm	10.25 260mm	10.00 254mm	14.75, 14.62 375, 371mm	10.82 275mm	14.70 373mm	11.89 302mm	13.67 347mm	12.72 323mm	14.50 368mm	0.13 3 mm	10.38 x 8.50 264 mm x 216 mm
AMU1648W(F*)	16.05 408mm	14.27 362mm	8.13 207mm	8.11 206mm	14.25 362mm	12.25 311mm	12.00 305mm	16.75 425mm	11.47 291mm	16.91 430mm	13.89 353mm	15.67 398mm	14.72 374mm	16.50 419mm	0.14 4 mm	12.38 x 10.50 314 mm x 267 mm
AMU1860W(F*)	18.30 465mm	16.52 420mm	10.13 257mm	10.11 257mm	16.25 413mm	14.25 362mm	12.00 305mm	18.88, 18.76 480, 477mm	13.72 348mm	19.16 487mm	16.14 410mm	17.92 455mm	16.97 431mm	18.75 476mm	0.19 5 mm	13.00 x 11.00 330 mm x 279 mm
AMU2060W(F*)	20.05 509mm	16.27 413mm	10.13 257mm	10.11 257mm	17.81 452mm	13.81 351mm	10.00 254mm	21.25 540mm	13.16 334mm	20.53 521mm	15.89 404mm	19.67 500mm	16.72 425mm	20.50 521mm	0.19 5 mm	14.00 x 12.00 356 mm x 305 mm

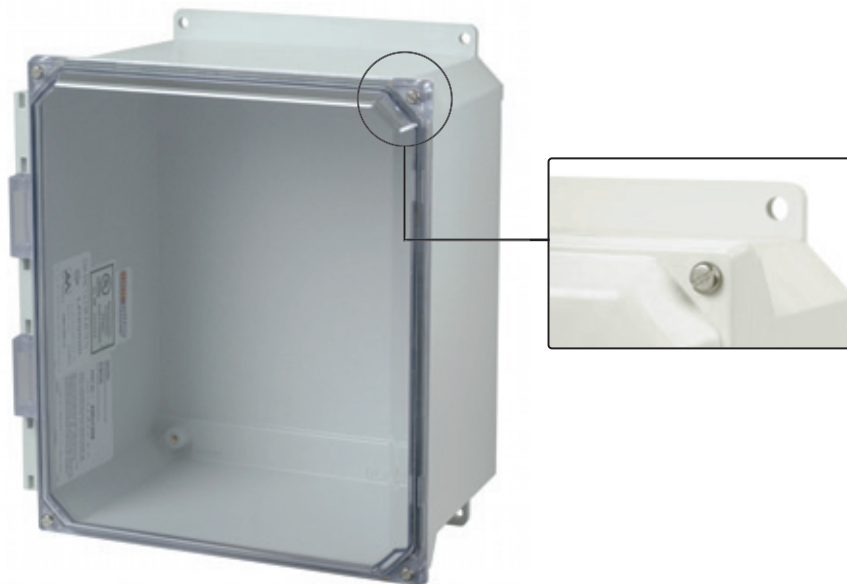
*Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMU664W)

Add "F" to the part number for factory installed flanges (ex. AMU664WF)

"I" dimensions with multiple numbers indicate slotted holes

All dimensions are in inches unless otherwise noted





AMU Series JIC Size Junction Boxes: Lift-Off Screw Cover - Clear Polycarbonate

APPLICATION

- Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, and chemical plants
- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil, and water
- For use with industrial control equipment in ordinary locations
- Clear/polycarbonate, instrumentation cover used in applications where critical electronic equipment must be visible and protected from the elements

STANDARDS

- Construction meets NEMA/EEMAC Type 4, 4X, 12 Specifications
- UL® 508 and UL® 50 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified file LR 89590-1
- Enclosure flammability rating per UL® 508
- Joint Industrial Council (JIC) enclosure sizing
- Compliant with RoHS directive (Restriction of Hazardous Substances)

CONSTRUCTION

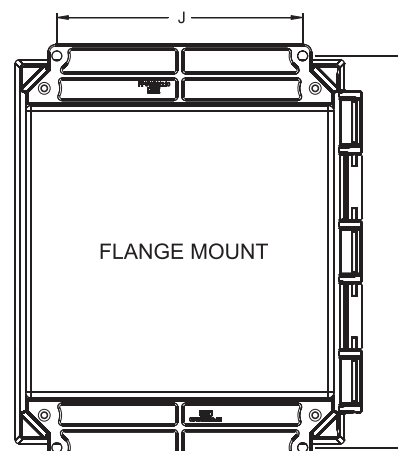
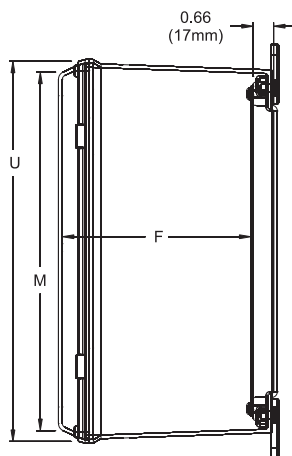
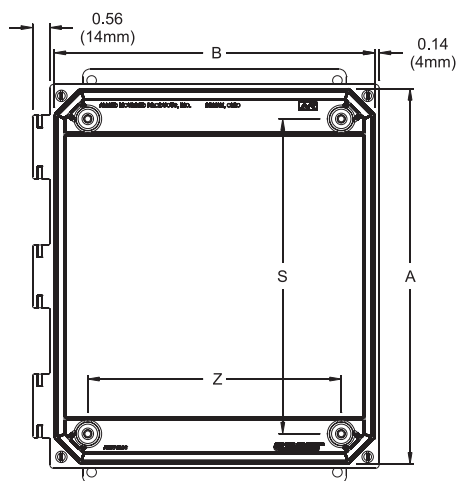
- Compression molded fiberglass reinforced polyester construction with flush, clear polycarbonate cover
- Allied Moulded Ultraguard® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Light gray color (RAL 7035)
- Clear, polycarbonate instrumentation cover
- 304 stainless steel captive cover screws
- Gasket made of closed cell neoprene cord encased in a continuous tongue and groove channel
- Polycarbonate flanges (installed) or mounting feet (bagged) with four 304 stainless steel screws
- 10-32 threaded brass inserts are installed for back panel mounting

ACCESSORIES

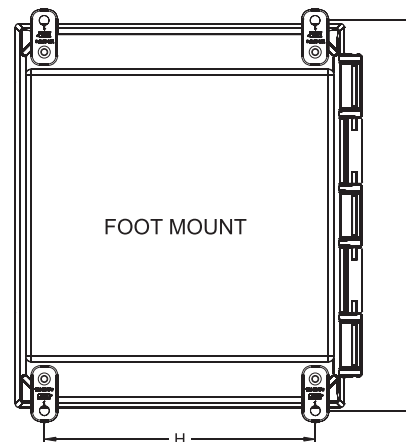
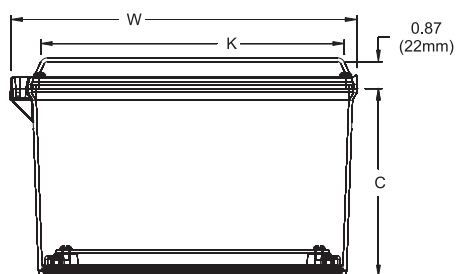
- Optional back panels and hinged front panels
- Optional thermal management products

MODIFICATIONS

- Custom holes and cutouts
- Molded-in color matches
- EMI/RFI shielding
- Factory-supplied silk screening



Note: Cover Removed for Clarity



Part No.	Box Size			Usable Depth	Panel Boss Centers		Flange Mount Centers		Foot Mount Centers		Cover Size				Nom. Wall Thickness
	A	B	C		F	S	Z	J	I	H	L	K	M	W	
AMU664CC(F*)	6.05	6.27	4.13	4.11	4.25	4.25	4.00	6.88, 6.75	4.91	6.75	5.89	5.67	6.72	6.50	0.13
	154mm	159mm	105mm	104mm	108mm	108mm	102mm	175, 171mm	125mm	171mm	150mm	144mm	171mm	165mm	3 mm
AMU864CC(F*)	8.05	6.27	4.13	4.11	6.25	4.25	4.00	8.88, 8.75	4.91	8.75	5.89	7.67	6.72	8.50	0.13
	204mm	159mm	105mm	104mm	159mm	108mm	102mm	226, 222mm	125mm	222mm	150mm	195mm	171mm	216mm	3 mm
AMU1084CC(F*)	10.05	8.27	4.13	4.11	8.25	6.25	6.00	10.75	6.91	10.75	7.89	9.67	8.72	10.50	0.13
	255mm	210mm	105mm	104mm	210mm	159mm	152mm	273mm	176mm	273mm	200mm	246mm	221mm	267mm	3 mm
AMU1206CC(F*)	12.05	10.27	6.13	6.11	10.25	8.25	8.00	12.75	8.82	12.70	9.89	11.67	10.72	12.50	0.13
	306mm	261mm	156mm	155mm	260mm	210mm	203mm	324mm	224mm	323mm	251mm	296mm	272mm	318mm	3 mm
AMU1426CC(F*)	14.05	12.27	6.13	6.11	12.25	10.25	10.00	14.75, 14.62	10.82	14.70	11.89	13.67	12.72	14.50	0.13
	357mm	312mm	156mm	155mm	311mm	260mm	254mm	375, 371mm	275mm	373mm	302mm	347mm	323mm	368mm	3 mm
AMU1648CC(F*)	16.05	14.27	8.13	8.11	14.25	12.25	12.00	16.75	11.47	16.91	13.89	15.67	14.72	16.50	0.14
	408mm	362mm	207mm	206mm	362mm	311mm	305mm	425mm	291mm	430mm	353mm	398mm	374mm	419mm	4 mm

*Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMU664CC)

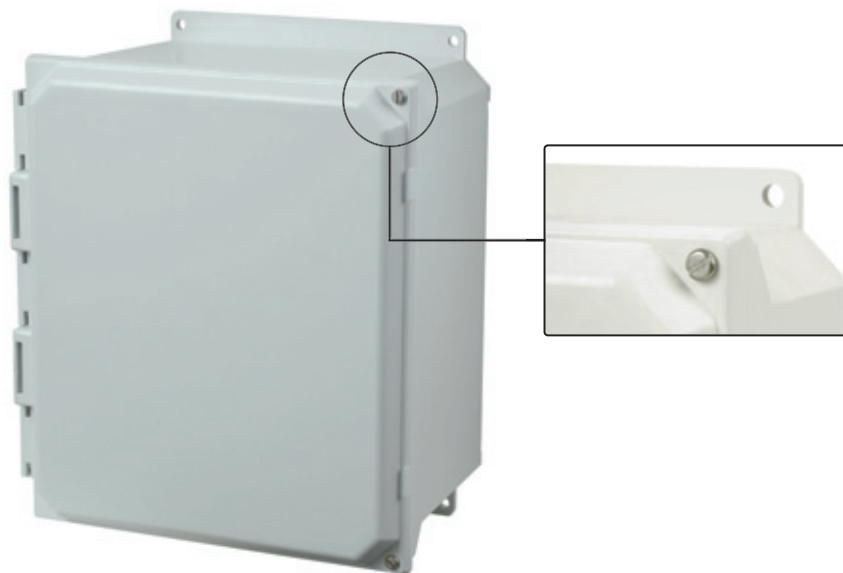
Add "F" to the part number for factory installed flanges (ex. AMU664CCF)

"I" dimensions with multiple numbers indicate slotted holes

All dimensions are in inches unless otherwise noted



Order Today: 419-636-4217, Fax: 419-636-2450, e-mail: sales@alliedmoulded.com



AMU Series JIC Size Junction Boxes: Hinged Screw Cover - Solid/Opaque

A P P L I C A T I O N

- Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, and chemical plants
- Especially well suited for high temperature or corrosive environments
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- For use with industrial control equipment in ordinary locations

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 Specifications
- UL® 508 and UL® 50 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified file LR 89590-1
- Enclosure flammability rating per UL® 508
- Joint Industrial Council (JIC) enclosure sizing
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

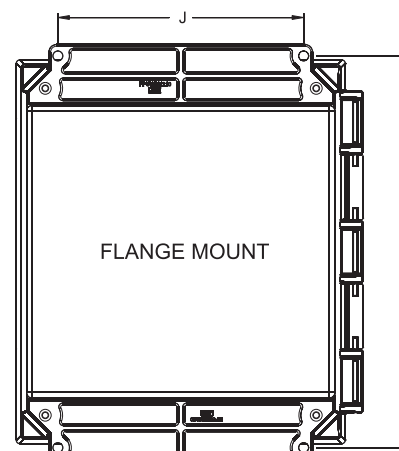
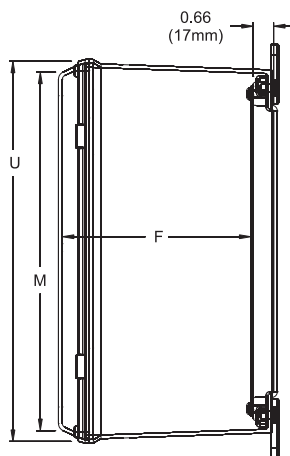
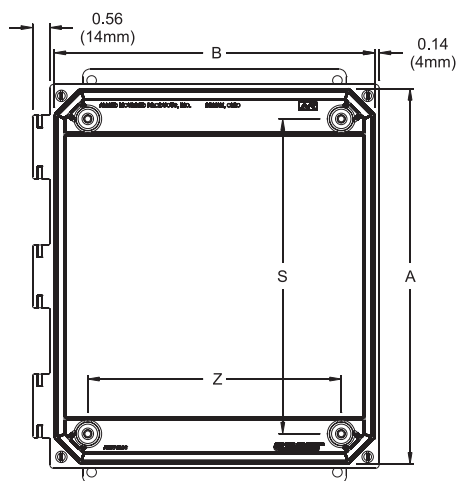
- Compression molded fiberglass reinforced polyester construction with flush, solid/opaque cover
- Allied Moulded Ultraguard® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Light gray color (RAL 7035)
- 304 stainless steel captive cover screws, and hinge pin
- Partially molded hinge
- Gasket made of closed cell neoprene cord encased in a continuous tongue and groove channel
- Polycarbonate flanges (installed) or mounting feet (bagged) with four 304 stainless steel screws
- 10-32 threaded brass inserts are installed for back panel mounting

A C C E S S O R I E S

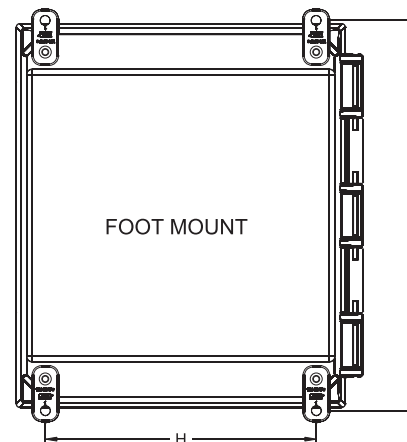
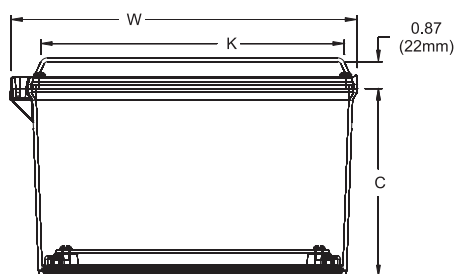
- Optional back panels and hinged front panels
- Optional thermal management products

M O D I F I C A T I O N S

- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matches
- EMI/RFI shielding
- Factory-supplied silk screening



Note: Cover Removed for Clarity



Part No.	Box Size			Usable Depth F	Panel Boss Centers		Flange Mount Centers		Foot Mount Centers		Cover Size				Nom. Wall Thickness
	A	B	C		S	Z	J	I	H	L	K	M	W	U	
AMU664H(F*)	6.05 154mm	6.27 159mm	4.13 105mm	4.11 104mm	4.25 108mm	4.25 108mm	4.00 102mm	6.88, 6.75 175, 171mm	4.91 125mm	6.75 171mm	5.89 150mm	5.67 144mm	6.72 171mm	6.50 165mm	0.13 3 mm
AMU864H(F*)	8.05 204mm	6.27 159mm	4.13 105mm	4.11 104mm	6.25 159mm	4.25 108mm	4.00 102mm	8.88, 8.75 226, 222mm	4.91 125mm	8.75 222mm	5.89 150mm	7.67 195mm	6.72 171mm	8.50 216mm	0.13 3 mm
AMU1084H(F*)	10.05 255mm	8.27 210mm	4.13 105mm	4.11 104mm	8.25 210mm	6.25 159mm	6.00 152mm	10.75 273mm	6.91 176mm	10.75 273mm	7.89 200mm	9.67 246mm	8.72 221mm	10.50 267mm	0.13 3 mm
AMU1206H(F*)	12.05 306mm	10.27 261mm	6.13 156mm	6.11 155mm	10.25 260mm	8.25 210mm	8.00 203mm	12.75 324mm	8.82 224mm	12.70 323mm	9.89 251mm	11.67 296mm	10.72 272mm	12.50 318mm	0.13 3 mm
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*Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMU664H)

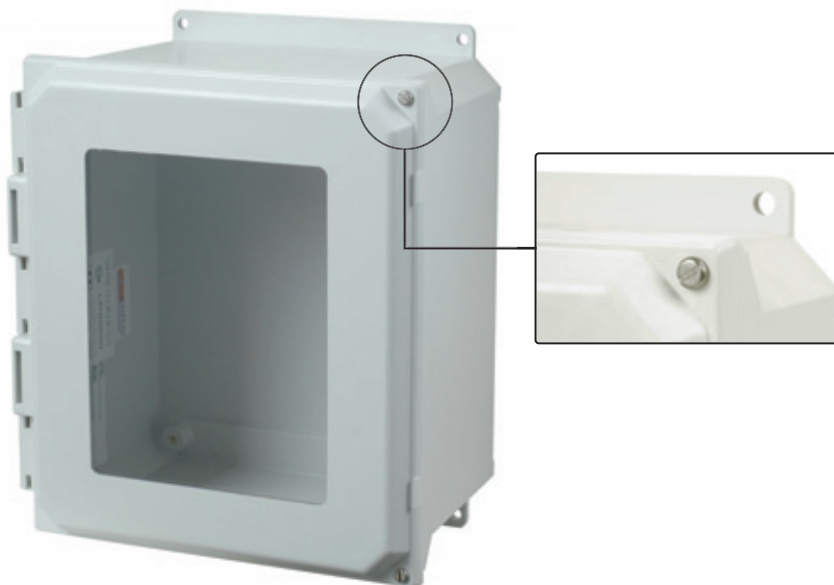
Add "F" to the part number for factory installed flanges (ex. AMU664HF)

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AMU Series JIC Size Junction Boxes: Hinged Screw Cover with Window

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- UL® 508 and UL® 50 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified file LR 89590-1
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C O N S T R U C T I O N

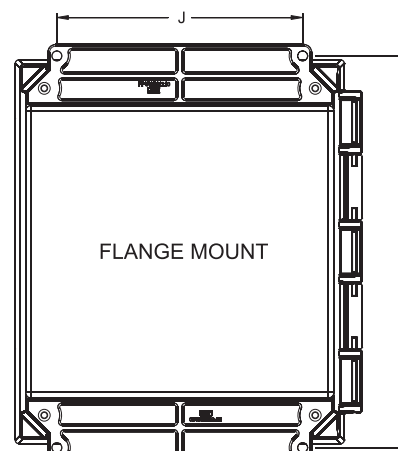
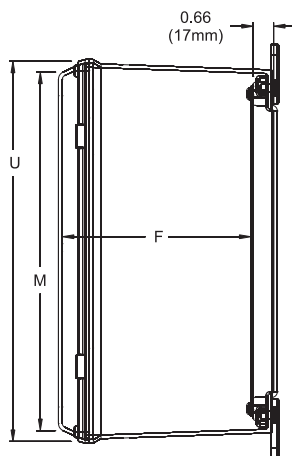
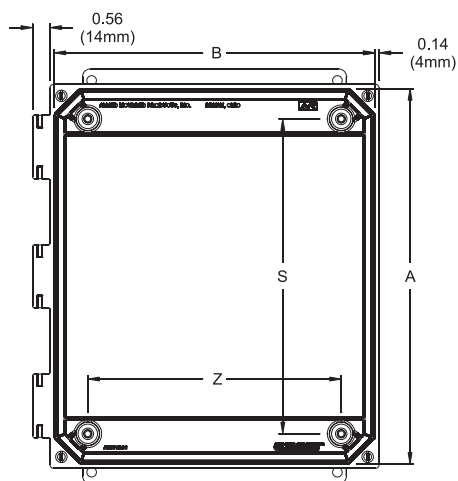
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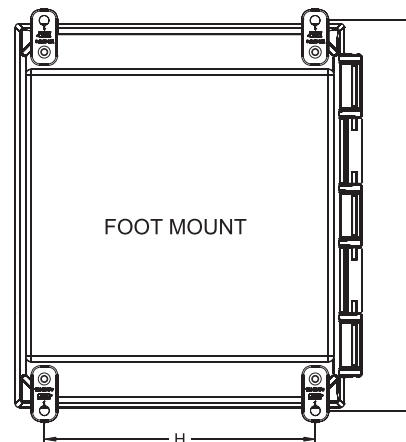
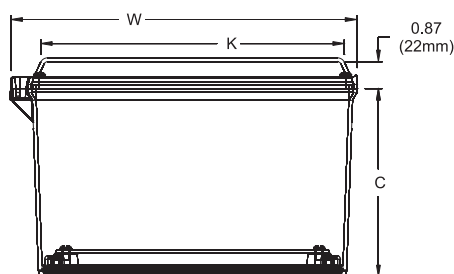
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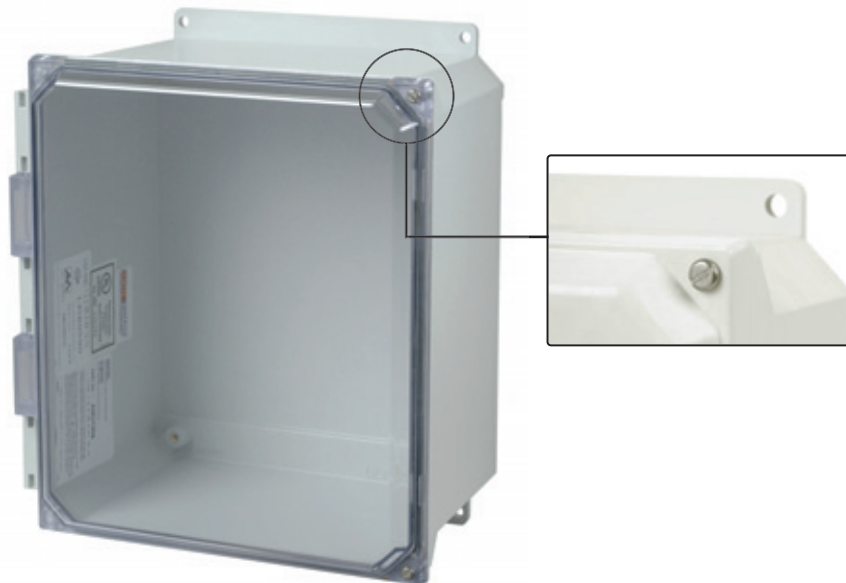
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Add "F" to the part number for factory installed flanges (ex. AMU664HWF)

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- Joint Industrial Council (JIC) enclosure sizing
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

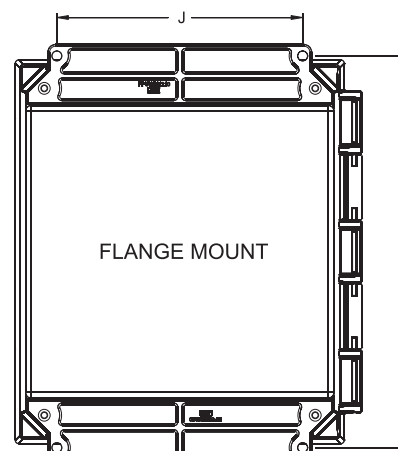
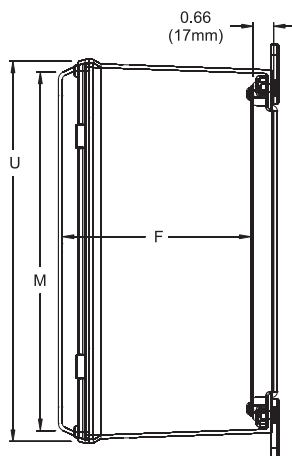
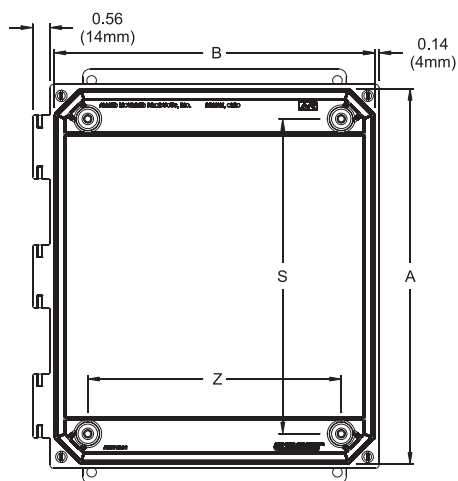
- Compression molded fiberglass reinforced polyester construction with flush, clear polycarbonate cover
- Allied Moulded Ultraguard® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Light gray color (RAL 7035)
- Clear, polycarbonate instrumentation cover
- 304 stainless steel captive cover screws and hinge pin
- Partially molded hinge
- Gasket made of closed cell neoprene cord encased in a continuous tongue and groove channel
- Polycarbonate flanges (installed) or mounting feet (bagged) with four 304 stainless steel screws
- 10-32 threaded brass inserts are installed for back panel mounting

A C C E S S O R I E S

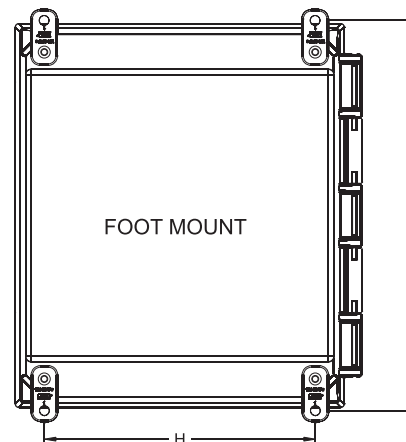
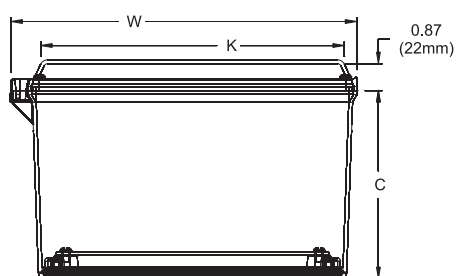
- Optional back panels and hinged front panels
- Optional thermal management products

M O D I F I C A T I O N S

- Custom holes and cutouts
- Molded-in color matches
- EMI/RFI shielding
- Factory-supplied silk screening



Note: Cover Removed for Clarity



Part No.	Box Size			Usable Depth F	Panel Boss Centers		Flange Mount Centers		Foot Mount Centers		Cover Size				Nom. Wall Thickness
	A	B	C		S	Z	J	I	H	L	K	M	W	U	
AMU664CCH(F*)	6.05 154mm	6.27 159mm	4.13 105mm	4.11 104mm	4.25 108mm	4.25 108mm	4.00 102mm	6.88, 6.75 175, 171mm	4.91 125mm	6.75 171mm	5.89 150mm	5.67 144mm	6.72 171mm	6.50 165mm	0.13 3 mm
AMU864CCH(F*)	8.05 204mm	6.27 159mm	4.13 105mm	4.11 104mm	6.25 159mm	4.25 108mm	4.00 102mm	8.88, 8.75 226, 222mm	4.91 125mm	8.75 222mm	5.89 150mm	7.67 195mm	6.72 171mm	8.50 216mm	0.13 3 mm
AMU1084CCH(F*)	10.05 255mm	8.27 210mm	4.13 105mm	4.11 104mm	8.25 210mm	6.25 159mm	6.00 152mm	10.75 273mm	6.91 176mm	10.75 273mm	7.89 200mm	9.67 246mm	8.72 221mm	10.50 267mm	0.13 3 mm
AMU1206CCH(F*)	12.05 306mm	10.27 261mm	6.13 156mm	6.11 155mm	10.25 260mm	8.25 210mm	8.00 203mm	12.75 324mm	8.82 224mm	12.70 323mm	9.89 251mm	11.67 296mm	10.72 272mm	12.50 318mm	0.13 3 mm
AMU1426CCH(F*)	14.05 357mm	12.27 312mm	6.13 156mm	6.11 155mm	12.25 311mm	10.25 260mm	10.00 254mm	14.75, 14.62 375, 371mm	10.82 275mm	14.70 373mm	11.89 302mm	13.67 347mm	12.72 323mm	14.50 368mm	0.13 3 mm
AMU1648CCH(F*)	16.05 408mm	14.27 362mm	8.13 207mm	8.11 206mm	14.25 362mm	12.25 311mm	12.00 305mm	16.75 425mm	11.47 291mm	16.91 430mm	13.89 353mm	15.67 398mm	14.72 374mm	16.50 419mm	0.14 4 mm

*Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMU664CCH)

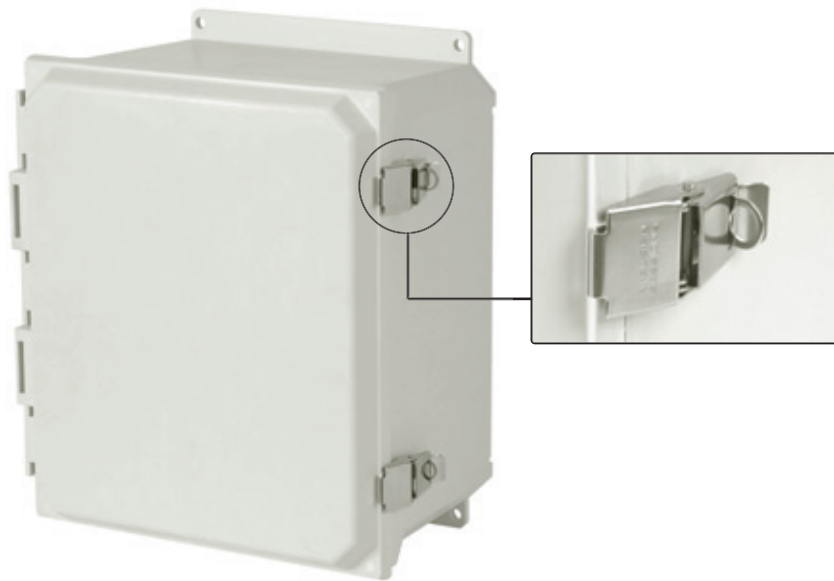
Add "F" to the part number for factory installed flanges (ex. AMU664CCHF)

"I" dimensions with multiple numbers indicate slotted holes

All dimensions are in inches unless otherwise noted



Order Today: 419-636-4217, Fax: 419-636-2450, e-mail: sales@alliedmoulded.com



AMU Series JIC Size Junction Boxes: Snap Latch Hinged Screw Cover - Solid/Opaque

A P P L I C A T I O N

- Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, and chemical plants
- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil, and water
- For use with industrial control equipment in ordinary locations

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 Specifications
- UL® 508 and UL® 50 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified file LR 89590-1
- Enclosure flammability rating per UL® 508
- Joint Industrial Council (JIC) enclosure sizing
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

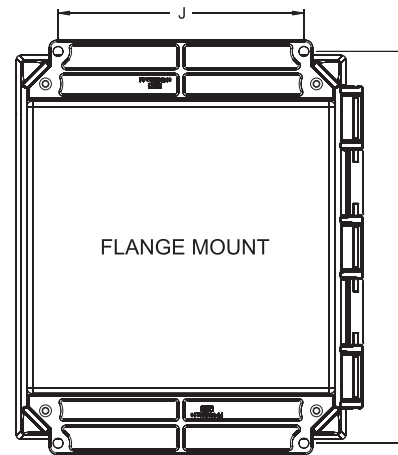
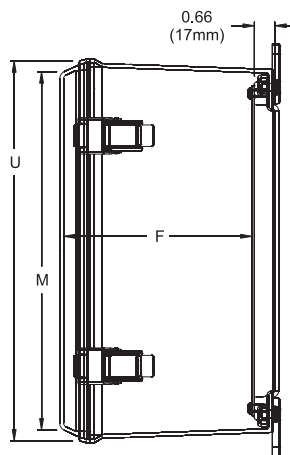
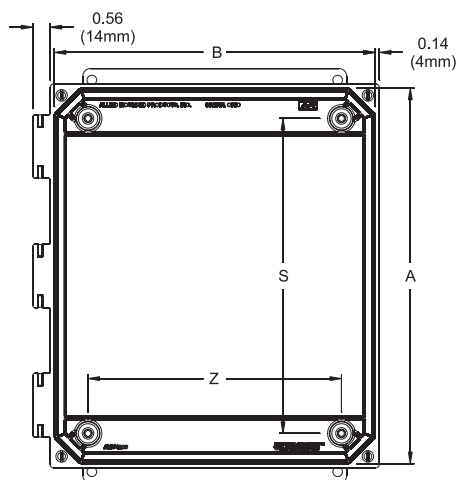
- Compression molded fiberglass reinforced polyester construction with flush, solid/opaque cover
- Allied Moulded Ultraguard® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Light gray color (RAL 7035)
- 304 stainless steel lockable latches, and hinge pin
- Partially molded hinge and molded latch keeper
- Gasket made of closed cell neoprene cord encased in a continuous tongue and groove channel
- Polycarbonate flanges (installed) or mounting feet (bagged) with four 304 stainless steel screws
- 10-32 threaded brass inserts are installed for back panel mounting

A C C E S S O R I E S

- Optional back panels and hinged front panels
- Optional thermal management products

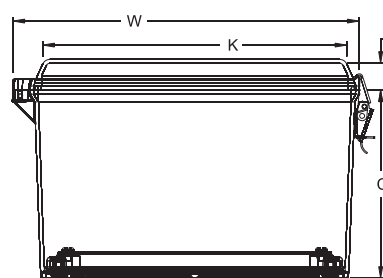
M O D I F I C A T I O N S

- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matches
- EMI/RFI shielding
- Factory-supplied silk screening



Note: Cover Removed for Clarity

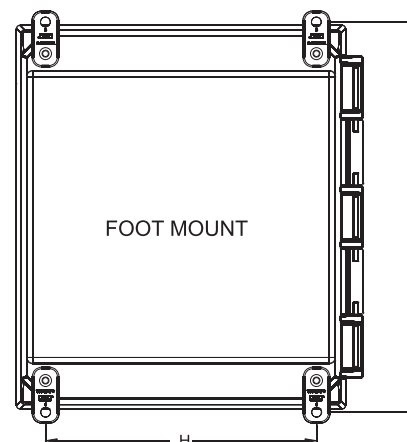
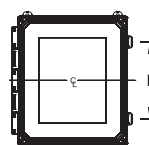
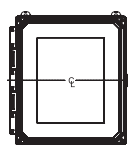
LATCH LOCATIONS



0.87
(22mm)

FOR USE ON
6x6x4
8x6x4
10x8x4
10x8x6

FOR USE ON
12x10x6 D=7.50 (191mm)
14x12x6 D=8.00 (203mm)
16x14x8 D=9.00 (229mm)
18x16x8 D=9.50 (241mm)
20x18x8 D=10.25 (260mm)



Part No.	Box Size			Usable Depth	Panel Boss Centers		Flange Mount Centers		Foot Mount Centers		Cover Size				Nom. Wall Thickness
	A	B	C	F	S	Z	J	I	H	L	K	M	W	U	
AMU664L(F*)	6.05	6.27	4.13	4.11	4.25	4.25	4.00	6.88, 6.75	4.91	6.75	5.89	5.67	6.72	6.50	0.13
	154mm	159mm	105mm	104mm	108mm	108mm	102mm	175, 171mm	125mm	171mm	150mm	144mm	171mm	165mm	3 mm
AMU864L(F*)	8.05	6.27	4.13	4.11	6.25	4.25	4.00	8.88, 8.75	4.91	8.75	5.89	7.67	6.72	8.50	0.13
	204mm	159mm	105mm	104mm	159mm	108mm	102mm	226, 222mm	125mm	222mm	150mm	195mm	171mm	216mm	3 mm
AMU1084L(F*)	10.05	8.27	4.13	4.11	8.25	6.25	6.00	10.75	6.91	10.75	7.89	9.67	8.72	10.50	0.13
	255mm	210mm	105mm	104mm	210mm	159mm	152mm	273mm	176mm	273mm	200mm	246mm	221mm	267mm	3 mm
AMU1206L(F*)	12.05	10.27	6.13	6.11	10.25	8.25	8.00	12.75	8.82	12.70	9.89	11.67	10.72	12.50	0.13
	306mm	261mm	156mm	155mm	260mm	210mm	203mm	324mm	224mm	323mm	251mm	296mm	272mm	318mm	3 mm
AMU1426L(F*)	14.05	12.27	6.13	6.11	12.25	10.25	10.00	14.75, 14.62	10.82	14.70	11.89	13.67	12.72	14.50	0.13
	357mm	312mm	156mm	155mm	311mm	260mm	254mm	375, 371mm	275mm	373mm	302mm	347mm	323mm	368mm	3 mm
AMU1648L(F*)	16.05	14.27	8.13	8.11	14.25	12.25	12.00	16.75	11.47	16.91	13.89	15.67	14.72	16.50	0.14
	408mm	362mm	207mm	206mm	362mm	311mm	305mm	425mm	291mm	430mm	353mm	398mm	374mm	419mm	4 mm
AMU1860L(F*)	18.30	16.52	10.13	10.11	16.25	14.25	12.00	18.88, 18.76	13.72	19.16	16.14	17.92	16.97	18.75	0.19
	465mm	420mm	257mm	257mm	413mm	362mm	305mm	480, 477mm	348mm	487mm	410mm	455mm	431mm	476mm	5 mm
AMU2060L(F*)	20.05	16.27	10.13	10.11	17.81	13.81	10.00	21.25	13.16	20.53	15.89	19.67	16.72	20.50	0.19
	509mm	413mm	257mm	257mm	452mm	351mm	254mm	540mm	334mm	521mm	404mm	500mm	425mm	521mm	5 mm

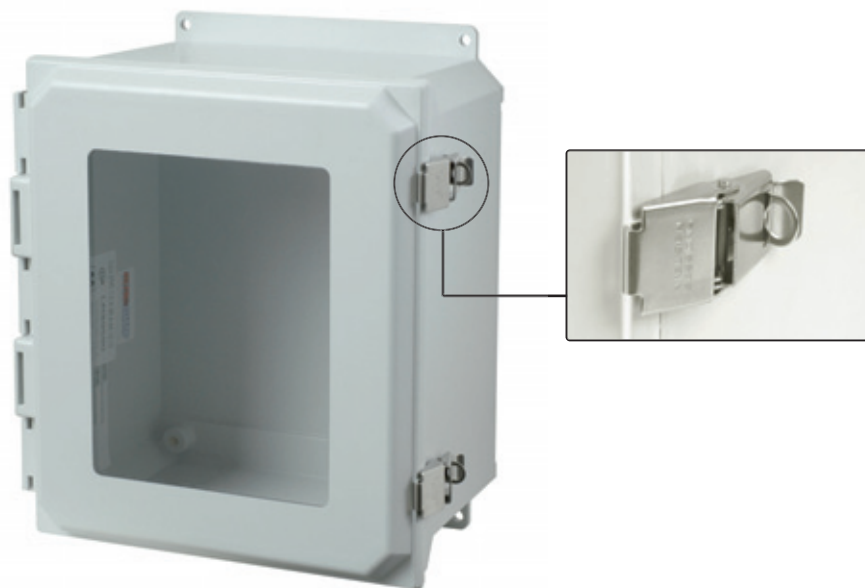
*Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMU664L)

Add "F" to the part number for factory installed flanges (ex. AMU664LF)

"I" dimensions with multiple numbers indicate slotted holes

All dimensions are in inches unless otherwise noted





AMU Series JIC Size Junction Boxes: Snap Latch Hinged Screw Cover with Window

A P P L I C A T I O N

- Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, and chemical plants
- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil, and water
- For use with industrial control equipment in ordinary locations
- Clear/polycarbonate, viewing window used in applications where critical electronic equipment must be visible and protected from the elements

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 Specifications
- UL® 508 and UL® 50 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified file LR 89590-1
- Enclosure flammability rating per UL® 508
- Joint Industrial Council (JIC) enclosure sizing
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

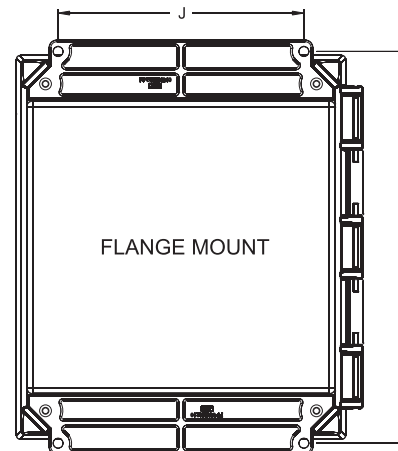
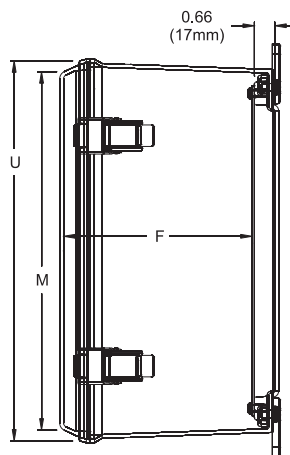
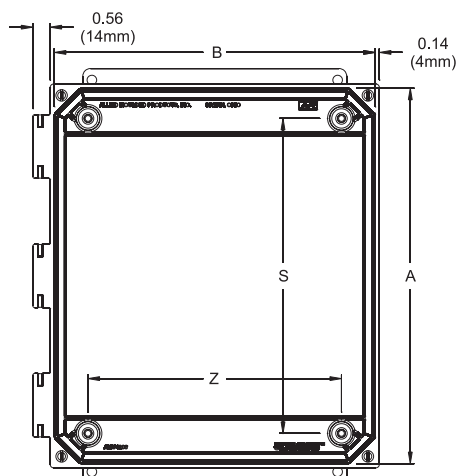
- Compression molded fiberglass reinforced polyester construction with flush, viewing window cover
- Allied Moulded Ultraguard® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Light gray color (RAL 7035)
- Clear, polycarbonate viewing window cover
- 304 stainless steel lockable latches, and hinge pin
- Partially molded hinge and molded latch keeper
- Gasket made of closed cell neoprene cord encased in a continuous tongue and groove channel
- Polycarbonate flanges (installed) or mounting feet (bagged) with four 304 stainless steel screws
- 10-32 threaded brass inserts are installed for back panel mounting

A C C E S S O R I E S

- Optional back panels and hinged front panels
- Optional thermal management products

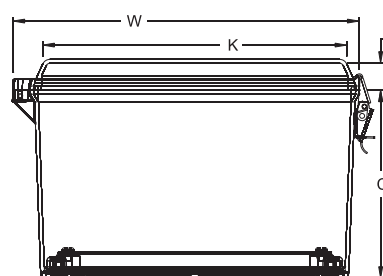
M O D I F I C A T I O N S

- Custom holes and cutouts
- Molded-in color matches
- EMI/RFI shielding
- Factory-supplied silk screening



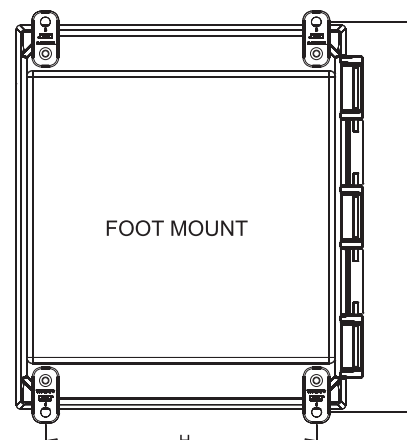
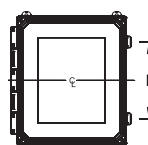
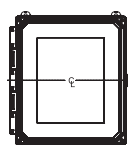
Note: Cover Removed for Clarity

LATCH LOCATIONS



FOR USE ON
6x6x4
8x6x4
10x8x4
10x8x6

FOR USE ON
12x10x6 D=7.50 (191mm)
14x12x6 D=8.00 (203mm)
16x14x8 D=9.00 (229mm)
18x16x8 D=9.50 (241mm)
20x18x8 D=10.25 (260mm)



Part No.	Box Size			Usable Depth F	Panel Boss Centers		Flange Mount Centers		Foot Mount Centers		Cover Size				Nom. Wall Thick.	Window Dimension (height x width)
	A	B	C		S	Z	J	I	H	L	K	M	W	U		
AMU664LW(F*)	6.05 154mm	6.27 159mm	4.13 105mm	4.11 104mm	4.25 108mm	4.25 108mm	4.00 102mm	6.88, 6.75 175, 171mm	4.91 125mm	6.75 171mm	5.89 150mm	5.67 144mm	6.72 171mm	6.50 165mm	0.13 3 mm	3.50 x 3.50 90 mm x 90 mm
AMU864LW(F*)	8.05 204mm	6.27 159mm	4.13 105mm	4.11 104mm	6.25 159mm	4.25 108mm	4.00 102mm	8.88, 8.75 226, 222mm	4.91 125mm	8.75 222mm	5.89 150mm	7.67 195mm	6.72 171mm	8.50 216mm	0.13 3 mm	5.25 x 4.00 133 mm x 102 mm
AMU1084LW(F*)	10.05 255mm	8.27 210mm	4.13 105mm	4.11 104mm	8.25 210mm	6.25 159mm	6.00 152mm	10.75 273mm	6.91 176mm	10.75 273mm	7.89 200mm	9.67 246mm	8.72 221mm	10.50 267mm	0.13 3 mm	6.25 x 4.25 159 mm x 108 mm
AMU1206LW(F*)	12.05 306mm	10.27 261mm	6.13 156mm	6.11 155mm	10.25 260mm	8.25 210mm	8.00 203mm	12.75 324mm	8.82 224mm	12.70 323mm	9.89 251mm	11.67 296mm	10.72 272mm	12.50 318mm	0.13 3 mm	8.38 x 6.50 213 mm x 165 mm
AMU1426LW(F*)	14.05 357mm	12.27 312mm	6.13 156mm	6.11 155mm	12.25 311mm	10.25 260mm	10.00 254mm	14.75, 14.62 375, 371mm	10.82 275mm	14.70 373mm	11.89 302mm	13.67 347mm	12.72 323mm	14.50 368mm	0.13 3 mm	10.38 x 8.50 264 mm x 216 mm
AMU1648LW(F*)	16.05 408mm	14.27 362mm	8.13 207mm	8.11 206mm	14.25 362mm	12.25 311mm	12.00 305mm	16.75 425mm	11.47 291mm	16.91 430mm	13.89 353mm	15.67 398mm	14.72 374mm	16.50 419mm	0.14 4 mm	12.38 x 10.50 314 mm x 267 mm
AMU1860LW(F*)	18.30 465mm	16.52 420mm	10.13 257mm	10.11 257mm	16.25 413mm	14.25 362mm	12.00 305mm	18.88, 18.76 480, 477mm	13.72 348mm	19.16 487mm	16.14 410mm	17.92 455mm	16.97 431mm	18.75 476mm	0.19 5 mm	13.00 x 11.00 330 mm x 279 mm
AMU2060LW(F*)	20.05 509mm	16.27 413mm	10.13 257mm	10.11 257mm	17.81 452mm	13.81 351mm	10.00 254mm	21.25 540mm	13.16 334mm	20.53 521mm	15.89 404mm	19.67 500mm	16.72 425mm	20.50 521mm	0.19 5 mm	14.00 x 12.00 356 mm x 305 mm

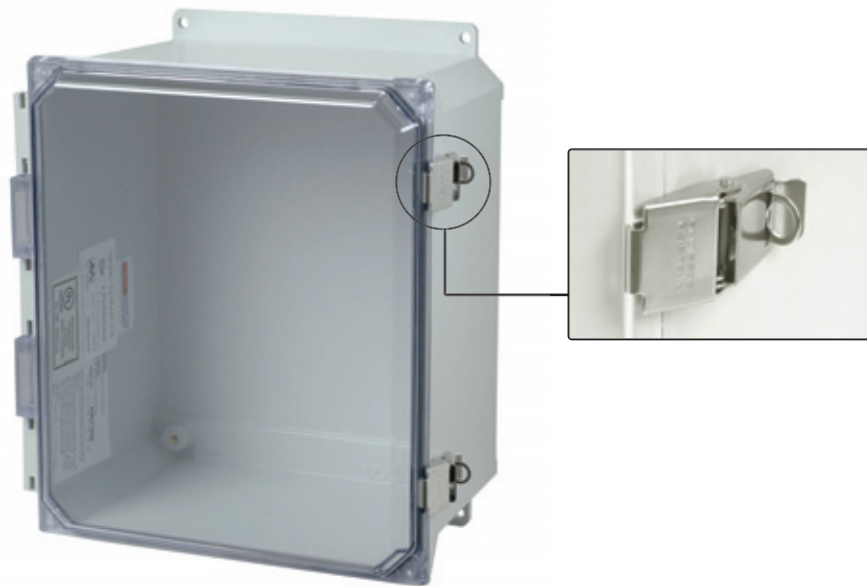
*Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMU664LW)

Add "F" to the part number for factory installed flanges (ex. AMU664LWF)

"I" dimensions with multiple numbers indicate slotted holes

All dimensions are in inches unless otherwise noted





AMU Series JIC Size Junction Boxes: Snap Latch Hinged Screw Cover - Clear Polycarbonate

A P P L I C A T I O N

- Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, and chemical plants
- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil, and water
- For use with industrial control equipment in ordinary locations
- Clear/polycarbonate, instrumentation cover used in applications where critical electronic equipment must be visible and protected from the elements

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 Specifications
- UL® 508 and UL® 50 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified file LR 89590-1
- Enclosure flammability rating per UL® 508
- Joint Industrial Council (JIC) enclosure sizing
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C O N S T R U C T I O N

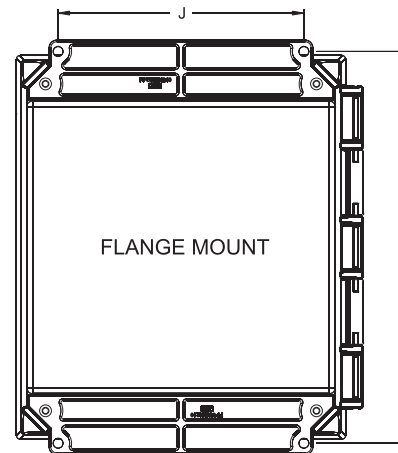
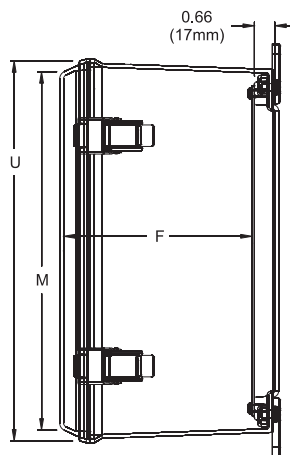
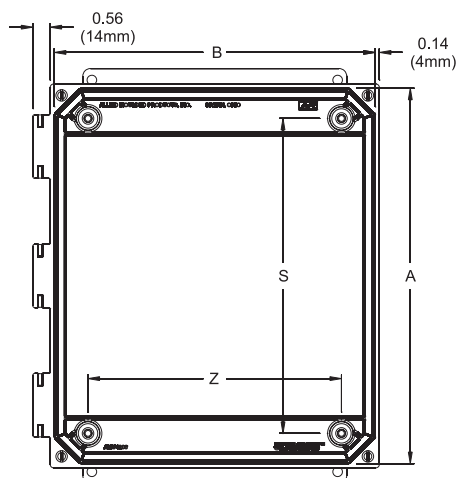
- Compression molded fiberglass reinforced polyester construction with flush, clear polycarbonate cover
- Allied Moulded Ultraguard® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Light gray color (RAL 7035)
- Clear, polycarbonate instrumentation cover
- 304 stainless steel lockable latches, and hinge pin
- Partially molded hinge and molded latch keeper
- Gasket made of closed cell neoprene cord encased in a continuous tongue and groove channel
- Polycarbonate flanges (installed) or mounting feet (bagged) with four 304 stainless steel screws
- 10-32 threaded brass inserts are installed for back panel mounting

A C C E S S O R I E S

- Optional back panels and hinged front panels
- Optional thermal management products

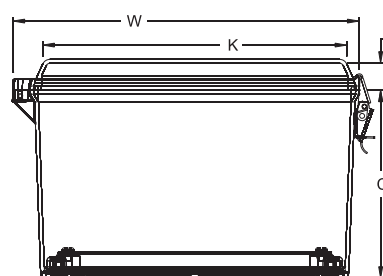
M O D I F I C A T I O N S

- Custom holes and cutouts
- Molded-in color matches
- EMI/RFI shielding
- Factory-supplied silk screening



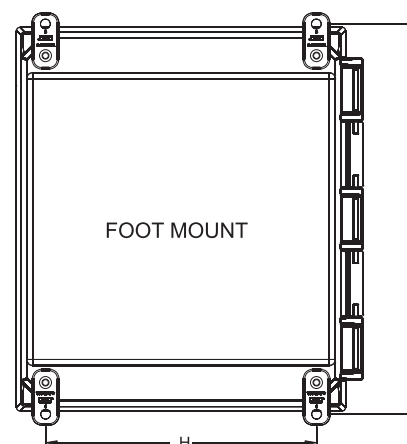
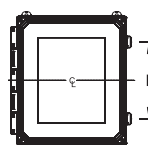
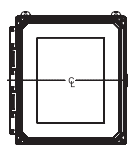
Note: Cover Removed for Clarity

LATCH LOCATIONS



FOR USE ON
6x6x4
8x6x4
10x8x4
10x8x6

FOR USE ON
12x10x6 D=7.50 (191mm)
14x12x6 D=8.00 (203mm)
16x14x8 D=9.00 (229mm)
18x16x8 D=9.50 (241mm)
20x18x8 D=10.25 (260mm)



Part No.	Box Size			Usable Depth	Panel Boss Centers		Flange Mount Centers		Foot Mount Centers		Cover Size				Nom. Wall Thickness
	A	B	C		F	S	Z	J	I	H	L	K	M	W	
AMU664CCL(F*)	6.05	6.27	4.13	4.11	4.25	4.25	4.00	6.88, 6.75	4.91	6.75	5.89	5.67	6.72	6.50	0.13
	154mm	159mm	105mm	104mm	108mm	108mm	102mm	175, 171mm	125mm	171mm	150mm	144mm	171mm	165mm	3 mm
AMU864CCL(F*)	8.05	6.27	4.13	4.11	6.25	4.25	4.00	8.88, 8.75	4.91	8.75	5.89	7.67	6.72	8.50	0.13
	204mm	159mm	105mm	104mm	159mm	108mm	102mm	226, 222mm	125mm	222mm	150mm	195mm	171mm	216mm	3 mm
AMU1084CCL(F*)	10.05	8.27	4.13	4.11	8.25	6.25	6.00	10.75	6.91	10.75	7.89	9.67	8.72	10.50	0.13
	255mm	210mm	105mm	104mm	210mm	159mm	152mm	273mm	176mm	273mm	200mm	246mm	221mm	267mm	3 mm
AMU1206CCL(F*)	12.05	10.27	6.13	6.11	10.25	8.25	8.00	12.75	8.82	12.70	9.89	11.67	10.72	12.50	0.13
	306mm	261mm	156mm	155mm	260mm	210mm	203mm	324mm	224mm	323mm	251mm	296mm	272mm	318mm	3 mm
AMU1426CCL(F*)	14.05	12.27	6.13	6.11	12.25	10.25	10.00	14.75, 14.62	10.82	14.70	11.89	13.67	12.72	14.50	0.13
	357mm	312mm	156mm	155mm	311mm	260mm	254mm	375, 371mm	275mm	373mm	302mm	347mm	323mm	368mm	3 mm
AMU1648CCL(F*)	16.05	14.27	8.13	8.11	14.25	12.25	12.00	16.75	11.47	16.91	13.89	15.67	14.72	16.50	0.14
	408mm	362mm	207mm	206mm	362mm	311mm	305mm	425mm	291mm	430mm	353mm	398mm	374mm	419mm	4 mm

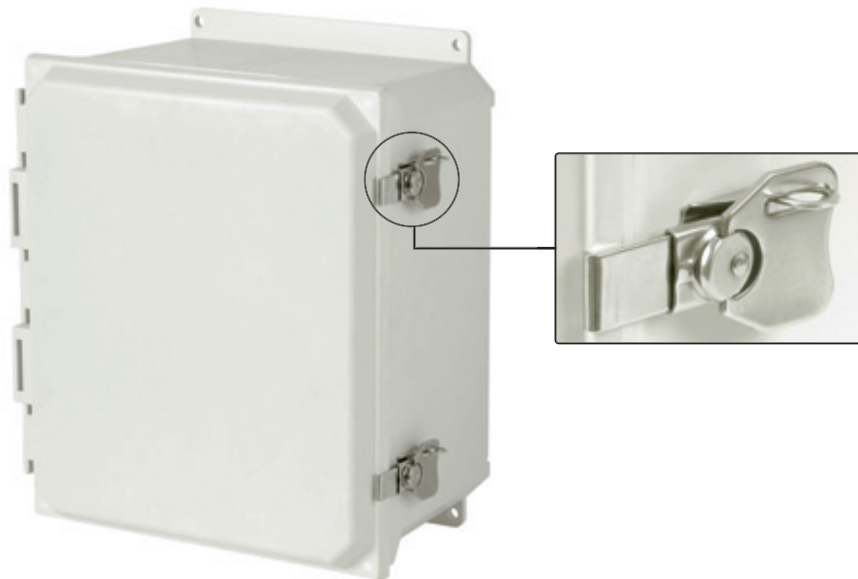
*Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMU664CCL)

Add "F" to the part number for factory installed flanges (ex. AMU664CCLF)

"I" dimensions with multiple numbers indicate slotted holes

All dimensions are in inches unless otherwise noted





AMU Series JIC Size Junction Boxes: Twist Latch Hinged Screw Cover - Solid/Opaque

A P P L I C A T I O N

- Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, and chemical plants
- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil, and water
- For use with industrial control equipment in ordinary locations

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 Specifications
- UL® 508 and UL® 50 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified file LR 89590-1
- Enclosure flammability rating per UL® 508
- Joint Industrial Council (JIC) enclosure sizing
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

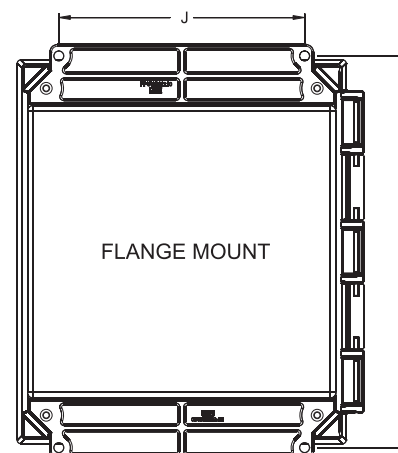
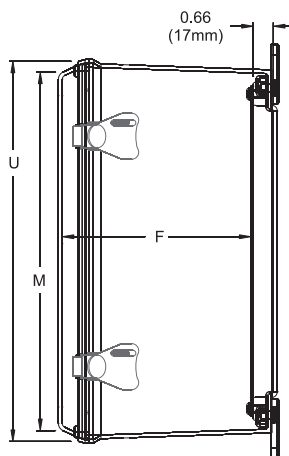
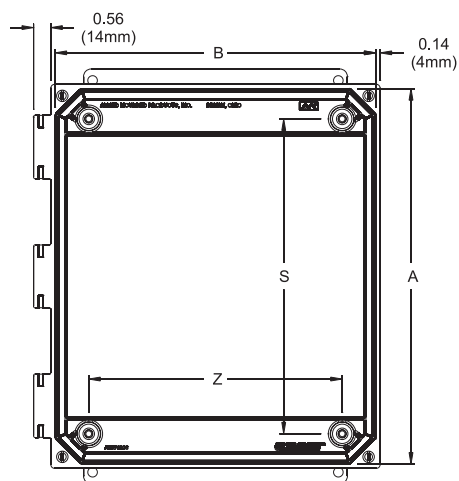
- Compression molded fiberglass reinforced polyester construction with flush, solid/opaque cover
- Allied Moulded Ultraguard® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Light gray color (RAL 7035)
- 304 stainless steel lockable latches, and hinge pin
- Partially molded hinge and molded latch keeper
- Gasket made of closed cell neoprene cord encased in a continuous tongue and groove channel
- Polycarbonate flanges (installed) or mounting feet (bagged) with four 304 stainless steel screws
- 10-32 threaded brass inserts are installed for back panel mounting

A C C E S S O R I E S

- Optional back panels and hinged front panels
- Optional thermal management products

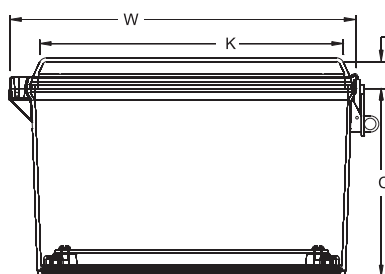
M O D I F I C A T I O N S

- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matches
- EMI/RFI shielding
- Factory-supplied silk screening



Note: Cover Removed for Clarity

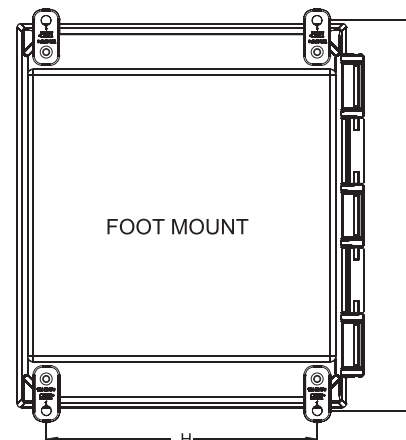
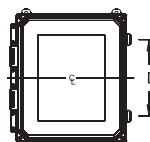
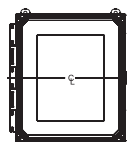
LATCH LOCATIONS



0.87
(22mm)

FOR USE ON
6x6x4
8x6x4
10x8x4
10x8x6

FOR USE ON
12x10x6 D=7.50 (191mm)
14x12x6 D=8.00 (203mm)
16x14x8 D=9.00 (229mm)
18x16x8 D=9.50 (241mm)
20x18x8 D=10.25 (260mm)



Part No.	Box Size			Usable Depth	Panel Boss Centers		Flange Mount Centers		Foot Mount Centers		Cover Size				Nom. Wall Thickness
	A	B	C		F	S	Z	J	I	H	L	K	M	W	
AMU664T(F*)	6.05	6.27	4.13	4.11	4.25	4.25	4.00	6.88, 6.75	4.91	6.75	5.89	5.67	6.72	6.50	0.13
	154mm	159mm	105mm	104mm	108mm	108mm	102mm	175, 171mm	125mm	171mm	150mm	144mm	171mm	165mm	3 mm
AMU864T(F*)	8.05	6.27	4.13	4.11	6.25	4.25	4.00	8.88, 8.75	4.91	8.75	5.89	7.67	6.72	8.50	0.13
	204mm	159mm	105mm	104mm	159mm	108mm	102mm	226, 222mm	125mm	222mm	150mm	195mm	171mm	216mm	3 mm
AMU1084T(F*)	10.05	8.27	4.13	4.11	8.25	6.25	6.00	10.75	6.91	10.75	7.89	9.67	8.72	10.50	0.13
	255mm	210mm	105mm	104mm	210mm	159mm	152mm	273mm	176mm	273mm	200mm	246mm	221mm	267mm	3 mm
AMU1206T(F*)	12.05	10.27	6.13	6.11	10.25	8.25	8.00	12.75	8.82	12.70	9.89	11.67	10.72	12.50	0.13
	306mm	261mm	156mm	155mm	260mm	210mm	203mm	324mm	224mm	323mm	251mm	296mm	272mm	318mm	3 mm
AMU1426T(F*)	14.05	12.27	6.13	6.11	12.25	10.25	10.00	14.75, 14.62	10.82	14.70	11.89	13.67	12.72	14.50	0.13
	357mm	312mm	156mm	155mm	311mm	260mm	254mm	375, 371mm	275mm	373mm	302mm	347mm	323mm	368mm	3 mm
AMU1648T(F*)	16.05	14.27	8.13	8.11	14.25	12.25	12.00	16.75	11.47	16.91	13.89	15.67	14.72	16.50	0.14
	408mm	362mm	207mm	206mm	362mm	311mm	305mm	425mm	291mm	430mm	353mm	398mm	374mm	419mm	4 mm
AMU1860T(F*)	18.30	16.52	10.13	10.11	16.25	14.25	12.00	18.88, 18.76	13.72	19.16	16.14	17.92	16.97	18.75	0.19
	465mm	420mm	257mm	257mm	413mm	362mm	305mm	480, 477mm	348mm	487mm	410mm	455mm	431mm	476mm	5 mm
AMU2060T(F*)	20.05	16.27	10.13	10.11	17.81	13.81	10.00	21.25	13.16	20.53	15.89	19.67	16.72	20.50	0.19
	509mm	413mm	257mm	257mm	452mm	351mm	254mm	540mm	334mm	521mm	404mm	500mm	425mm	521mm	5 mm

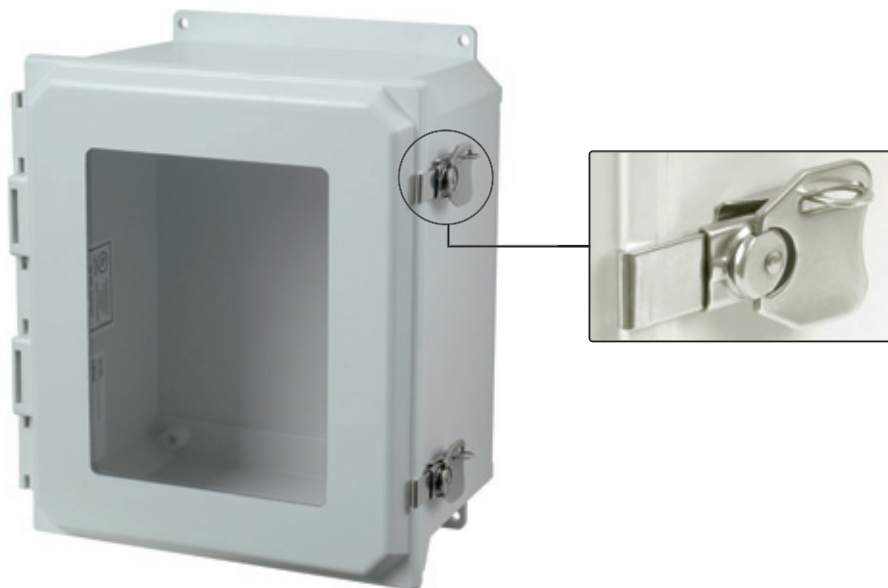
*Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMU664T)

Add "F" to the part number for factory installed flanges (ex. AMU664TF)

"I" dimensions with multiple numbers indicate slotted holes

All dimensions are in inches unless otherwise noted





AMU Series JIC Size Junction Boxes: Twist Latch Hinged Screw Cover with Window

A P P L I C A T I O N

- Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, and chemical plants
- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil, and water
- For use with industrial control equipment in ordinary locations
- Clear/polycarbonate, viewing window cover used in applications where critical electronic equipment must be visible and protected from the elements

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 Specifications
- UL® 508 and UL® 50 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified file LR 89590-1
- Enclosure flammability rating per UL® 508
- Joint Industrial Council (JIC) enclosure sizing
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

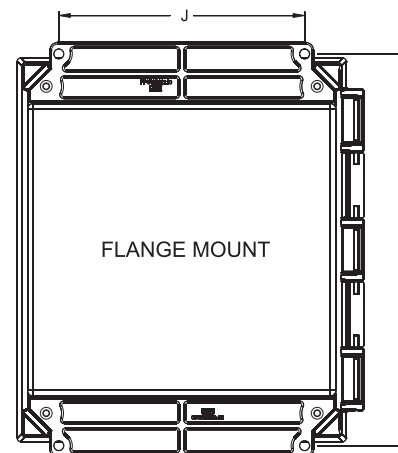
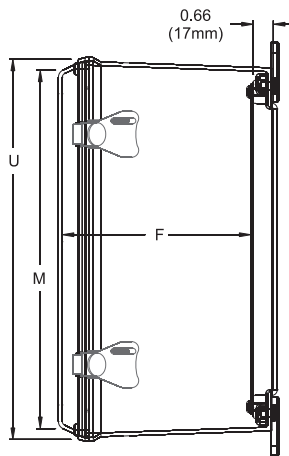
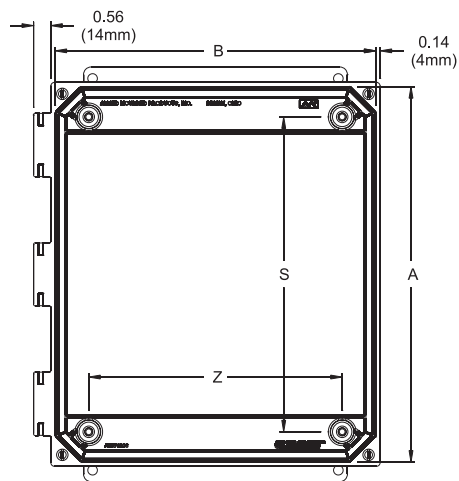
- Compression molded fiberglass reinforced polyester construction with flush, viewing window cover
- Allied Moulded Ultraguard® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Light gray color (RAL 7035)
- Clear, polycarbonate viewing window cover
- 304 stainless steel lockable latches, and hinge pin
- Partially molded hinge and molded latch keeper
- Gasket made of closed cell neoprene cord encased in a continuous tongue and groove channel
- Polycarbonate flanges (installed) or mounting feet (bagged) with four 304 stainless steel screws
- 10-32 threaded brass inserts are installed for back panel mounting

A C C E S S O R I E S

- Optional back panels and hinged front panels
- Optional thermal management products

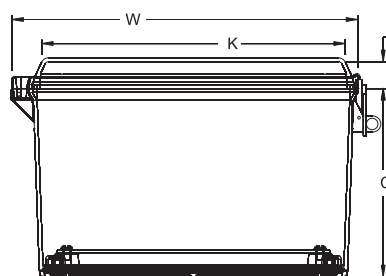
M O D I F I C A T I O N S

- Custom holes and cutouts
- Molded-in color matches
- EMI/RFI shielding
- Factory-supplied silk screening



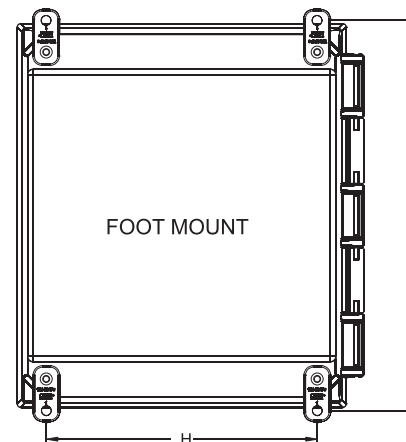
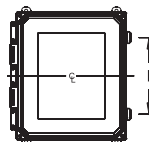
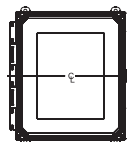
Note: Cover Removed for Clarity

LATCH LOCATIONS



FOR USE ON
6x6x4
8x6x4
10x8x4
10x8x6

FOR USE ON
12x10x6 D=7.50 (191mm)
14x12x6 D=8.00 (203mm)
16x14x8 D=9.00 (229mm)
18x16x8 D=9.50 (241mm)
20x18x8 D=10.25 (260mm)



Part No.	Box Size			Usable Depth F	Panel Boss Centers		Flange Mount Centers		Foot Mount Centers		Cover Size				Nom. Wall Thick.	Window Dimension (height x width)
	A	B	C		S	Z	J	I	H	L	K	M	W	U		
AMU664TW(F*)	6.05 154mm	6.27 159mm	4.13 105mm	4.11 104mm	4.25 108mm	4.25 108mm	4.00 102mm	6.88, 6.75 175, 171mm	4.91 125mm	6.75 171mm	5.89 150mm	5.67 144mm	6.72 171mm	6.50 165mm	0.13 3 mm	3.50 x 3.50 90 mm x 90 mm
AMU864TW(F*)	8.05 204mm	6.27 159mm	4.13 105mm	4.11 104mm	6.25 159mm	4.25 108mm	4.00 102mm	8.88, 8.75 226, 222mm	4.91 125mm	8.75 222mm	5.89 150mm	7.67 195mm	6.72 171mm	8.50 216mm	0.13 3 mm	5.25 x 4.00 133 mm x 102 mm
AMU1084TW(F*)	10.05 255mm	8.27 210mm	4.13 105mm	4.11 104mm	8.25 210mm	6.25 159mm	6.00 152mm	10.75 273mm	6.91 176mm	10.75 273mm	7.89 200mm	9.67 246mm	8.72 221mm	10.50 267mm	0.13 3 mm	6.25 x 4.25 159 mm x 108 mm
AMU1206TW(F*)	12.05 306mm	10.27 261mm	6.13 156mm	6.11 155mm	10.25 260mm	8.25 210mm	8.00 203mm	12.75 324mm	8.82 224mm	12.70 323mm	9.89 251mm	11.67 296mm	10.72 272mm	12.50 318mm	0.13 3 mm	8.38 x 6.50 213 mm x 165 mm
AMU1426TW(F*)	14.05 357mm	12.27 312mm	6.13 156mm	6.11 155mm	12.25 311mm	10.25 260mm	10.00 254mm	14.75, 14.62 375, 371mm	10.82 275mm	14.70 373mm	11.89 302mm	13.67 347mm	12.72 323mm	14.50 368mm	0.13 3 mm	10.38 x 8.50 264 mm x 216 mm
AMU1648TW(F*)	16.05 408mm	14.27 362mm	8.13 207mm	8.11 206mm	14.25 362mm	12.25 311mm	12.00 305mm	16.75 425mm	11.47 291mm	16.91 430mm	13.89 353mm	15.67 398mm	14.72 374mm	16.50 419mm	0.14 4 mm	12.38 x 10.50 314 mm x 267 mm
AMU1860TW(F*)	18.30 465mm	16.52 420mm	10.13 257mm	10.11 257mm	16.25 413mm	14.25 362mm	12.00 305mm	18.88, 18.76 480, 477mm	13.72 348mm	19.16 487mm	16.14 410mm	17.92 455mm	16.97 431mm	18.75 476mm	0.19 5 mm	13.00 x 11.00 330 mm x 279 mm
AMU2060TW(F*)	20.05 509mm	16.27 413mm	10.13 257mm	10.11 257mm	17.81 452mm	13.81 351mm	10.00 254mm	21.25 540mm	13.16 334mm	20.53 521mm	15.89 404mm	19.67 500mm	16.72 425mm	20.50 521mm	0.19 5 mm	14.00 x 12.00 356 mm x 305 mm

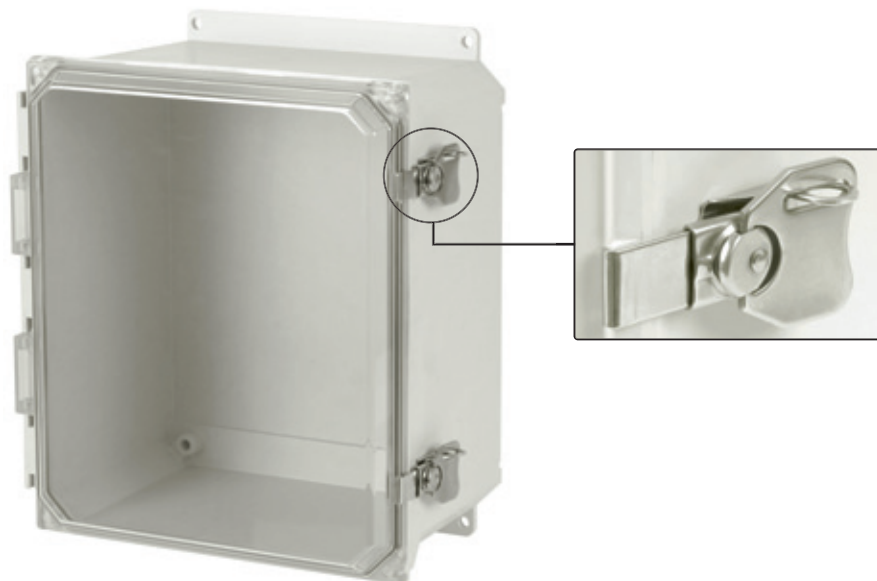
*Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMU664TW)

Add "F" to the part number for factory installed flanges (ex. AMU664TW(F))

"I" dimensions with multiple numbers indicate slotted holes

All dimensions are in inches unless otherwise noted





AMU Series JIC Size Junction Boxes: Twist Latch Hinged Screw Cover - Clear Polycarbonate

APPLICATION

- Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, and chemical plants
- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil, and water
- For use with industrial control equipment in ordinary locations
- Clear/polycarbonate, instrumentation cover used in applications where critical electronic equipment must be visible and protected from the elements

STANDARDS

- Construction meets NEMA/EEMAC Type 4, 4X, 12 Specifications
- UL® 508 and UL® 50 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified file LR 89590-1
- Enclosure flammability rating per UL® 508
- Joint Industrial Council (JIC) enclosure sizing
- Compliant with RoHS directive (Restriction of Hazardous Substances)

CONSTRUCTION

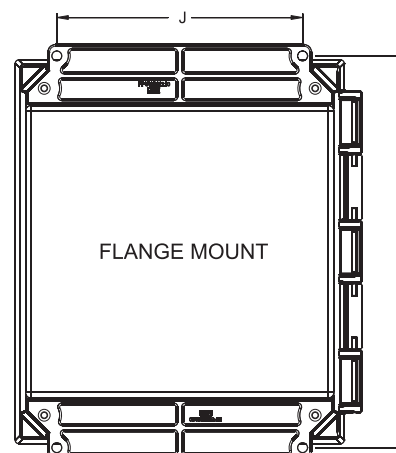
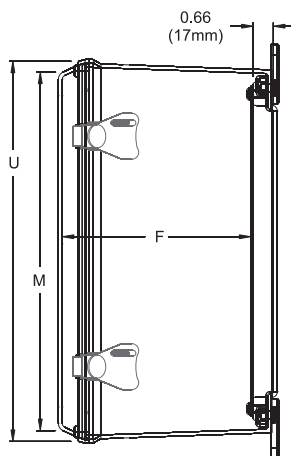
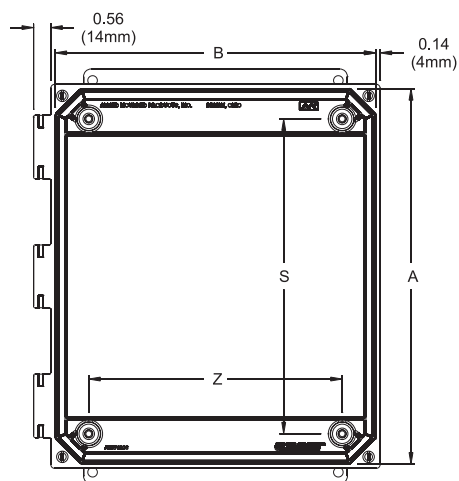
- Compression molded fiberglass reinforced polyester construction with flush, clear polycarbonate cover
- Allied Moulded Ultraguard® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Light gray color (RAL 7035)
- Clear, polycarbonate instrumentation cover
- 304 stainless steel lockable latches, and hinge pin
- Partially molded hinge and molded latch keeper
- Gasket made of closed cell neoprene cord encased in a continuous tongue and groove channel
- Polycarbonate flanges (installed) or mounting feet (bagged) with four 304 stainless steel screws
- 10-32 threaded brass inserts are installed for back panel mounting

ACCESSORIES

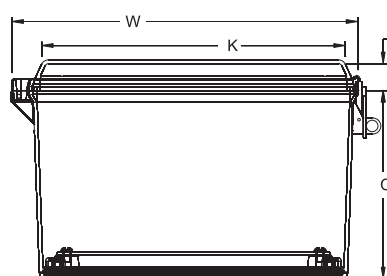
- Optional back panels and hinged front panels
- Optional thermal management products

MODIFICATIONS

- Custom holes and cutouts
- Molded-in color matches
- EMI/RFI shielding
- Factory-supplied silk screening



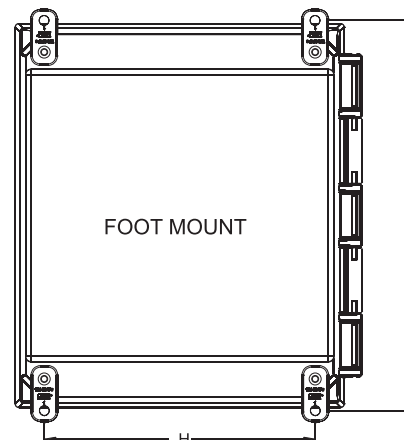
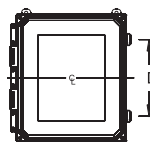
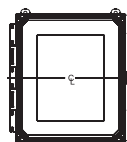
Note: Cover Removed for Clarity



LATCH LOCATIONS

FOR USE ON
6x6x4
8x6x4
10x8x4
10x8x6

FOR USE ON
12x10x6 D=7.50 (191mm)
14x12x6 D=8.00 (203mm)
16x14x8 D=9.00 (229mm)
18x16x8 D=9.50 (241mm)
20x18x8 D=10.25 (260mm)



Part No.	Box Size			Usable Depth F	Panel Boss Centers		Flange Mount Centers		Foot Mount Centers		Cover Size				Nom. Wall Thickness
	A	B	C		S	Z	J	I	H	L	K	M	W	U	
AMU664CCT(F*)	6.05 154mm	6.27 159mm	4.13 105mm	4.11 104mm	4.25 108mm	4.25 108mm	4.00 102mm	6.88, 6.75 175, 171mm	4.91 125mm	6.75 171mm	5.89 150mm	5.67 144mm	6.72 171mm	6.50 165mm	0.13 3 mm
AMU864CCT(F*)	8.05 204mm	6.27 159mm	4.13 105mm	4.11 104mm	6.25 159mm	4.25 108mm	4.00 102mm	8.88, 8.75 226, 222mm	4.91 125mm	8.75 222mm	5.89 150mm	7.67 195mm	6.72 171mm	8.50 216mm	0.13 3 mm
AMU1084CCT(F*)	10.05 255mm	8.27 210mm	4.13 105mm	4.11 104mm	8.25 210mm	6.25 159mm	6.00 152mm	10.75 273mm	6.91 176mm	10.75 273mm	7.89 200mm	9.67 246mm	8.72 221mm	10.50 267mm	0.13 3 mm
AMU1206CCT(F*)	12.05 306mm	10.27 261mm	6.13 156mm	6.11 155mm	10.25 260mm	8.25 210mm	8.00 203mm	12.75 324mm	8.82 224mm	12.70 323mm	9.89 251mm	11.67 296mm	10.72 272mm	12.50 318mm	0.13 3 mm
AMU1426CCT(F*)	14.05 357mm	12.27 312mm	6.13 156mm	6.11 155mm	12.25 311mm	10.25 260mm	10.00 254mm	14.75, 14.62 375, 371mm	10.82 275mm	14.70 373mm	11.89 302mm	13.67 347mm	12.72 323mm	14.50 368mm	0.13 3 mm
AMU1648CCT(F*)	16.05 408mm	14.27 362mm	8.13 207mm	8.11 206mm	14.25 362mm	12.25 311mm	12.00 305mm	16.75 425mm	11.47 291mm	16.91 430mm	13.89 353mm	15.67 398mm	14.72 374mm	16.50 419mm	0.14 4 mm

*Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMU664CCT)

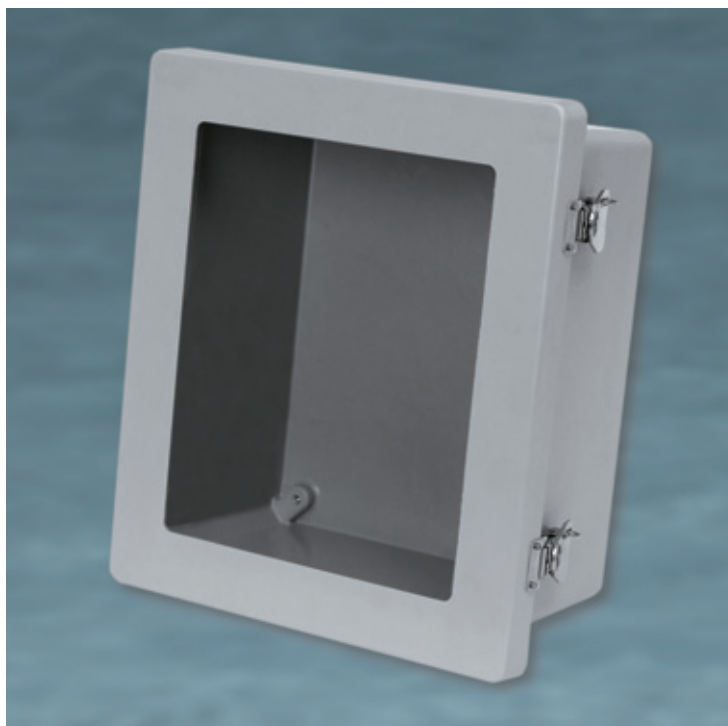
Add "F" to the part number for factory installed flanges (ex. AMU664CCTF)

"I" dimensions with multiple numbers indicate slotted holes

All dimensions are in inches unless otherwise noted



Order Today: 419-636-4217, Fax: 419-636-2450, e-mail: sales@alliedmoulded.com



AM Series

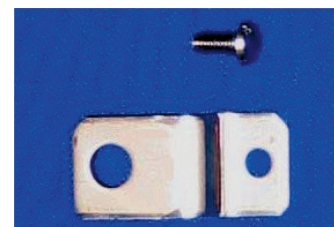
AM Series boxes are designed to insulate and protect controls and components in both indoor and outdoor applications and are especially well suited for high temperature or corrosive environments. They feature flat covers with a variety of latching options that allow you to provide the level of security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

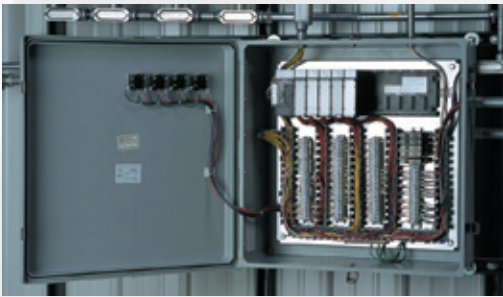
AM Series Features & Benefits

- Molded Ultraguard® fiberglass reinforced polyester material construction for durability
- Continuous stainless steel hinge
- Closed-cell neoprene gasket encased in continuous channel
- Matching flat cover
- 304 stainless steel hardware and mounting feet
- Mounting panel inserts for optional back panel
- UV stabilized for outdoor use



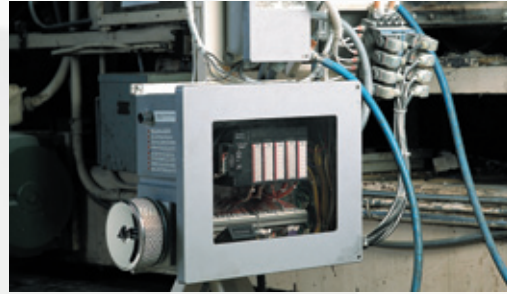
Suitable Applications

- Electrical junctions
- Terminal wiring
- Electrical and electronic controls, instruments, components
- Housing pushbuttons, switches and other devices
- Other industrial control equipment



AM Series Specifications

- Non-corrosive
- Non-conductive
- 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 galvanized steel
- UV resistant polycarbonate viewing windows
- Thermal management products

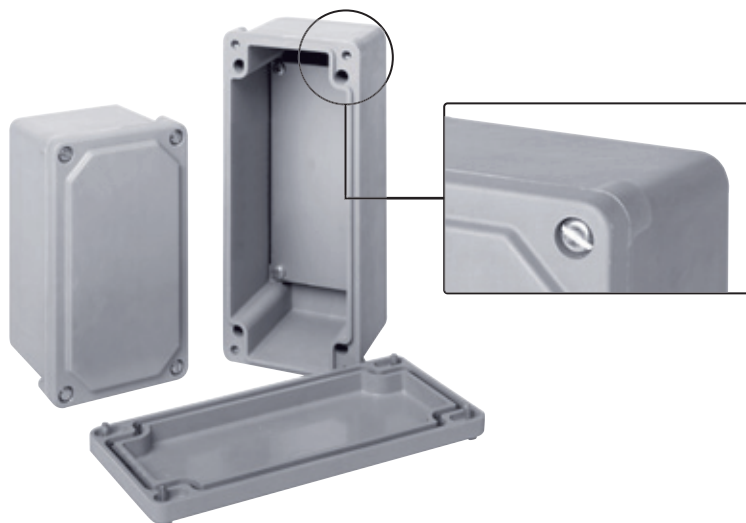
Modifications

We are pleased to modify any of our standard products to fit your needs. We have the lowest volume requirements on custom work in the industry, and quick turnaround time.

We can modify any of our AM Series enclosures with:

- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matches
- 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 106-108.



AM Series Small Junction Boxes: Lift-Off Screw Cover

A P P L I C A T I O N

- 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 in ordinary locations

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 specifications
- UL 508 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified LR 89590 for use with industrial control equipment CSA Enc. 1, 2, 3, 4, 4X, 12, 13
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

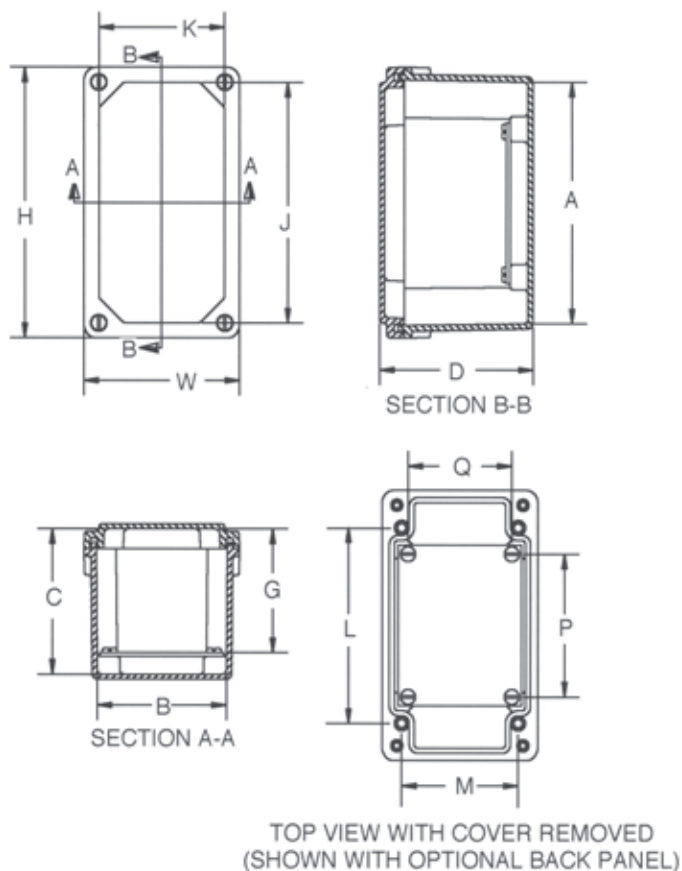
- Rugged, molded Ultraguard® fiberglass reinforced polyester material construction with reinforced corners
- Two standard sizes: 7" x 4" x 3" and 9" x 4" x 3"
- 304 Stainless steel captive cover screws and mounting feet
- "Tongue and groove" type closed-cell neoprene gasket
- Threaded inserts for optional back panel
- UV stabilized for outdoor use

A C C E S S O R I E S

- Optional back panels

M O D I F I C A T I O N S

- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matches
- EMI/RFI shielding
- Factory-supplied silk screening



Optional Aluminum/Fiberglass Back Panel

Part No.	Height	Width
PA74, PF74	4.00 102mm	3.13 80mm
PA94, PF94	6.25 159mm	3.13 80mm

All dimensions are in inches unless otherwise noted.
Thickness; "PA" (.100) "PF" (.125)

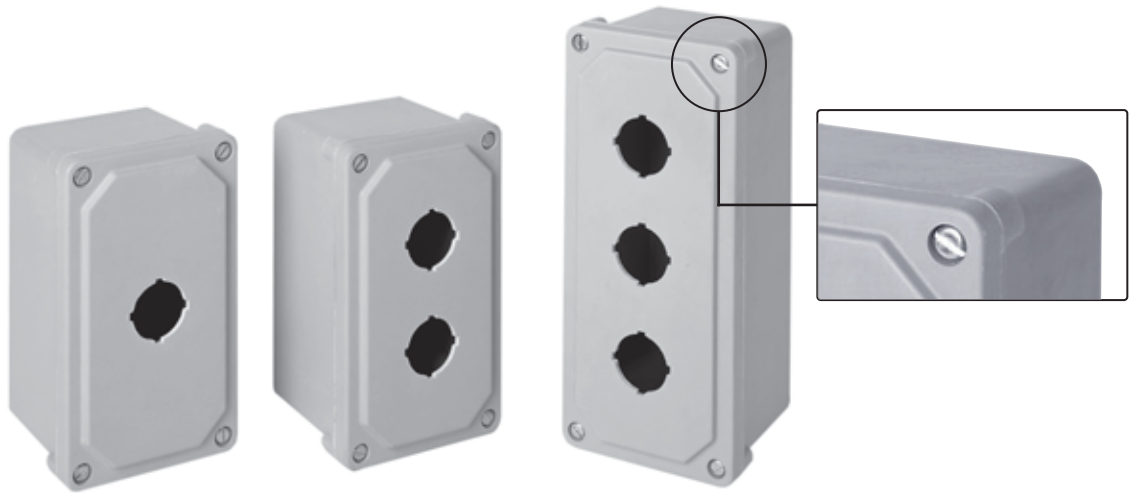
Part No.	Overall			Inside									
	H	W	D	A	B	C	G	J	K	L	M	P	Q
AM743	6.74 171mm	3.93 100mm	3.88 99mm	6.01 153mm	3.26 83mm	3.63 92mm	3.08 78mm	6.13 156mm	3.31 84mm	4.88 124mm	2.94 75mm	3.56 90mm	2.63 67mm
AM743(SF*)	6.74 171mm	3.93 100mm	3.88 99mm	6.01 153mm	3.26 83mm	3.63 92mm	3.08 78mm	6.13 156mm	3.31 84mm	4.88 124mm	2.94 75mm	3.56 90mm	2.63 67mm
AM943	8.99 228mm	3.93 100mm	3.88 99mm	8.26 210mm	3.26 83mm	3.63 92mm	3.08 78mm	8.31 211mm	3.31 84mm	7.13 181mm	2.94 75mm	5.81 148mm	2.63 67mm
AM943(SF*)	8.99 228mm	3.93 100mm	3.88 99mm	8.26 210mm	3.26 83mm	3.63 92mm	3.08 78mm	8.31 211mm	3.31 84mm	7.13 181mm	2.94 75mm	5.81 148mm	2.63 67mm

All dimensions are in inches unless otherwise noted.

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



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AM Series Pushbutton Enclosures: Inline Lift-Off Screw Cover

A P P L I C A T I O N

- 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 in ordinary locations

S T A N D A R D S

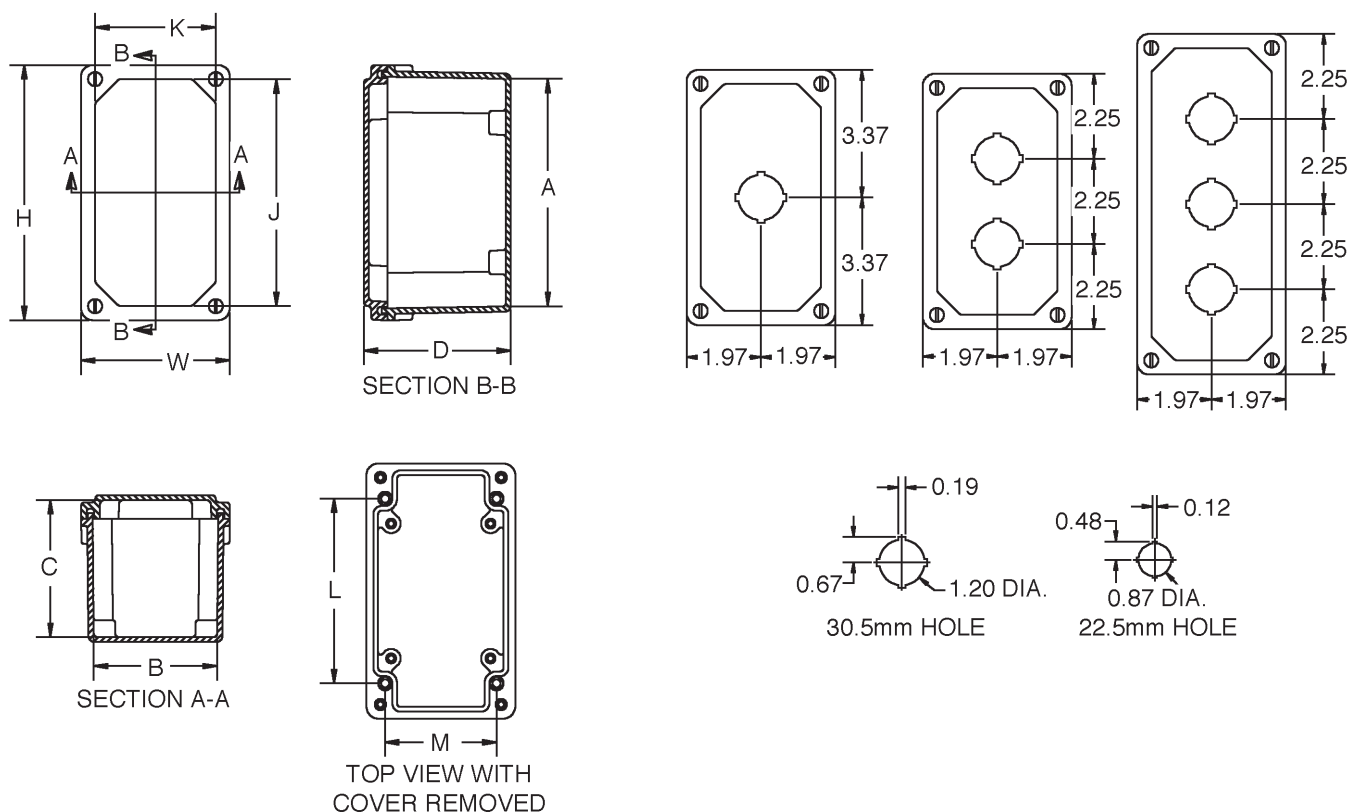
- Construction meets NEMA/EEMAC Type 4, 4X, 12 specifications
- UL 508 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified LR 89590 for use with industrial control equipment CSA Enc. 1, 2, 3, 4, 4X, 12, 13
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

- Rugged, molded Ultraguard® fiberglass reinforced polyester material construction with reinforced corners
- Available with either 30.5mm or 22.5mm holes
- 304 stainless steel captive cover screws
- “Tongue and groove” type closed-cell neoprene gasket
- Grounding strap included
- UV stabilized for outdoor use

M O D I F I C A T I O N S

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

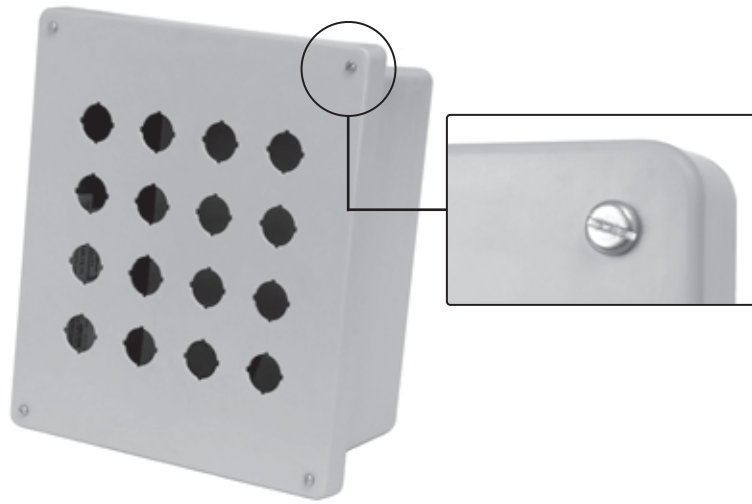


Part No.	Overall			Inside			J	K	L	M	Holes	Size
	H	W	D	A	B	C						
AM1PB	6.74 171mm	3.93 100mm	3.88 99mm	6.01 153mm	3.26 83mm	3.63 92mm	6.13 156mm	3.31 84mm	4.88 124mm	2.94 75mm	1 1	1.20 30.5mm
AM1PB22	6.74 171mm	3.93 100mm	3.88 99mm	6.01 153mm	3.26 83mm	3.63 92mm	6.13 156mm	3.31 84mm	4.88 124mm	2.94 75mm	1 1	0.87 22.5mm
AM2PB	6.74 171mm	3.93 100mm	3.88 99mm	6.01 153mm	3.26 83mm	3.63 92mm	6.13 156mm	3.31 84mm	4.88 124mm	2.94 75mm	2 2	1.20 30.5mm
AM2PB22	6.74 171mm	3.93 100mm	3.88 99mm	6.01 153mm	3.26 83mm	3.63 92mm	6.13 156mm	3.31 84mm	4.88 124mm	2.94 75mm	2 2	0.87 22.5mm
AM3PB	8.99 228mm	3.93 100mm	3.88 99mm	8.26 210mm	3.26 83mm	3.63 92mm	8.31 211mm	3.31 84mm	7.13 181mm	2.94 75mm	3 3	1.20 30.5mm
AM3PB22	8.99 228mm	3.93 100mm	3.88 99mm	8.26 210mm	3.26 83mm	3.63 92mm	8.31 211mm	3.31 84mm	7.13 181mm	2.94 75mm	3 3	0.87 22.5mm

All dimensions are in inches unless otherwise noted.



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AM Series Pushbutton Enclosures: Multi-Hole Lift-Off Screw Cover

A P P L I C A T I O N

- 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 in ordinary locations

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 specifications
- UL 508 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified LR 89590 for use with industrial control equipment CSA Enc. 1, 2, 3, 4, 4X, 12, 13
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

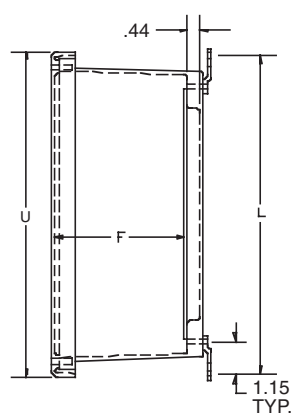
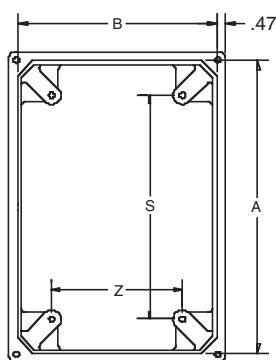
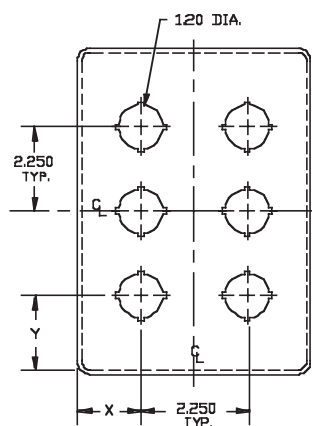
- Constructed to requirements of CSA Enc. 5 based on standard component cutout
- Strong, molded Ultraguard® fiberglass reinforced polyester material construction
- 304 stainless steel captive cover screws
- Gasket made of closed cell neoprene cord encased in a continuous channel
- 304 stainless steel wall mounting feet with 10-32 stainless steel screws included
- 10-32 threaded inserts are installed for optional back panel
- UV stabilized for outdoor use

A C C E S S O R I E S

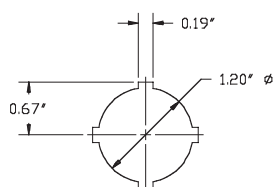
- Optional back panels (See table on pages 102-103.)

M O D I F I C A T I O N S

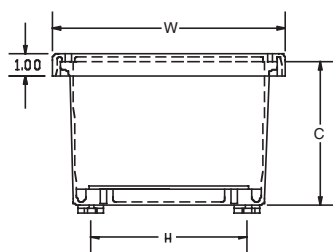
- Molded-in color matches
- EMI/RFI shielding
- Factory-supplied silk screening



Note: Cover removed for clarity

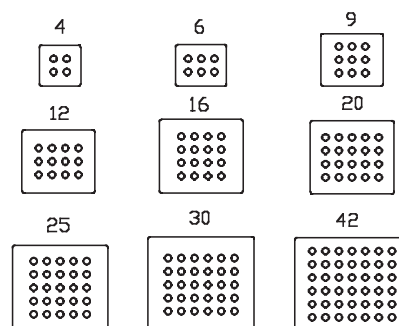


30.5mm HOLE DETAIL
STANDARD 4-WAY



Nominal 1/8" wall thickness

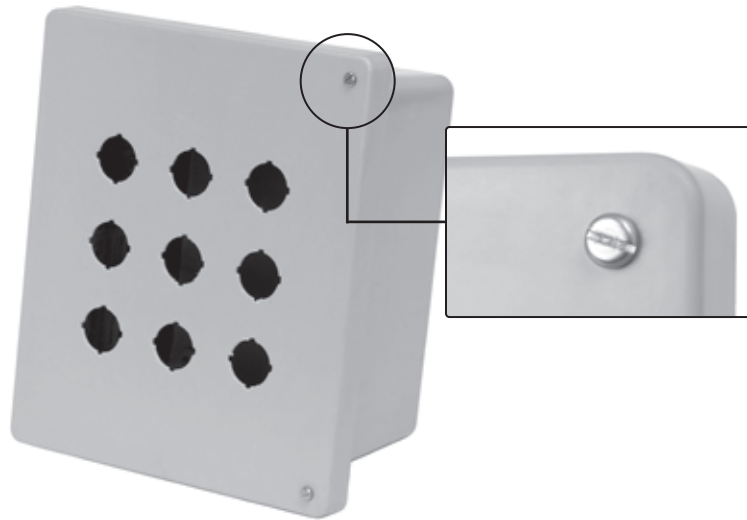
Pushbutton Arrangements



Part No.	Box Size			Usable Depth	Panel Boss Centers		Foot Mount Centers		Cover Size		No. of Holes	X Y	
	A	B	C		F	S	Z	H	L	U			
AM664P4	6.10 155mm	6.10 155mm	4.18 106mm	3.76 96mm	4.25 108mm	4.25 108mm	5.01 127mm	7.32 186mm	7.69 195mm	7.69 195mm	4	2.72 69mm	2.72 69mm
AM864P6	8.00 203mm	6.13 156mm	4.13 105mm	3.68 93mm	6.25 159mm	4.25 108mm	5.01 127mm	9.19 233mm	9.59 244mm	7.71 196mm	6	2.72 69mm	2.55 65mm
AM1084P9	10.14 258mm	8.26 210mm	4.13 105mm	3.68 93mm	8.25 210mm	6.25 159mm	7.01 178mm	11.19 284mm	11.73 298mm	9.85 250mm	9	2.68 68mm	3.62 92mm
AM1086P9	10.14 258mm	8.26 210mm	6.13 156mm	5.68 144mm	8.25 210mm	6.25 159mm	7.01 178mm	11.19 284mm	11.73 298mm	9.85 250mm	9	2.68 68mm	3.62 92mm
AM1086P12	10.14 258mm	8.26 210mm	6.13 156mm	5.68 144mm	8.25 210mm	6.25 159mm	7.01 178mm	11.19 284mm	11.73 298mm	9.85 250mm	12	2.68 68mm	2.49 63mm
AM1206P16	12.14 308mm	10.26 261mm	6.13 156mm	5.68 144mm	10.25 260mm	8.25 210mm	9.01 229mm	13.19 335mm	13.73 349mm	11.85 301mm	16	2.55 65mm	3.49 89mm
AM1206P20	12.14 308mm	10.26 261mm	6.13 156mm	5.68 144mm	10.25 260mm	8.25 210mm	9.01 229mm	13.19 335mm	13.73 349mm	11.85 301mm	20	2.55 65mm	2.37 60mm
AM1426P25	14.13 359mm	12.26 311mm	6.13 156mm	5.68 144mm	12.25 311mm	10.25 260mm	11.01 280mm	15.19 386mm	15.73 400mm	13.85 352mm	25	2.43 62mm	3.37 86mm
AM1648P30	16.27 413mm	14.40 366mm	8.13 207mm	7.68 195mm	14.25 362mm	12.25 311mm	13.01 330mm	17.19 437mm	17.87 454mm	15.99 406mm	30	3.50 89mm	3.31 84mm
AM1868P42	18.4 467mm	16.40 417mm	8.13 207mm	7.68 195mm	16.25 413mm	14.25 362mm	14.97 380mm	19.28 490mm	20.00 508mm	18.00 457mm	42	3.38 86mm	3.25 83mm

All dimensions are in inches unless otherwise noted.





AM Series Pushbutton Enclosures: Multi-Hole Hinged Screw Cover

A P P L I C A T I O N

- 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 in ordinary locations

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 specifications
- UL 508 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified LR 89590 for use with industrial control equipment CSA Enc. 1, 2, 3, 4, 4X, 12, 13
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

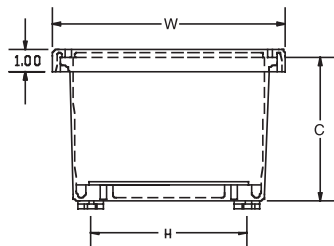
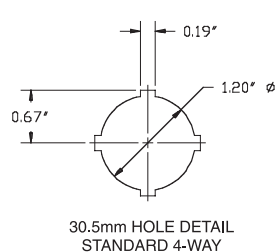
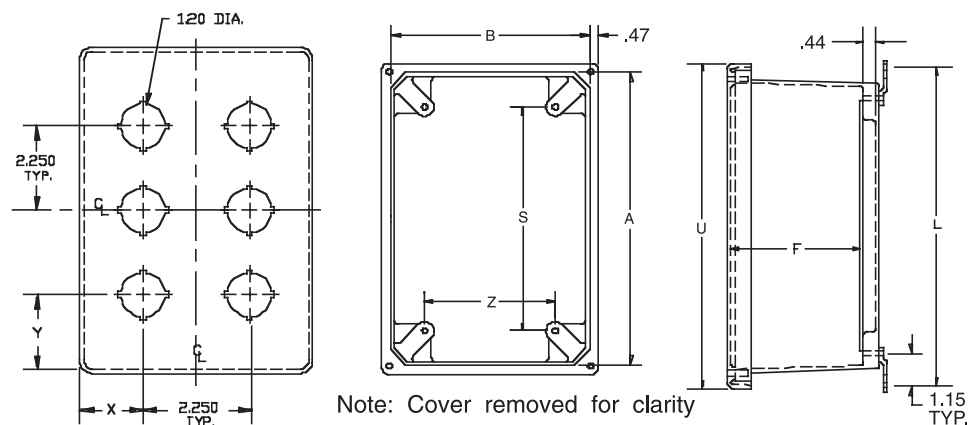
- Constructed to requirements of CSA Enc. 5 based on standard component cutout
- Strong, molded Ultraguard® fiberglass reinforced polyester material construction
- 304 stainless steel captive cover screws
- Continuous stainless steel hinge
- Gasket made of closed cell neoprene cord encased in a continuous channel
- 304 stainless steel wall mounting feet with 10-32 stainless steel screws included
- 10-32 threaded inserts are installed for optional back panel
- UV stabilized for outdoor use

A C C E S S O R I E S

- Optional back panels (See table on pages 102-103.)

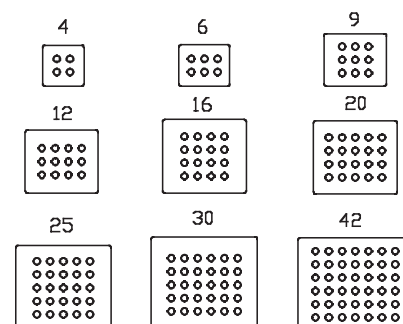
M O D I F I C A T I O N S

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



Nominal 1/8" wall thickness

Pushbutton Arrangements

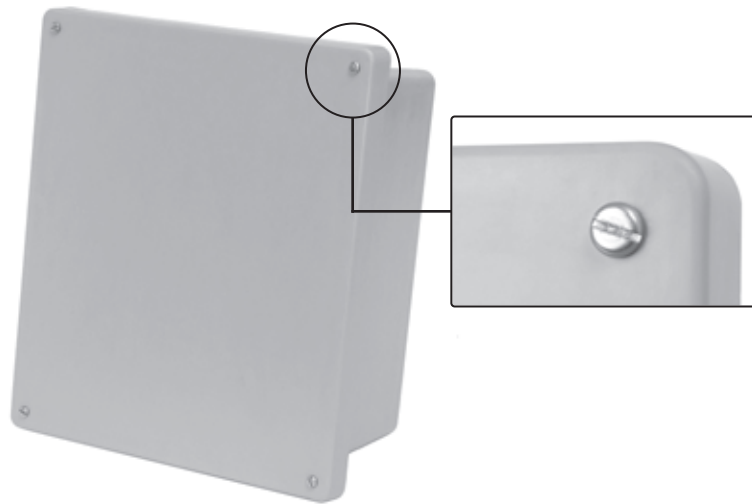


Part No.	Box Size			Usable Depth	Panel Boss Centers		Foot Mount Centers		Cover Size		No. of Holes	X Y	
	A	B	C		F	S	Z	H	L	U			
AM664HP4	6.10	6.10	4.18	3.76	4.25	4.25	5.01	7.32	7.69	7.69	4	2.72	2.72
	155mm	155mm	106mm	96mm	108mm	108mm	127mm	186mm	195mm	195mm		69mm	69mm
AM864HP6	8.00	6.13	4.13	3.68	6.25	4.25	5.01	9.19	9.59	7.71	6	2.72	2.55
	203mm	156mm	105mm	93mm	159mm	108mm	127mm	233mm	244mm	196mm		69mm	65mm
AM1084HP9	10.14	8.26	4.13	3.68	8.25	6.25	7.01	11.19	11.73	9.85	9	2.68	3.62
	258mm	210mm	105mm	93mm	210mm	159mm	178mm	284mm	298mm	250mm		68mm	92mm
AM1086HP9	10.14	8.26	6.13	5.68	8.25	6.25	7.01	11.19	11.73	9.85	9	2.68	3.62
	258mm	210mm	156mm	144mm	210mm	159mm	178mm	284mm	298mm	250mm		68mm	92mm
AM1086HP12	10.14	8.26	6.13	5.68	8.25	6.25	7.01	11.19	11.73	9.85	12	2.68	2.49
	258mm	210mm	156mm	144mm	210mm	159mm	178mm	284mm	298mm	250mm		68mm	63mm
AM1206HP16	12.14	10.26	6.13	5.68	10.25	8.25	9.01	13.19	13.73	11.85	16	2.55	3.49
	308mm	261mm	156mm	144mm	260mm	210mm	229mm	335mm	349mm	301mm		65mm	89mm
AM1206HP20	12.14	10.26	6.13	5.68	10.25	8.25	9.01	13.19	13.73	11.85	20	2.55	2.37
	308mm	261mm	156mm	144mm	260mm	210mm	229mm	335mm	349mm	301mm		65mm	60mm
AM1426HP25	14.13	12.26	6.13	5.68	12.25	10.25	11.01	15.19	15.73	13.85	25	2.43	3.37
	359mm	311mm	156mm	144mm	311mm	260mm	280mm	386mm	400mm	352mm		62mm	86mm
AM1648HP30	16.27	14.40	8.13	7.68	14.25	12.25	13.01	17.19	17.87	15.99	30	3.50	3.31
	413mm	366mm	207mm	195mm	362mm	311mm	330mm	437mm	454mm	406mm		89mm	84mm
AM1868HP42	18.40	16.40	8.13	7.68	16.25	14.25	14.97	19.28	20.00	18.00	42	3.38	3.25
	467mm	417mm	207mm	195mm	413mm	362mm	380mm	490mm	508mm	457mm		86mm	83mm

All dimensions are in inches unless otherwise noted.



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AM Series JIC Size Junction Boxes: Lift-Off Screw Cover

A P P L I C A T I O N

- Designed to insulate and protect controls and components in both indoor and outdoor applications
- Especially well suited for high temperature or corrosive environments
- Protects from dirt, dust, oil and water
- For use with industrial control equipment in ordinary locations

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 specifications
- UL 508 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified LR 89590 for use with industrial control equipment CSA Enc. 1, 2, 3, 4, 4X, 12, 13
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

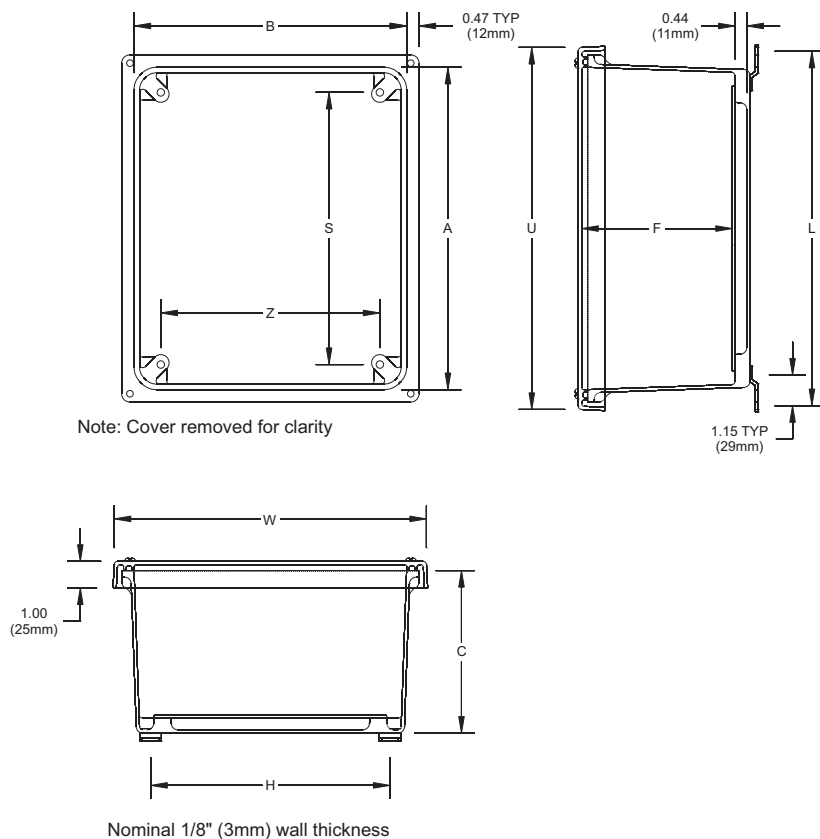
- Strong, molded Ultraguard® fiberglass reinforced polyester material construction with matching flat cover
- 304 stainless steel captive cover screws
- Gasket made of closed cell neoprene cord encased in a continuous channel
- 304 stainless steel wall mounting feet with 10-32 stainless steel screws included
- 10-32 threaded inserts are installed for optional back panel
- JIC sizing
- Ultraguard® fiberglass material is easily punched, drilled or sawed
- UV stabilized for outdoor use

A C C E S S O R I E S

- Optional back panels (See table on pages 102-103.)
- Optional thermal management products (See pages 104-105.)

M O D I F I C A T I O N S

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

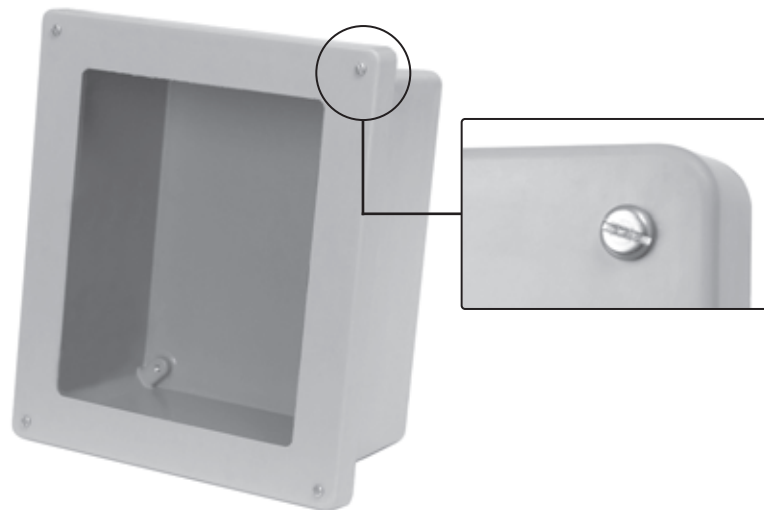


Box Size				Usable Depth	Panel Boss Centers		Foot Mount Centers		Cover Size	
Part No.	A	B	C	F	S	Z	H	L	U	W
AM664	6.10	6.10	4.18	3.76	4.25	4.25	5.01	7.32	7.69	7.69
	155mm	155mm	106mm	96mm	108mm	108mm	127mm	186mm	195mm	195mm
AM864	8.00	6.13	4.13	3.68	6.25	4.25	5.01	9.19	9.59	7.71
	203mm	156mm	105mm	93mm	159mm	108mm	127mm	233mm	244mm	196mm
AM1084	10.14	8.26	4.13	3.68	8.25	6.25	7.01	11.19	11.73	9.85
	258mm	210mm	105mm	93mm	210mm	159mm	178mm	284mm	298mm	250mm
AM1086	10.14	8.26	6.13	5.68	8.25	6.25	7.01	11.19	11.73	9.85
	258mm	210mm	156mm	144mm	210mm	159mm	178mm	284mm	298mm	250mm
AM1206	12.14	10.26	6.13	5.68	10.25	8.25	9.01	13.19	13.73	11.85
	308mm	261mm	156mm	144mm	260mm	210mm	229mm	335mm	349mm	301mm
AM1426	14.13	12.26	6.13	5.68	12.25	10.25	11.01	15.19	15.73	13.85
	359mm	311mm	156mm	144mm	311mm	260mm	280mm	386mm	400mm	352mm
AM1648	16.27	14.40	8.13	7.68	14.25	12.25	13.01	17.19	17.87	15.99
	413mm	366mm	207mm	195mm	362mm	311mm	330mm	437mm	454mm	406mm
AM1868	18.40	16.40	8.13	7.68	16.25	14.25	14.97	19.28	20.00	18.00
	467mm	417mm	207mm	195mm	413mm	362mm	380mm	490mm	508mm	457mm
AM2068	20.00	16.00	8.13	7.68	17.81	13.81	14.54	20.84	21.59	17.59
	508mm	406mm	207mm	195mm	452mm	351mm	369mm	529mm	548mm	447mm

All dimensions are in inches unless otherwise noted.



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AM Series JIC Size Junction Boxes: Lift-Off Screw Cover With Window

A P P L I C A T I O N

- 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
- For use with industrial control equipment in ordinary locations
- Window unit provides viewing area for instrumentation or equipment

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 specifications
- UL 508 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified LR 89590 for use with industrial control equipment CSA Enc. 1, 2, 3, 4, 4X, 12, 13
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

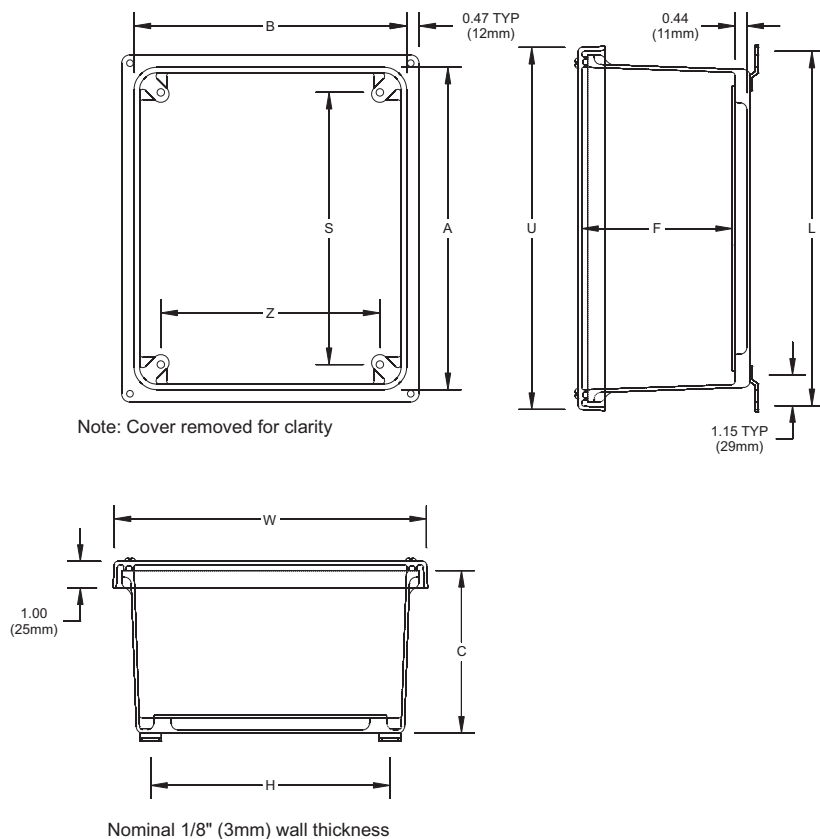
- Strong, molded Ultraguard® fiberglass reinforced polyester material construction with matching flat cover
- UV resistant polycarbonate viewing window
- 304 stainless steel captive cover screws
- Gasket made of closed cell neoprene cord encased in a continuous channel
- 304 stainless steel wall mounting feet with 10-32 stainless steel screws included
- 10-32 threaded inserts are installed for optional back panel
- JIC sizing
- Ultraguard® fiberglass material is easily punched, drilled or sawed
- UV stabilized for outdoor use

A C C E S S O R I E S

- Optional back panels (See table on pages 102-103.)
- Optional thermal management products (See pages 104-105.)

M O D I F I C A T I O N S

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

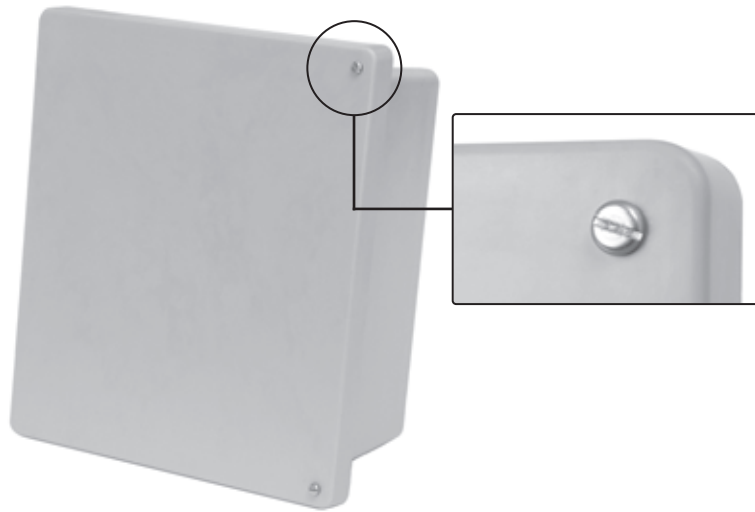


Part No.	Box Size			Usable Depth F	Panel Boss Centers		Foot Mount Centers		Cover Size		Window Dimension (height x width)
	A	B	C		S	Z	H	L	U	W	
AM664W	6.10 155mm	6.10 155mm	4.18 106mm	3.76 96mm	4.25 108mm	4.25 108mm	5.01 127mm	7.32 186mm	7.69 195mm	7.69 195mm	4.25 X 4.25 108mm X 108mm
AM864W	8.00 203mm	6.13 156mm	4.13 105mm	3.68 93mm	6.25 159mm	4.25 108mm	5.01 127mm	9.19 233mm	9.59 244mm	7.71 196mm	6.25 X 4.25 159mm X 108mm
AM1084W	10.14 258mm	8.26 210mm	4.13 105mm	3.68 93mm	8.25 210mm	6.25 159mm	7.01 178mm	11.19 284mm	11.73 298mm	9.85 250mm	8.38 X 6.50 213mm X 159mm
AM1086W	10.14 258mm	8.26 210mm	6.13 156mm	5.68 144mm	8.25 210mm	6.25 159mm	7.01 178mm	11.19 284mm	11.73 298mm	9.85 250mm	8.38 X 6.50 213mm X 159mm
AM1206W	12.14 308mm	10.26 261mm	6.13 156mm	5.68 144mm	10.25 260mm	8.25 210mm	9.01 229mm	13.19 335mm	13.73 349mm	11.85 301mm	10.38 X 8.50 264mm X 216mm
AM1426W	14.13 359mm	12.26 311mm	6.13 156mm	5.68 144mm	12.25 311mm	10.25 260mm	11.01 280mm	15.19 386mm	15.73 400mm	13.85 352mm	12.38 X 10.50 314mm X 267mm
AM1648W	16.27 413mm	14.40 366mm	8.13 207mm	7.68 195mm	14.25 362mm	12.25 311mm	13.01 330mm	17.19 437mm	17.87 454mm	15.99 406mm	13.00 X 11.00 330mm X 279mm
AM1868W	18.40 467mm	16.40 417mm	8.13 207mm	7.68 195mm	16.25 413mm	14.25 362mm	14.97 380mm	19.28 490mm	20.00 508mm	18.00 457mm	14.00 X 12.00 356mm X 305mm
AM2068W	20.00 508mm	16.00 406mm	8.13 207mm	7.68 195mm	17.81 452mm	13.81 351mm	14.54 369mm	20.84 529mm	21.59 548mm	17.59 447mm	15.00 x 11.00 381mm X 279mm

All dimensions are in inches unless otherwise noted.



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AM Series JIC Size Junction Boxes: Hinged Screw Cover

A P P L I C A T I O N

- 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
- For use with industrial control equipment in ordinary locations

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 specifications
- UL 508 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified LR 89590 for use with industrial control equipment CSA Enc. 1, 2, 3, 4, 4X, 12, 13
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

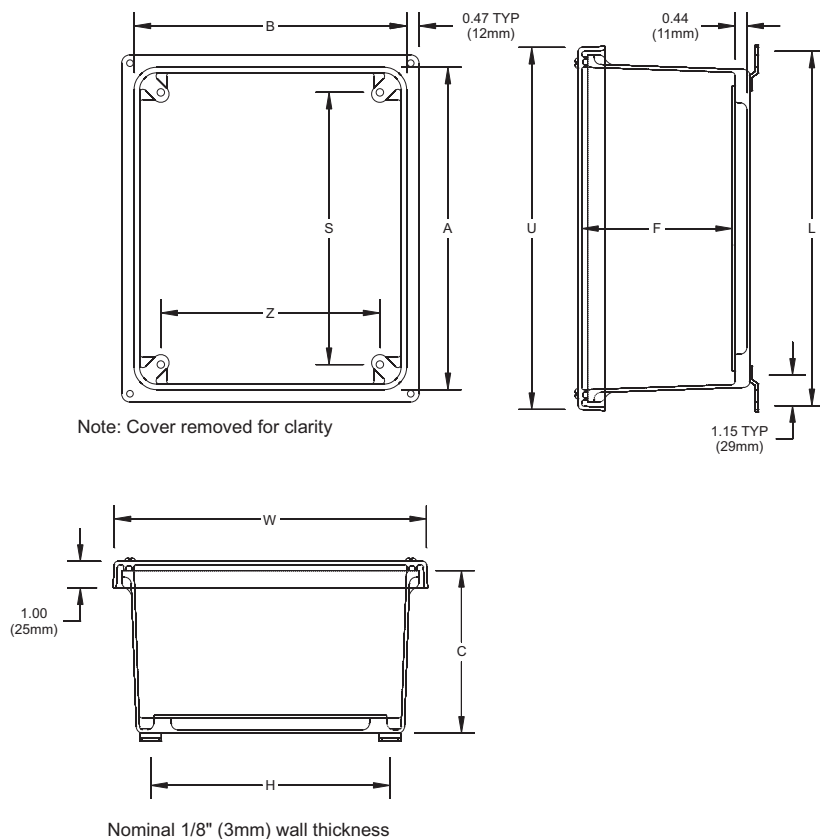
- Strong, molded Ultraguard® fiberglass reinforced polyester material construction with matching flat cover
- 304 stainless steel captive cover screws
- Continuous stainless steel hinge
- Gasket made of closed cell neoprene cord encased in a continuous channel
- 304 stainless steel wall mounting feet with 10-32 stainless steel screws included
- 10-32 threaded inserts are installed for optional back panel
- JIC sizing
- Ultraguard® fiberglass material is easily punched, drilled or sawed
- UV stabilized for outdoor use

A C C E S S O R I E S

- Optional back panels (See table on pages 102-103.)
- Optional thermal management products (See pages 104-105.)

M O D I F I C A T I O N S

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

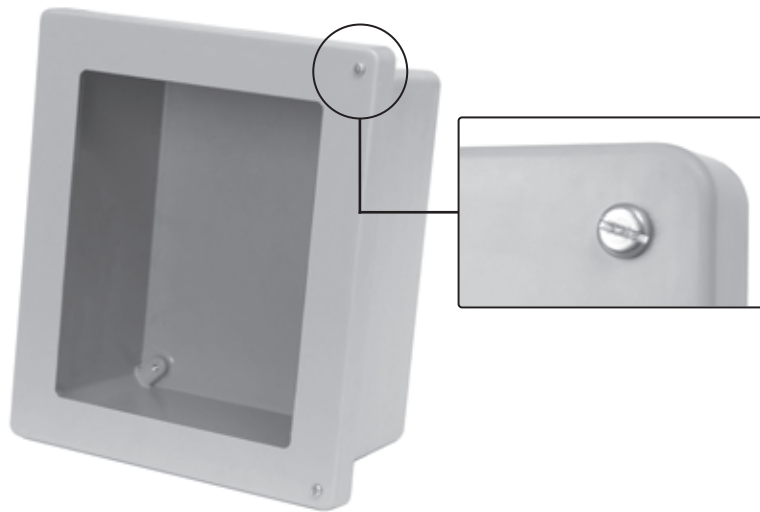


Box Size				Usable Depth	Panel Boss Centers		Foot Mount Centers		Cover Size	
Part No.	A	B	C	F	S	Z	H	L	U	W
AM664H	6.10	6.10	4.18	3.76	4.25	4.25	5.01	7.32	7.69	7.69
	155mm	155mm	106mm	96mm	108mm	108mm	127mm	186mm	195mm	195mm
AM864H	8.00	6.13	4.13	3.68	6.25	4.25	5.01	9.19	9.59	7.71
	203mm	156mm	105mm	93mm	159mm	108mm	127mm	233mm	244mm	196mm
AM1084H	10.14	8.26	4.13	3.68	8.25	6.25	7.01	11.19	11.73	9.85
	258mm	210mm	105mm	93mm	210mm	159mm	178mm	284mm	298mm	250mm
AM1086H	10.14	8.26	6.13	5.68	8.25	6.25	7.01	11.19	11.73	9.85
	258mm	210mm	156mm	144mm	210mm	159mm	178mm	284mm	298mm	250mm
AM1206H	12.14	10.26	6.13	5.68	10.25	8.25	9.01	13.19	13.73	11.85
	308mm	261mm	156mm	144mm	260mm	210mm	229mm	335mm	349mm	301mm
AM1426H	14.13	12.26	6.13	5.68	12.25	10.25	11.01	15.19	15.73	13.85
	359mm	311mm	156mm	144mm	311mm	260mm	280mm	386mm	400mm	352mm
AM1648H	16.27	14.40	8.13	7.68	14.25	12.25	13.01	17.19	17.87	15.99
	413mm	366mm	207mm	195mm	362mm	311mm	330mm	437mm	454mm	406mm
AM1868H	18.40	16.40	8.13	7.68	16.25	14.25	14.97	19.28	20.00	18.00
	467mm	417mm	207mm	195mm	413mm	362mm	380mm	490mm	508mm	457mm
AM2068H	20.00	16.00	8.13	7.68	17.81	13.81	14.54	20.84	21.59	17.59
	508mm	406mm	207mm	195mm	452mm	351mm	369mm	529mm	548mm	447mm

All dimensions are in inches unless otherwise noted.



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AM Series JIC Size Junction Boxes: Hinged Screw Cover With Window

A P P L I C A T I O N

- 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

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 specifications
- UL 508 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified LR 89590 for use with industrial control equipment CSA Enc. 1, 2, 3, 4, 4X, 12, 13
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

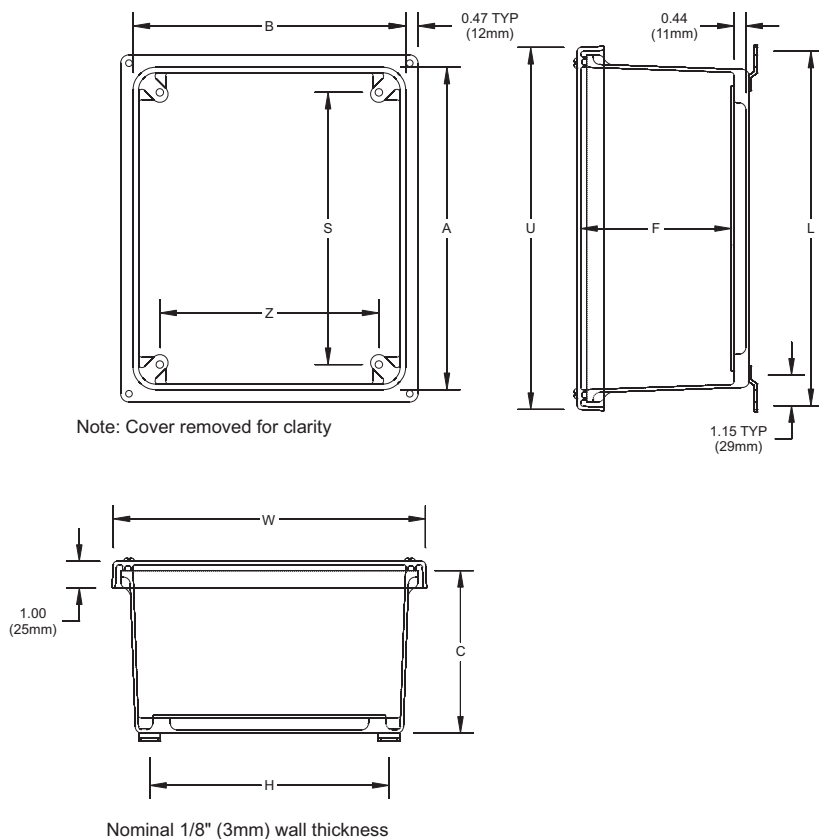
- Strong, molded Ultraguard® fiberglass reinforced polyester material construction with matching flat cover
- UV resistant polycarbonate viewing window
- 304 stainless steel captive cover screws
- Continuous stainless steel hinge
- Gasket made of closed cell neoprene cord encased in a continuous channel
- 304 stainless steel wall mounting feet with 10-32 stainless steel screws included
- 10-32 threaded inserts are installed for optional back panel
- JIC sizing
- Ultraguard® fiberglass material is easily punched, drilled or sawed
- UV stabilized for outdoor use

A C C E S S O R I E S

- Optional back panels (See table on pages 102-103.)
- Optional thermal management products (See pages 104-105.)

M O D I F I C A T I O N S

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



Part No.	Box Size			Usable Depth F	Panel Boss Centers		Foot Mount Centers		Cover Size		Window Dimension (height x width)
	A	B	C		S	Z	H	L	U	W	
AM664HW	6.10 155mm	6.10 155mm	4.18 106mm	3.76 96mm	4.25 108mm	4.25 108mm	5.01 127mm	7.32 186mm	7.69 195mm	7.69 195mm	4.25 X 4.25 108mm X 108mm
AM864HW	8.00 203mm	6.13 156mm	4.13 105mm	3.68 93mm	6.25 159mm	4.25 108mm	5.01 127mm	9.19 233mm	9.59 244mm	7.71 196mm	6.25 X 4.25 159mm X 108mm
AM1084HW	10.14 258mm	8.26 210mm	4.13 105mm	3.68 93mm	8.25 210mm	6.25 159mm	7.01 178mm	11.19 284mm	11.73 298mm	9.85 250mm	8.38 X 6.50 213mm X 159mm
AM1086HW	10.14 258mm	8.26 210mm	6.13 156mm	5.68 144mm	8.25 210mm	6.25 159mm	7.01 178mm	11.19 284mm	11.73 298mm	9.85 250mm	8.38 X 6.50 213mm X 159mm
AM1206HW	12.14 308mm	10.26 261mm	6.13 156mm	5.68 144mm	10.25 260mm	8.25 210mm	9.01 229mm	13.19 335mm	13.73 349mm	11.85 301mm	10.38 X 8.50 264mm X 216mm
AM1426HW	14.13 359mm	12.26 311mm	6.13 156mm	5.68 144mm	12.25 311mm	10.25 260mm	11.01 280mm	15.19 386mm	15.73 400mm	13.85 352mm	12.38 X 10.50 314mm X 267mm
AM1648HW	16.27 413mm	14.40 366mm	8.13 207mm	7.68 195mm	14.25 362mm	12.25 311mm	13.01 330mm	17.19 437mm	17.87 454mm	15.99 406mm	13.00 X 11.00 330mm X 279mm
AM1868HW	18.40 467mm	16.40 417mm	8.13 207mm	7.68 195mm	16.25 413mm	14.25 362mm	14.97 380mm	19.28 490mm	20.00 508mm	18.00 457mm	14.00 X 12.00 356mm X 305mm
AM2068HW	20.00 508mm	16.00 406mm	8.13 207mm	7.68 195mm	17.81 452mm	13.81 351mm	14.54 369mm	20.84 529mm	21.59 548mm	17.59 447mm	15.00 x 11.00 381mm X 279mm

All dimensions are in inches unless otherwise noted.





AM Series JIC Size Junction Boxes: Snap Latch Hinged Cover

A P P L I C A T I O N

- 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

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 specifications
- UL 508 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified LR 89590 for use with industrial control equipment CSA Enc. 1, 2, 3, 4, 4X, 12, 13
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

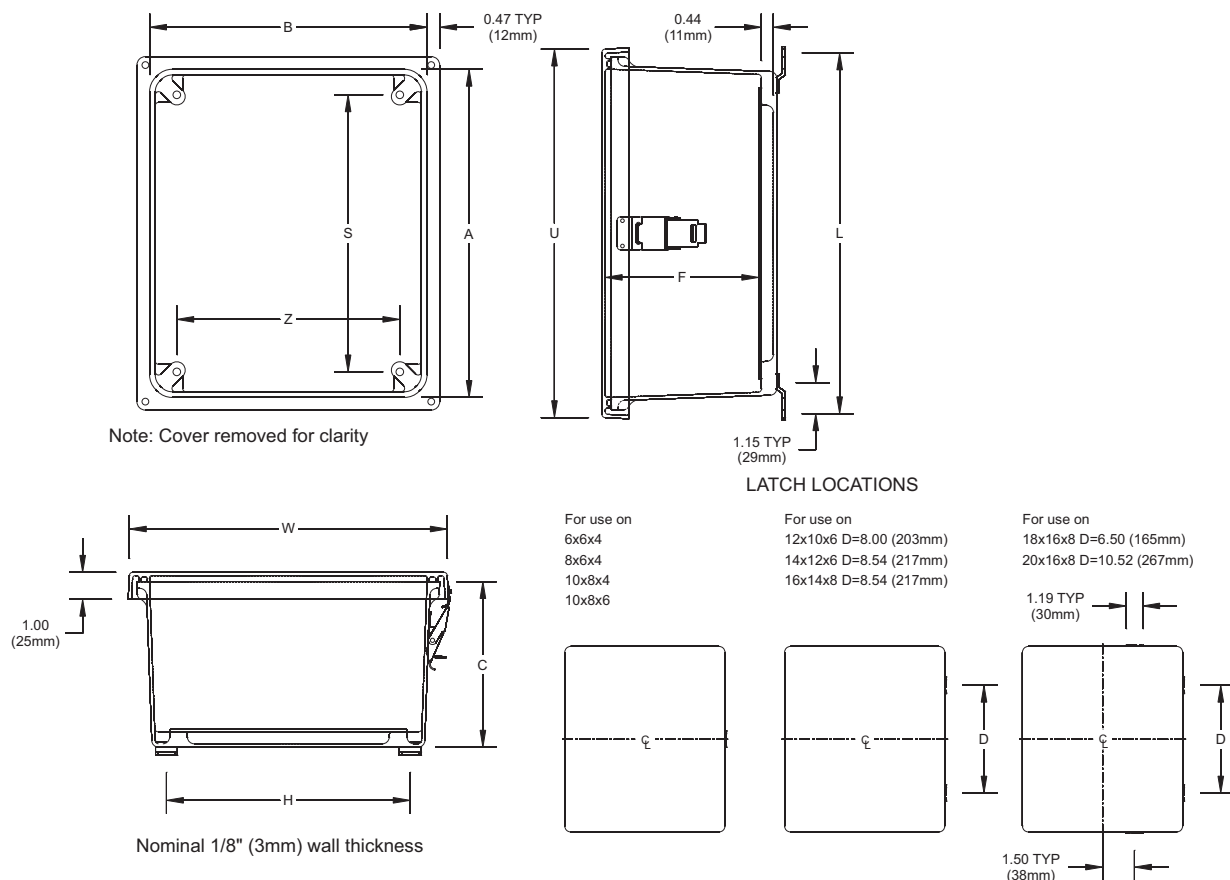
- Strong, molded Ultraguard® fiberglass reinforced polyester material construction with matching flat cover
- 304 stainless steel snap latches feature padlock hasp
- Continuous stainless steel hinge
- Gasket made of closed cell neoprene cord encased in a continuous channel
- 304 stainless steel wall mounting feet with 10-32 stainless steel screws included
- 10-32 threaded inserts are installed for optional back panel
- JIC sizing
- Ultraguard® fiberglass material is easily punched, drilled or sawed
- UV stabilized for outdoor use

A C C E S S O R I E S

- Optional back panels (See table on pages 102-103.)
- Optional thermal management products (See pages 104-105.)

M O D I F I C A T I O N S

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

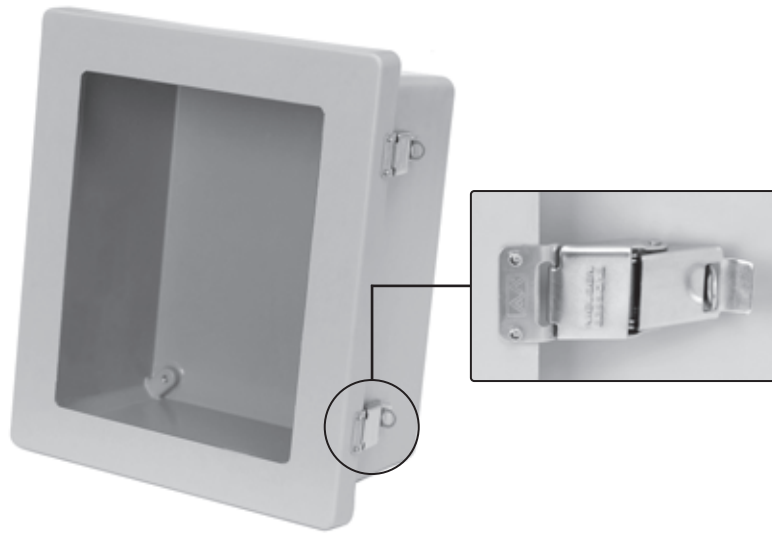


Part No.	Box Size			Usable Depth	Panel Boss Centers		Foot Mount Centers		Cover Size	
	A	B	C		F	S	H	L	U	W
AM664L	6.10 155mm	6.10 155mm	4.18 106mm	3.76 96mm	4.25 108mm	4.25 108mm	5.01 127mm	7.32 186mm	7.69 195mm	7.69 195mm
AM864L	8.00 203mm	6.13 156mm	4.13 105mm	3.68 93mm	6.25 159mm	4.25 108mm	5.01 127mm	9.19 233mm	9.59 244mm	7.71 196mm
AM1084L	10.14 258mm	8.26 210mm	4.13 105mm	3.68 93mm	8.25 210mm	6.25 159mm	7.01 178mm	11.19 284mm	11.73 298mm	9.85 250mm
AM1086L	10.14 258mm	8.26 210mm	6.13 156mm	5.68 144mm	8.25 210mm	6.25 159mm	7.01 178mm	11.19 284mm	11.73 298mm	9.85 250mm
AM1206L	12.14 308mm	10.26 261mm	6.13 156mm	5.68 144mm	10.25 260mm	8.25 210mm	9.01 229mm	13.19 335mm	13.73 349mm	11.85 301mm
AM1426L	14.13 359mm	12.26 311mm	6.13 156mm	5.68 144mm	12.25 311mm	10.25 260mm	11.01 280mm	15.19 386mm	15.73 400mm	13.85 352mm
AM1648L	16.27 413mm	14.40 366mm	8.13 207mm	7.68 195mm	14.25 362mm	12.25 311mm	13.01 330mm	17.19 437mm	17.87 454mm	15.99 406mm
AM1868L	18.40 467mm	16.40 417mm	8.13 207mm	7.68 195mm	16.25 413mm	14.25 362mm	14.97 380mm	19.28 490mm	20.00 508mm	18.00 457mm
AM2068L	20.00 508mm	16.00 406mm	8.13 207mm	7.68 195mm	17.81 452mm	13.81 351mm	14.54 369mm	20.84 529mm	21.59 548mm	17.59 447mm

All dimensions are in inches unless otherwise noted.



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AM Series JIC Size Junction Boxes: Snap Latch Hinged Cover With Window

A P P L I C A T I O N

- 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

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 specifications
- UL 508 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified LR 89590 for use with industrial control equipment CSA Enc. 1, 2, 3, 4, 4X, 12, 13
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

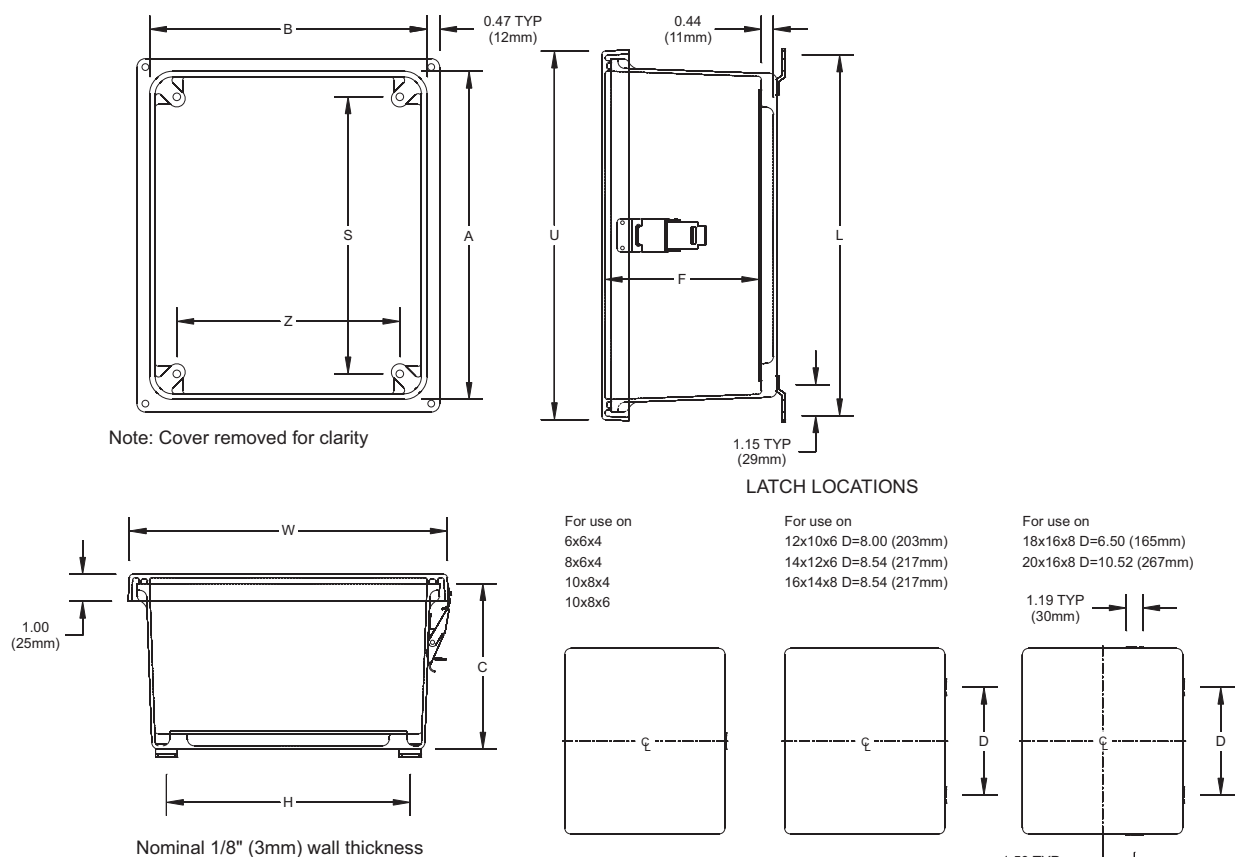
- Strong, molded Ultraguard® fiberglass reinforced polyester material construction with matching flat cover
- UV resistant polycarbonate viewing window
- 304 stainless steel snap latches feature padlock hasp
- Continuous stainless steel hinge
- Gasket made of closed cell neoprene cord encased in a continuous channel
- 304 stainless steel wall mounting feet with 10-32 stainless steel screws included
- 10-32 threaded inserts are installed for optional back panel
- JIC sizing
- Ultraguard® fiberglass material is easily punched, drilled or sawed
- UV stabilized for outdoor use

A C C E S S O R I E S

- Optional back panels (See table on pages 102-103.)
- Optional thermal management products (See pages 104-105.)

M O D I F I C A T I O N S

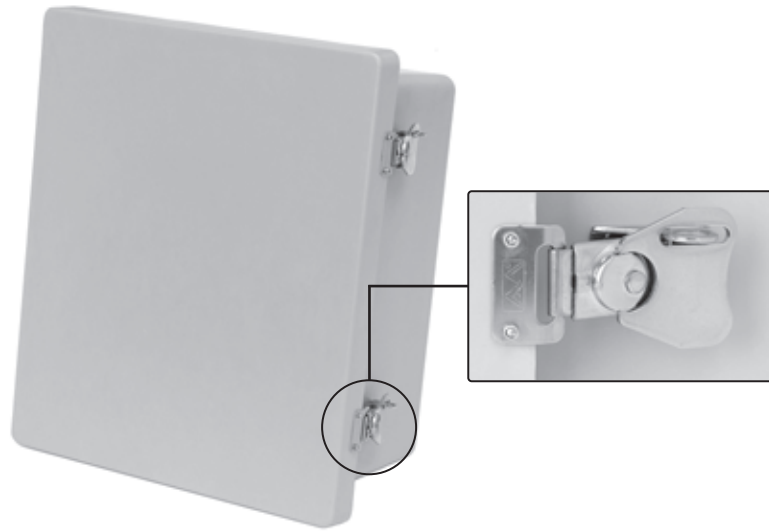
- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matches
- Hinge installed on short side
- EMI/RFI shielding
- Factory-supplied silk screening



Part No.	Box Size			Usable Depth	Panel Boss Centers		Foot Mount Centers		Cover Size		Window Dimension (height x width)
	A	B	C		S	Z	H	L	U	W	
AM664LW	6.10 155mm	6.10 155mm	4.18 106mm	3.76 96mm	4.25 108mm	4.25 108mm	5.01 127mm	7.32 186mm	7.69 195mm	7.69 195mm	4.25 X 4.25 108mm X 108mm
AM864LW	8.00 203mm	6.13 156mm	4.13 105mm	3.68 93mm	6.25 159mm	4.25 108mm	5.01 127mm	9.19 233mm	9.59 244mm	7.71 196mm	6.25 X 4.25 159mm X 108mm
AM1084LW	10.14 258mm	8.26 210mm	4.13 105mm	3.68 93mm	8.25 210mm	6.25 159mm	7.01 178mm	11.19 284mm	11.73 298mm	9.85 250mm	8.38 X 6.50 213mm X 159mm
AM1086LW	10.14 258mm	8.26 210mm	6.13 156mm	5.68 144mm	8.25 210mm	6.25 159mm	7.01 178mm	11.19 284mm	11.73 298mm	9.85 250mm	8.38 X 6.50 213mm X 159mm
AM1206LW	12.14 308mm	10.26 261mm	6.13 156mm	5.68 144mm	10.25 260mm	8.25 210mm	9.01 229mm	13.19 335mm	13.73 349mm	11.85 301mm	10.38 X 8.50 264mm X 216mm
AM1426LW	14.13 359mm	12.26 311mm	6.13 156mm	5.68 144mm	12.25 311mm	10.25 260mm	11.01 280mm	15.19 386mm	15.73 400mm	13.85 352mm	12.38 X 10.50 314mm X 267mm
AM1648LW	16.27 413mm	14.40 366mm	8.13 207mm	7.68 195mm	14.25 362mm	12.25 311mm	13.01 330mm	17.19 437mm	17.87 454mm	15.99 406mm	13.00 X 11.00 330mm X 279mm
AM1868LW	18.40 467mm	16.40 417mm	8.13 207mm	7.68 195mm	16.25 413mm	14.25 362mm	14.97 380mm	19.28 490mm	20.00 508mm	18.00 457mm	14.00 X 12.00 356mm X 305mm
AM2068LW	20.00 508mm	16.00 406mm	8.13 207mm	7.68 195mm	17.81 452mm	13.81 351mm	14.54 369mm	20.84 529mm	21.59 548mm	17.59 447mm	15.00 x 11.00 381mm X 279mm

All dimensions are in inches unless otherwise noted.





AM Series JIC Size Junction Boxes: Twist Latch Hinged Cover

A P P L I C A T I O N

- 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

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 specifications
- UL 508 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified LR 89590 for use with industrial control equipment CSA Enc. 1, 2, 3, 4, 4X, 12, 13
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

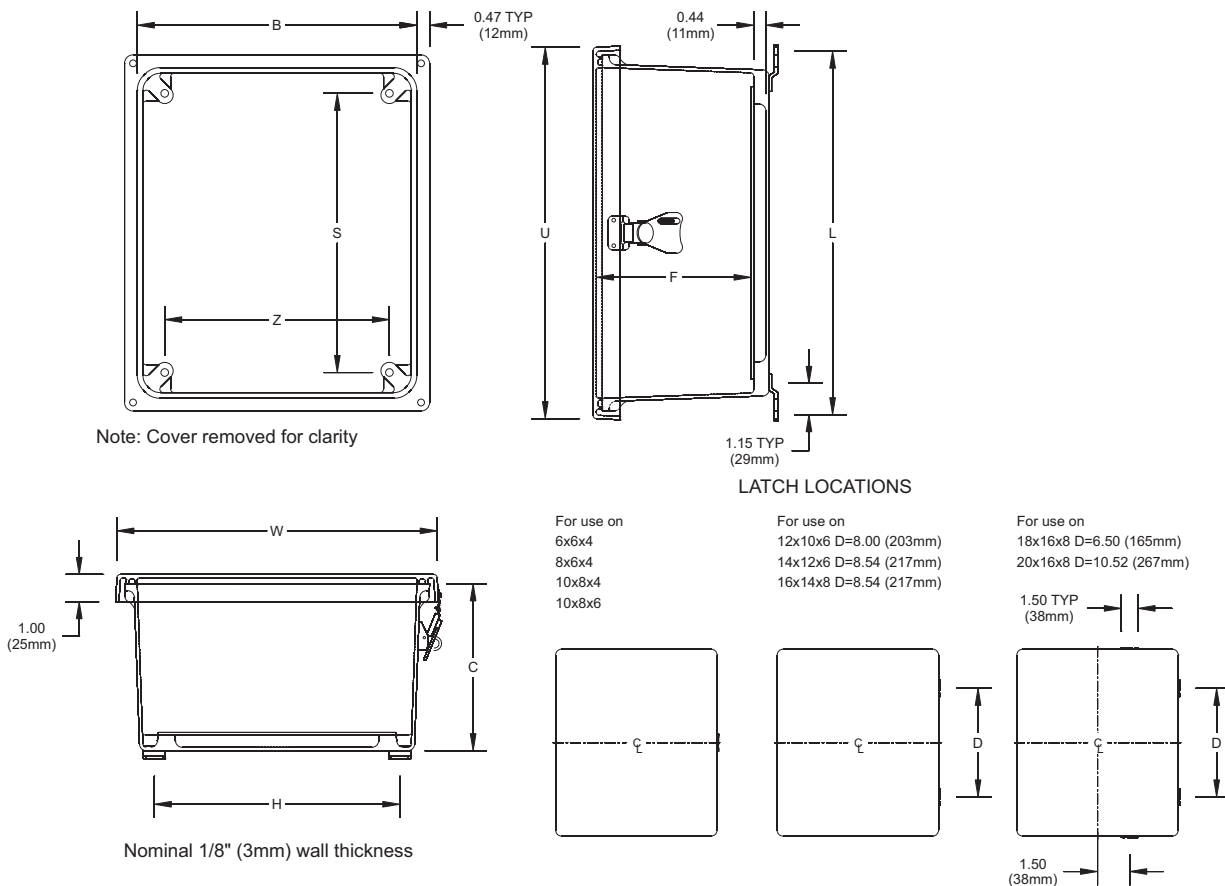
- Strong, molded Ultraguard® fiberglass reinforced polyester material construction with matching flat cover
- 304 stainless steel twist latches feature padlock hasp
- Continuous stainless steel hinge
- Gasket made of closed cell neoprene cord encased in a continuous channel
- 304 stainless steel wall mounting feet with 10-32 stainless steel screws included
- 10-32 threaded inserts are installed for optional back panel
- JIC sizing
- Ultraguard® fiberglass material is easily punched, drilled or sawed
- UV stabilized for outdoor use

A C C E S S O R I E S

- Optional back panels (See table on pages 102-103.)
- Optional thermal management products (See pages 104-105.)

M O D I F I C A T I O N S

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

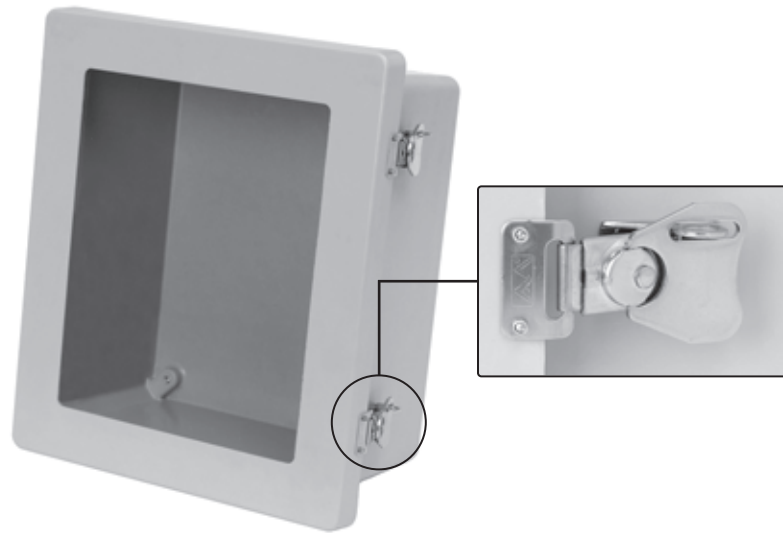


Box Size				Usable Depth	Panel Boss Centers		Foot Mount Centers		Cover Size	
Part No.	A	B	C	F	S	Z	H	L	U	W
AM664T	6.10	6.10	4.18	3.76	4.25	4.25	5.01	7.32	7.69	7.69
	155mm	155mm	106mm	96mm	108mm	108mm	127mm	186mm	195mm	195mm
AM864T	8.00	6.13	4.13	3.68	6.25	4.25	5.01	9.19	9.59	7.71
	203mm	156mm	105mm	93mm	159mm	108mm	127mm	233mm	244mm	196mm
AM1084T	10.14	8.26	4.13	3.68	8.25	6.25	7.01	11.19	11.73	9.85
	258mm	210mm	105mm	93mm	210mm	159mm	178mm	284mm	298mm	250mm
AM1086T	10.14	8.26	6.13	5.68	8.25	6.25	7.01	11.19	11.73	9.85
	258mm	210mm	156mm	144mm	210mm	159mm	178mm	284mm	298mm	250mm
AM1206T	12.14	10.26	6.13	5.68	10.25	8.25	9.01	13.19	13.73	11.85
	308mm	261mm	156mm	144mm	260mm	210mm	229mm	335mm	349mm	301mm
AM1426T	14.13	12.26	6.13	5.68	12.25	10.25	11.01	15.19	15.73	13.85
	359mm	311mm	156mm	144mm	311mm	260mm	280mm	386mm	400mm	352mm
AM1648T	16.27	14.40	8.13	7.68	14.25	12.25	13.01	17.19	17.87	15.99
	413mm	366mm	207mm	195mm	362mm	311mm	330mm	437mm	454mm	406mm
AM1868T	18.40	16.40	8.13	7.68	16.25	14.25	14.97	19.28	20.00	18.00
	467mm	417mm	207mm	195mm	413mm	362mm	380mm	490mm	508mm	457mm
AM2068T	20.00	16.00	8.13	7.68	17.81	13.81	14.54	20.84	21.59	17.59
	508mm	406mm	207mm	195mm	452mm	351mm	369mm	529mm	548mm	447mm

All dimensions are in inches unless otherwise noted.



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AM Series JIC Size Junction Boxes: Twist Latch Hinged Cover With Window

A P P L I C A T I O N

- 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

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 specifications
- UL 508 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified LR 89590 for use with industrial control equipment CSA Enc. 1, 2, 3, 4, 4X, 12, 13
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

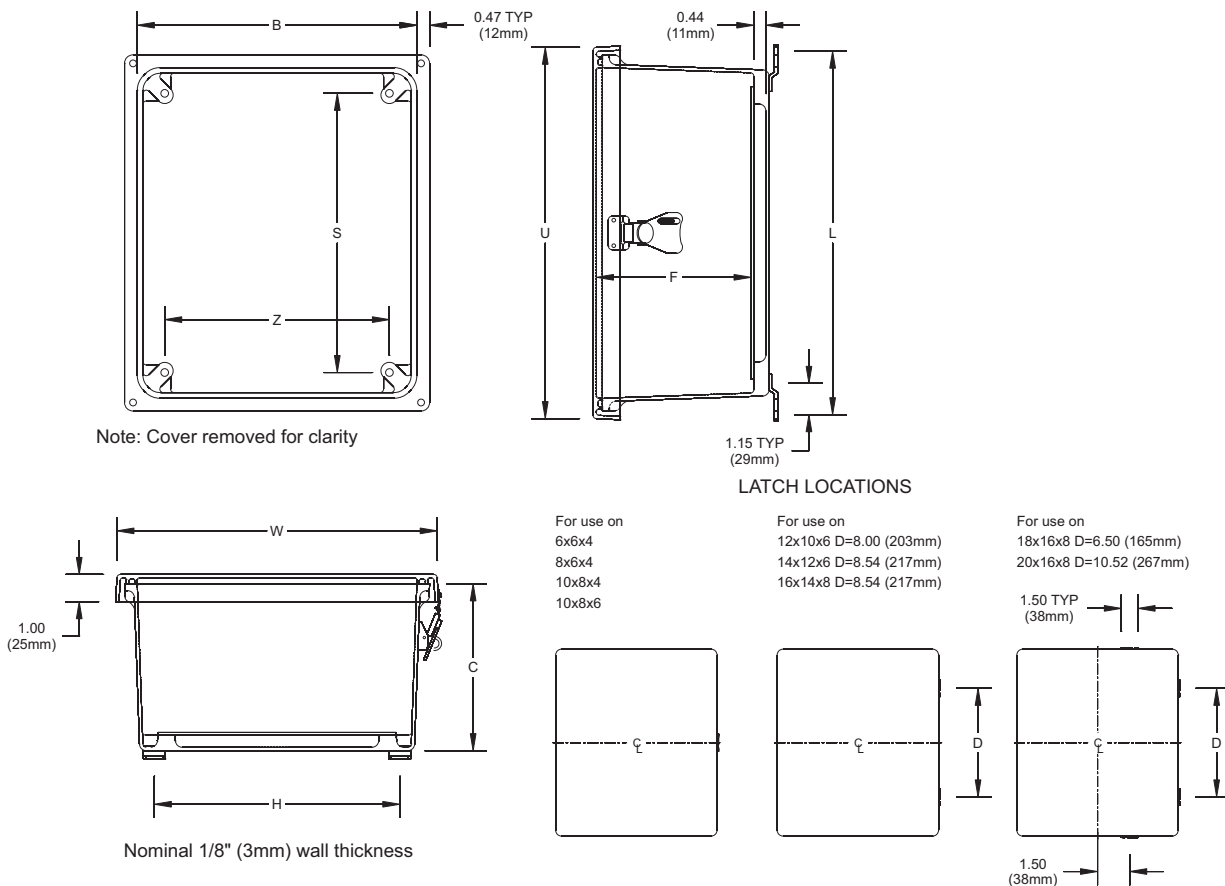
- Strong, molded Ultraguard® fiberglass reinforced polyester material construction with matching flat cover
- UV resistant polycarbonate viewing window
- 304 stainless steel twist latches feature padlock hasp
- Continuous stainless steel hinge
- Gasket made of closed cell neoprene cord encased in a continuous channel
- 304 stainless steel wall mounting feet with 10-32 stainless steel screws included
- 10-32 threaded inserts are installed for optional back panel
- JIC sizing
- Ultraguard® fiberglass material is easily punched, drilled or sawed
- UV stabilized for outdoor use

A C C E S S O R I E S

- Optional back panels (See table on pages 102-103.)
- Optional thermal management products (See pages 104-105.)

M O D I F I C A T I O N S

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



Part No.	Box Size			Usable Depth	Panel Boss Centers		Foot Mount Centers		Cover Size		Window Dimension (height x width)
	A	B	C		S	Z	H	L	U	W	
AM664TW	6.10 155mm	6.10 155mm	4.18 106mm	3.76 96mm	4.25 108mm	4.25 108mm	5.01 127mm	7.32 186mm	7.69 195mm	7.69 195mm	4.25 X 4.25 108mm X 108mm
AM864TW	8.00 203mm	6.13 156mm	4.13 105mm	3.68 93mm	6.25 159mm	4.25 108mm	5.01 127mm	9.19 233mm	9.59 244mm	7.71 196mm	6.25 X 4.25 159mm X 108mm
AM1084TW	10.14 258mm	8.26 210mm	4.13 105mm	3.68 93mm	8.25 210mm	6.25 159mm	7.01 178mm	11.19 284mm	11.73 298mm	9.85 250mm	8.38 X 6.50 213mm X 159mm
AM1086TW	10.14 258mm	8.26 210mm	6.13 156mm	5.68 144mm	8.25 210mm	6.25 159mm	7.01 178mm	11.19 284mm	11.73 298mm	9.85 250mm	8.38 X 6.50 213mm X 159mm
AM1206TW	12.14 308mm	10.26 261mm	6.13 156mm	5.68 144mm	10.25 260mm	8.25 210mm	9.01 229mm	13.19 335mm	13.73 349mm	11.85 301mm	10.38 X 8.50 264mm X 216mm
AM1426TW	14.13 359mm	12.26 311mm	6.13 156mm	5.68 144mm	12.25 311mm	10.25 260mm	11.01 280mm	15.19 386mm	15.73 400mm	13.85 352mm	12.38 X 10.50 314mm X 267mm
AM1648TW	16.27 413mm	14.40 366mm	8.13 207mm	7.68 195mm	14.25 362mm	12.25 311mm	13.01 330mm	17.19 437mm	17.87 454mm	15.99 406mm	13.00 X 11.00 330mm X 279mm
AM1868TW	18.40 467mm	16.40 417mm	8.13 207mm	7.68 195mm	16.25 413mm	14.25 362mm	14.97 380mm	19.28 490mm	20.00 508mm	18.00 457mm	14.00 X 12.00 356mm X 305mm
AM2068TW	20.00 508mm	16.00 406mm	8.13 207mm	7.68 195mm	17.81 452mm	13.81 351mm	14.54 369mm	20.84 529mm	21.59 548mm	17.59 447mm	15.00 x 11.00 381mm X 279mm

All dimensions are in inches unless otherwise noted.



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AM-R Series

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 deadfront panel 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. Available in standard JIC sizes with a variety of latching options for any application.

AM-R Series Features & Benefits

- Molded Ultraguard® fiberglass reinforced polyester material construction for durability
- Continuous stainless steel hinge
- Closed-cell neoprene gasket encased in continuous channel
- Raised cover for additional depth
- 304 stainless steel hardware and mounting feet
- Mounting panel inserts for optional back panel
- Optional hinged deadfront panels
- UV stabilized for outdoor use
- Continuous stainless steel hinge





Suitable Applications

- Electrical junctions
- Terminal wiring
- Electrical and electronic controls, instruments, components
- Housing pushbuttons, switches or other devices
- Other industrial control equipment

AM-R Series Specifications

- Non-corrosive
- Non-conductive
- 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 galvanized steel
- Aluminum hinged deadfront panel for configuration flexibility
- UV resistant polycarbonate viewing windows
- Thermal management products

Modifications

We are pleased to modify any of our standard products to fit your needs. We have the lowest volume requirements on custom work in the industry, and quick turnaround time.

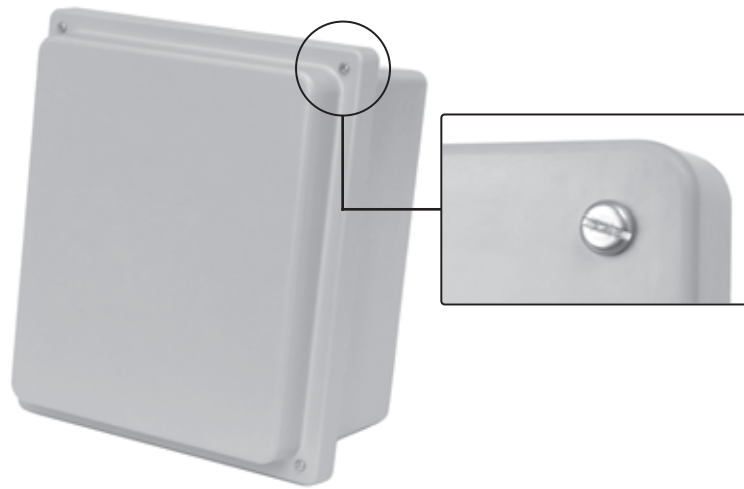
We can modify any of our AM-R Series enclosures with:

- Custom size holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matches



- 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 106-108.



AM-R Series JIC Size Junction Boxes: Lift-Off Screw Cover

A P P L I C A T I O N

- 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

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 specifications
- UL 508 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified LR 89590 for use with industrial control equipment CSA Enc. 1, 2, 3, 4, 4X, 12, 13
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

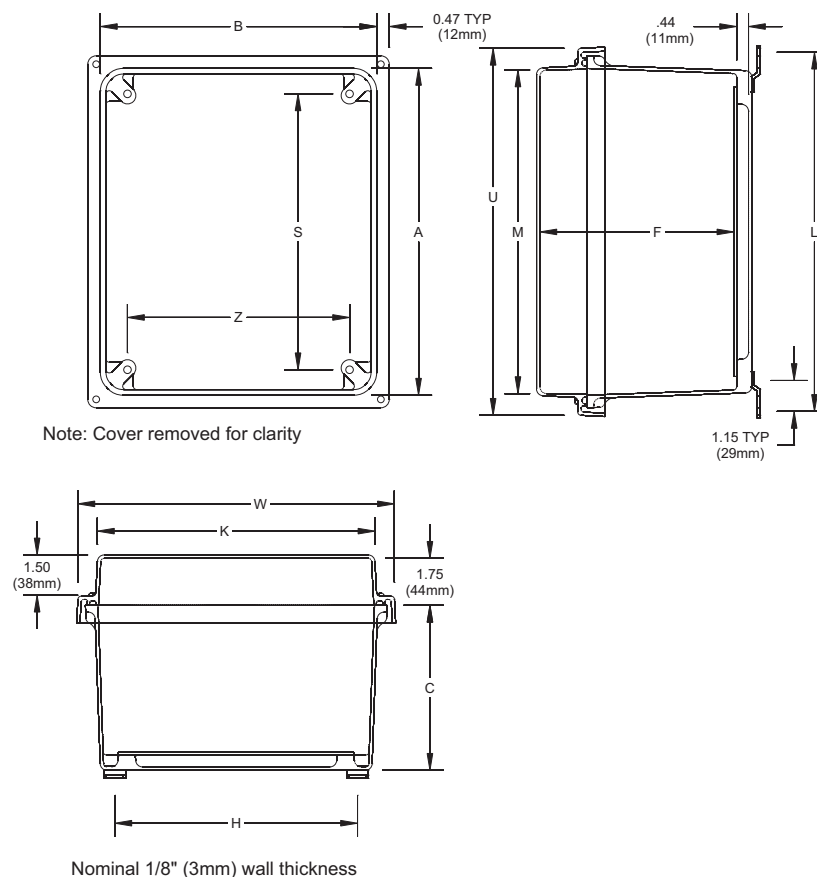
- Strong, molded Ultraguard® fiberglass reinforced polyester material construction with matching raised cover
- 304 stainless steel captive cover screws
- Gasket made of closed-cell neoprene cord encased in a continuous channel
- 304 stainless steel wall mounting feet with 10-32 stainless steel screws included
- 10-32 threaded inserts are installed for optional back panel
- JIC sizing
- Ultraguard® fiberglass material is easily punched, drilled or sawed
- UV stabilized for outdoor use

A C C E S S O R I E S

- Optional back panels (See table on pages 102-103.)
- Optional deadfront panel (See table on pages 102-103.)
- Optional thermal management products (See pages 104-105.)

M O D I F I C A T I O N S

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

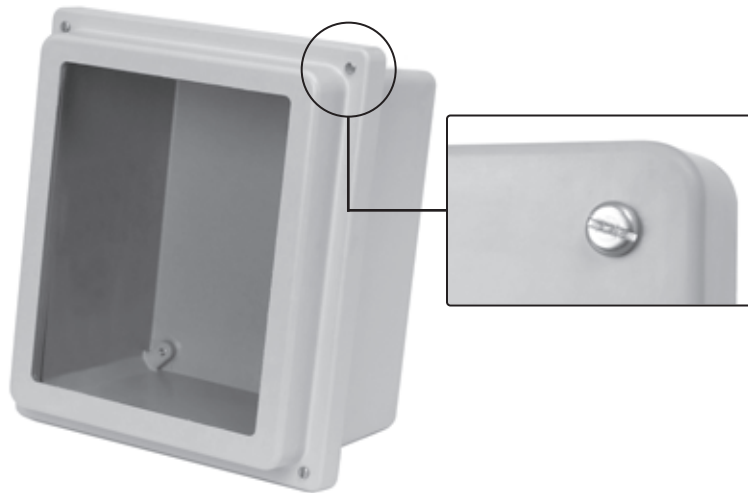


Part No.	Box Size			Usable Depth	Panel Boss Centers		Foot Mount Centers		Cover Size			
	A	B	C		F	S	Z	H	L	K	M	U
AM664R	6.10	6.10	4.18	5.26	4.25	4.25	5.01	7.32	6.08	6.08	7.69	7.69
	155mm	155mm	106mm	134mm	108mm	108mm	127mm	186mm	154mm	154mm	195mm	195mm
AM864R	8.00	6.13	4.13	5.21	6.25	4.25	5.01	9.19	6.11	7.98	9.59	7.71
	203mm	156mm	105mm	132mm	159mm	108mm	127mm	233mm	155mm	203mm	244mm	196mm
AM1084R	10.14	8.26	4.13	5.21	8.25	6.25	7.01	11.19	8.44	10.32	11.73	9.85
	258mm	210mm	105mm	132mm	210mm	159mm	178mm	284mm	214mm	262mm	298mm	250mm
AM1086R	10.14	8.26	6.13	7.21	8.25	6.25	7.01	11.19	8.44	10.32	11.73	9.85
	258mm	210mm	156mm	183mm	210mm	159mm	178mm	284mm	214mm	262mm	298mm	250mm
AM1206R	12.14	10.26	6.13	7.21	10.25	8.25	9.01	13.19	10.45	12.32	13.73	11.85
	308mm	261mm	156mm	183mm	260mm	210mm	229mm	335mm	265mm	313mm	349mm	301mm
AM1426R	14.13	12.26	6.13	7.21	12.25	10.25	11.01	15.19	12.45	14.32	15.73	13.85
	359mm	311mm	156mm	183mm	311mm	260mm	280mm	386mm	316mm	364mm	400mm	352mm
AM1648R	16.27	14.40	8.13	9.21	14.25	12.25	13.01	17.19	13.86	15.73	17.87	15.99
	413mm	366mm	207mm	234mm	362mm	311mm	330mm	437mm	352mm	400mm	454mm	406mm
AM1868R	18.40	16.40	8.13	9.21	16.25	14.25	14.97	19.28	15.86	17.86	20.00	18.00
	467mm	417mm	207mm	234mm	413mm	362mm	380mm	490mm	403mm	454mm	508mm	457mm
AM2068R	20.00	16.00	8.13	9.21	17.81	13.81	14.54	20.84	15.43	19.43	21.59	17.59
	508mm	406mm	207mm	234mm	452mm	351mm	369mm	529mm	392mm	494mm	548mm	447mm

All dimensions are in inches unless otherwise noted.



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AM-R Series JIC Size Junction Boxes: Lift-Off Screw Cover With Window

A P P L I C A T I O N

- 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

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 specifications
- UL 508 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified LR 89590 for use with industrial control equipment CSA Enc. 1, 2, 3, 4, 4X, 12, 13
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

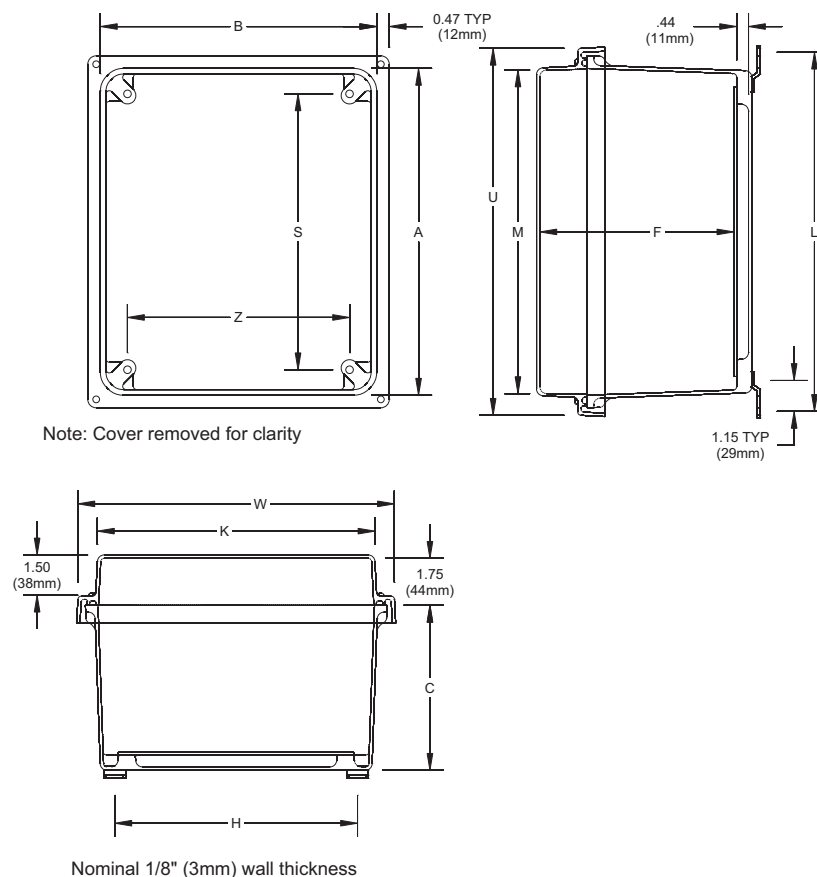
- Strong, molded Ultraguard® fiberglass reinforced polyester material construction with matching raised cover
- UV resistant polycarbonate viewing window
- 304 stainless steel captive cover screws
- Gasket made of closed-cell neoprene cord encased in a continuous channel
- 304 stainless steel wall mounting feet with 10-32 stainless steel screws included
- 10-32 threaded inserts are installed for optional back panel
- JIC sizing
- Ultraguard® fiberglass material is easily punched, drilled or sawed
- UV stabilized for outdoor use

A C C E S S O R I E S

- Optional back panels (See table on pages 102-103.)
- Optional deadfront panel (See table on pages 102-103.)
- Optional thermal management products (See pages 104-105.)

M O D I F I C A T I O N S

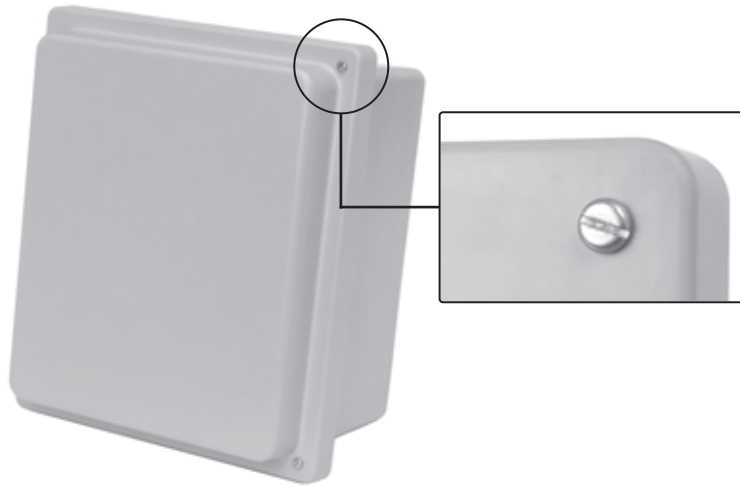
- Custom size holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matches
- Hinge installed on short side
- EMI/RFI shielding
- Factory-supplied silk screening



Part No.	Box Size			Usable Depth F	Panel Boss Centers		Foot Mount Centers		Cover Size				Window Dimension (height x width)
	A	B	C		S	Z	H	L	K	M	U	W	
AM664RW	6.10 155mm	6.10 155mm	4.18 106mm	5.26 134mm	4.25 108mm	4.25 108mm	5.01 127mm	7.32 186mm	6.08 154mm	6.08 154mm	7.69 195mm	7.69 195mm	4.25 X 4.25 108mm X 108mm
AM864RW	8.00 203mm	6.13 156mm	4.13 105mm	5.21 132mm	6.25 159mm	4.25 108mm	5.01 127mm	9.19 233mm	6.11 155mm	7.98 203mm	9.59 244mm	7.71 196mm	6.25 X 4.25 159mm X 108mm
AM1084RW	10.14 258mm	8.26 210mm	4.13 105mm	5.21 132mm	8.25 210mm	6.25 159mm	7.01 178mm	11.19 284mm	8.44 214mm	10.32 262mm	11.73 298mm	9.85 250mm	8.38 X 6.50 213mm X 159mm
AM1086RW	10.14 258mm	8.26 210mm	6.13 156mm	7.21 183mm	8.25 210mm	6.25 159mm	7.01 178mm	11.19 284mm	8.44 214mm	10.32 262mm	11.73 298mm	9.85 250mm	8.38 X 6.50 213mm X 159mm
AM1206RW	12.14 308mm	10.26 261mm	6.13 156mm	7.21 183mm	10.25 260mm	8.25 210mm	9.01 229mm	13.19 335mm	10.45 265mm	12.32 313mm	13.73 349mm	11.85 301mm	10.38 X 8.50 264mm X 216mm
AM1426RW	14.13 359mm	12.26 311mm	6.13 156mm	7.21 183mm	12.25 311mm	10.25 260mm	11.01 280mm	15.19 386mm	12.45 316mm	14.32 364mm	15.73 400mm	13.85 352mm	12.38 X 10.50 314mm X 267mm
AM1648RW	16.27 413mm	14.40 366mm	8.13 207mm	9.21 234mm	14.25 362mm	12.25 311mm	13.01 330mm	17.19 437mm	13.86 352mm	15.73 400mm	17.87 454mm	15.99 406mm	13.00 X 11.00 330mm X 279mm
AM1868RW	18.40 467mm	16.40 417mm	8.13 207mm	9.21 234mm	16.25 413mm	14.25 362mm	14.97 380mm	19.28 490mm	15.86 403mm	17.86 454mm	20.00 508mm	18.00 457mm	14.00 X 12.00 356mm X 305mm
AM2068RW	20.00 508mm	16.00 406mm	8.13 207mm	9.21 234mm	17.81 452mm	13.81 351mm	14.54 369mm	20.84 529mm	15.43 392mm	19.43 494mm	21.59 548mm	17.59 447mm	15.00 X 11.00 381mm X 279mm

All dimensions are in inches unless otherwise noted.





AM-R Series JIC Size Junction Boxes: Hinged Screw Cover

A P P L I C A T I O N

- 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

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 specifications
- UL 508 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified LR 89590 for use with industrial control equipment CSA Enc. 1, 2, 3, 4, 4X, 12, 13
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

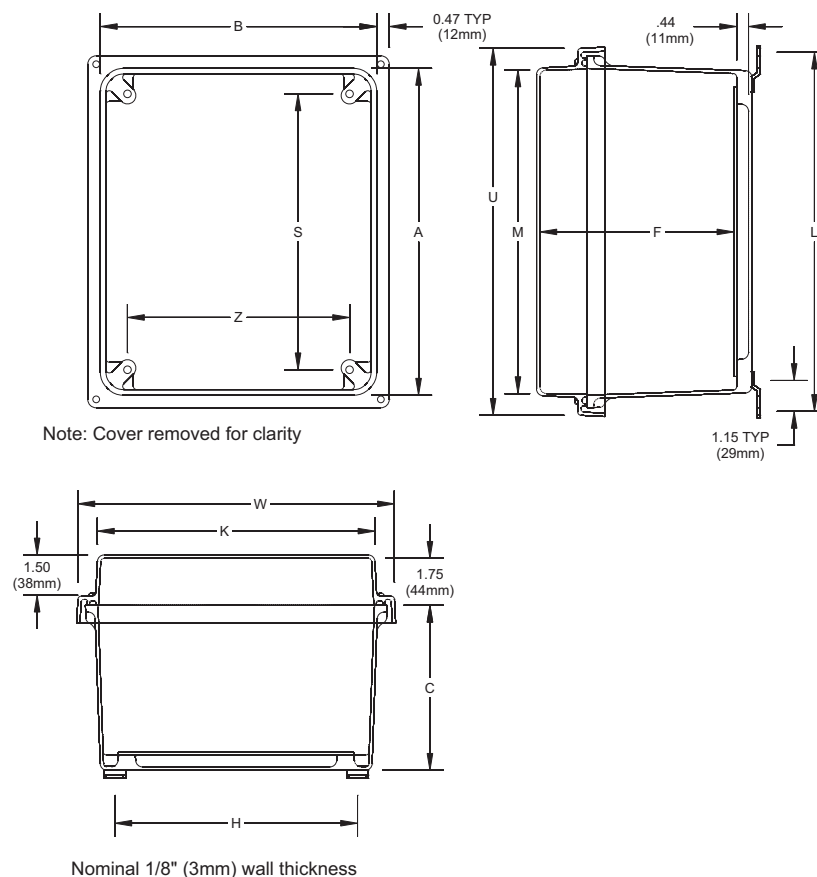
- Strong, molded Ultraguard® fiberglass reinforced polyester material construction with matching raised cover
- 304 stainless steel captive cover screws
- Continuous stainless steel hinge
- Gasket made of closed-cell neoprene cord encased in a continuous channel
- 304 stainless steel wall mounting feet with 10-32 stainless steel screws included
- 10-32 threaded inserts are installed for optional back panel
- JIC sizing
- Ultraguard® fiberglass material is easily punched, drilled or sawed
- UV stabilized for outdoor use

A C C E S S O R I E S

- Optional back panels (See table on pages 102-103.)
- Optional deadfront panel (See table on pages 102-103.)
- Optional thermal management products (See pages 104-105.)

M O D I F I C A T I O N S

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

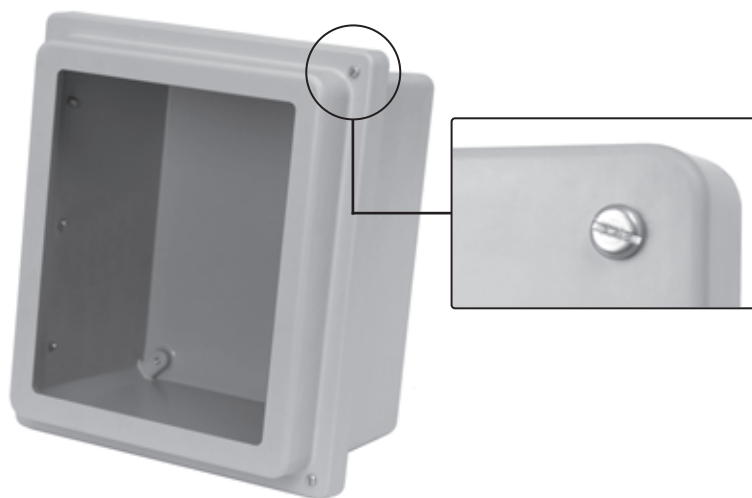


Box Size				Usable Depth	Panel Boss Centers		Foot Mount Centers		Cover Size			
Part No.	A	B	C	F	S	Z	H	L	K	M	U	W
AM664RH	6.10	6.10	4.18	5.26	4.25	4.25	5.01	7.32	6.08	6.08	7.69	7.69
	155mm	155mm	106mm	134mm	108mm	108mm	127mm	186mm	154mm	154mm	195mm	195mm
AM864RH	8.00	6.13	4.13	5.21	6.25	4.25	5.01	9.19	6.11	7.98	9.59	7.71
	203mm	156mm	105mm	132mm	159mm	108mm	127mm	233mm	155mm	203mm	244mm	196mm
AM1084RH	10.14	8.26	4.13	5.21	8.25	6.25	7.01	11.19	8.44	10.32	11.73	9.85
	258mm	210mm	105mm	132mm	210mm	159mm	178mm	284mm	214mm	262mm	298mm	250mm
AM1086RH	10.14	8.26	6.13	7.21	8.25	6.25	7.01	11.19	8.44	10.32	11.73	9.85
	258mm	210mm	156mm	183mm	210mm	159mm	178mm	284mm	214mm	262mm	298mm	250mm
AM1206RH	12.14	10.26	6.13	7.21	10.25	8.25	9.01	13.19	10.45	12.32	13.73	11.85
	308mm	261mm	156mm	183mm	260mm	210mm	229mm	335mm	265mm	313mm	349mm	301mm
AM1426RH	14.13	12.26	6.13	7.21	12.25	10.25	11.01	15.19	12.45	14.32	15.73	13.85
	359mm	311mm	156mm	183mm	311mm	260mm	280mm	386mm	316mm	364mm	400mm	352mm
AM1648RH	16.27	14.40	8.13	9.21	14.25	12.25	13.01	17.19	13.86	15.73	17.87	15.99
	413mm	366mm	207mm	234mm	362mm	311mm	330mm	437mm	352mm	400mm	454mm	406mm
AM1868RH	18.40	16.40	8.13	9.21	16.25	14.25	14.97	19.28	15.86	17.86	20.00	18.00
	467mm	417mm	207mm	234mm	413mm	362mm	380mm	490mm	403mm	454mm	508mm	457mm
AM2068RH	20.00	16.00	8.13	9.21	17.81	13.81	14.54	20.84	15.43	19.43	21.59	17.59
	508mm	406mm	207mm	234mm	452mm	351mm	369mm	529mm	392mm	494mm	548mm	447mm

All dimensions are in inches unless otherwise noted.



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AM-R Series JIC Size Junction Boxes: Hinged Screw Cover With Window

A P P L I C A T I O N

- 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

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 specifications
- UL 508 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified LR 89590 for use with industrial control equipment CSA Enc. 1, 2, 3, 4, 4X, 12, 13
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

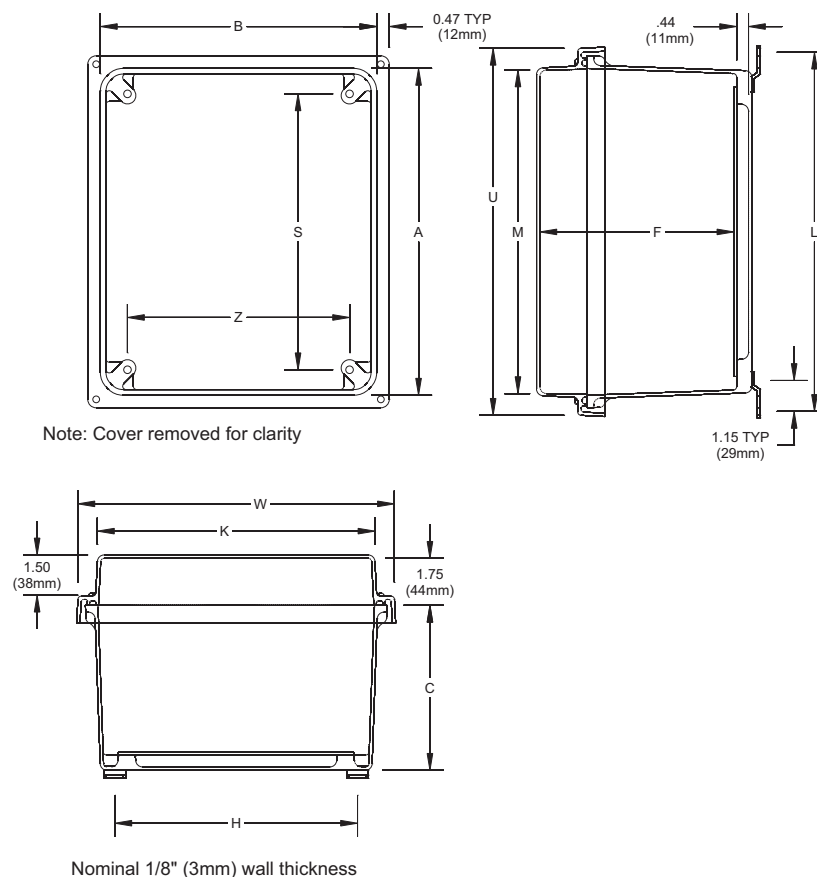
- Strong, molded Ultraguard® fiberglass reinforced polyester material construction with matching raised cover
- UV resistant polycarbonate viewing window
- 304 stainless steel captive cover screws
- Continuous stainless steel hinge
- Gasket made of closed-cell neoprene cord encased in a continuous channel
- 304 stainless steel wall mounting feet with 10-32 stainless steel screws included
- 10-32 threaded inserts are installed for optional back panel
- JIC sizing
- Ultraguard® fiberglass material is easily punched, drilled or sawed
- UV stabilized for outdoor use

A C C E S S O R I E S

- Optional back panels (See table on pages 102-103.)
- Optional deadfront panel (See table on pages 102-103.)
- Optional thermal management products (See pages 104-105.)

M O D I F I C A T I O N S

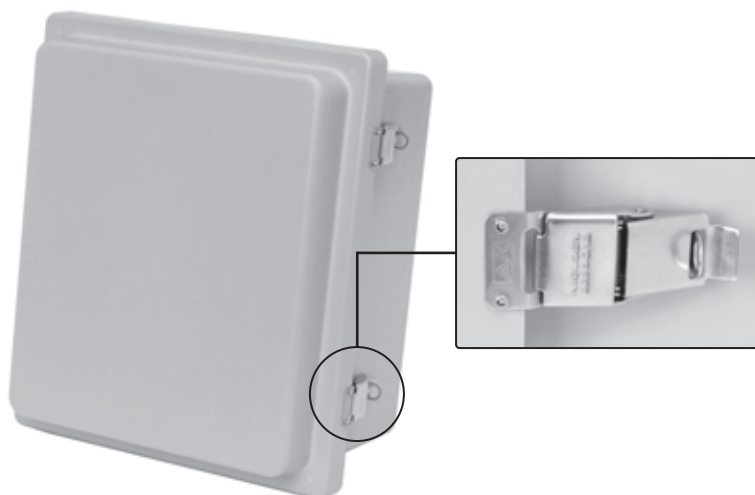
- Custom size holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matches
- Hinge installed on short side
- EMI/RFI shielding
- Factory-supplied silk screening



Part No.	Box Size			Usable Depth F	Panel Boss Centers		Foot Mount Centers		Cover Size				Window Dimension (height x width)
	A	B	C		S	Z	H	L	K	M	U	W	
AM664RHW	6.10 155mm	6.10 155mm	4.18 106mm	5.26 134mm	4.25 108mm	4.25 108mm	5.01 127mm	7.32 186mm	6.08 154mm	6.08 154mm	7.69 195mm	7.69 195mm	4.25 X 4.25 108mm X 108mm
AM864RHW	8.00 203mm	6.13 156mm	4.13 105mm	5.21 132mm	6.25 159mm	4.25 108mm	5.01 127mm	9.19 233mm	6.11 155mm	7.98 203mm	9.59 244mm	7.71 196mm	6.25 X 4.25 159mm X 108mm
AM1084RHW	10.14 258mm	8.26 210mm	4.13 105mm	5.21 132mm	8.25 210mm	6.25 159mm	7.01 178mm	11.19 284mm	8.44 214mm	10.32 262mm	11.73 298mm	9.85 250mm	8.38 X 6.50 213mm X 159mm
AM1086RHW	10.14 258mm	8.26 210mm	6.13 156mm	7.21 183mm	8.25 210mm	6.25 159mm	7.01 178mm	11.19 284mm	8.44 214mm	10.32 262mm	11.73 298mm	9.85 250mm	8.38 X 6.50 213mm X 159mm
AM1206RHW	12.14 308mm	10.26 261mm	6.13 156mm	7.21 183mm	10.25 260mm	8.25 210mm	9.01 229mm	13.19 335mm	10.45 265mm	12.32 313mm	13.73 349mm	11.85 301mm	10.38 X 8.50 264mm X 216mm
AM1426RHW	14.13 359mm	12.26 311mm	6.13 156mm	7.21 183mm	12.25 311mm	10.25 260mm	11.01 280mm	15.19 386mm	12.45 316mm	14.32 364mm	15.73 400mm	13.85 352mm	12.38 X 10.50 314mm X 267mm
AM1648RHW	16.27 413mm	14.40 366mm	8.13 207mm	9.21 234mm	14.25 362mm	12.25 311mm	13.01 330mm	17.19 437mm	13.86 352mm	15.73 400mm	17.87 454mm	15.99 406mm	13.00 X 11.00 330mm X 279mm
AM1868RHW	18.40 467mm	16.40 417mm	8.13 207mm	9.21 234mm	16.25 413mm	14.25 362mm	14.97 380mm	19.28 490mm	15.86 403mm	17.86 454mm	20.00 508mm	18.00 457mm	14.00 X 12.00 356mm X 305mm
AM2068RHW	20.00 508mm	16.00 406mm	8.13 207mm	9.21 234mm	17.81 452mm	13.81 351mm	14.54 369mm	20.84 529mm	15.43 392mm	19.43 494mm	21.59 548mm	17.59 447mm	15.00 X 11.00 381mm X 279mm

All dimensions are in inches unless otherwise noted.





AM-R Series JIC Size Junction Boxes: Snap Latch Hinged Cover

A P P L I C A T I O N

- 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

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 specifications
- UL 508 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified LR 89590 for use with industrial control equipment CSA Enc. 1, 2, 3, 4, 4X, 12, 13
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

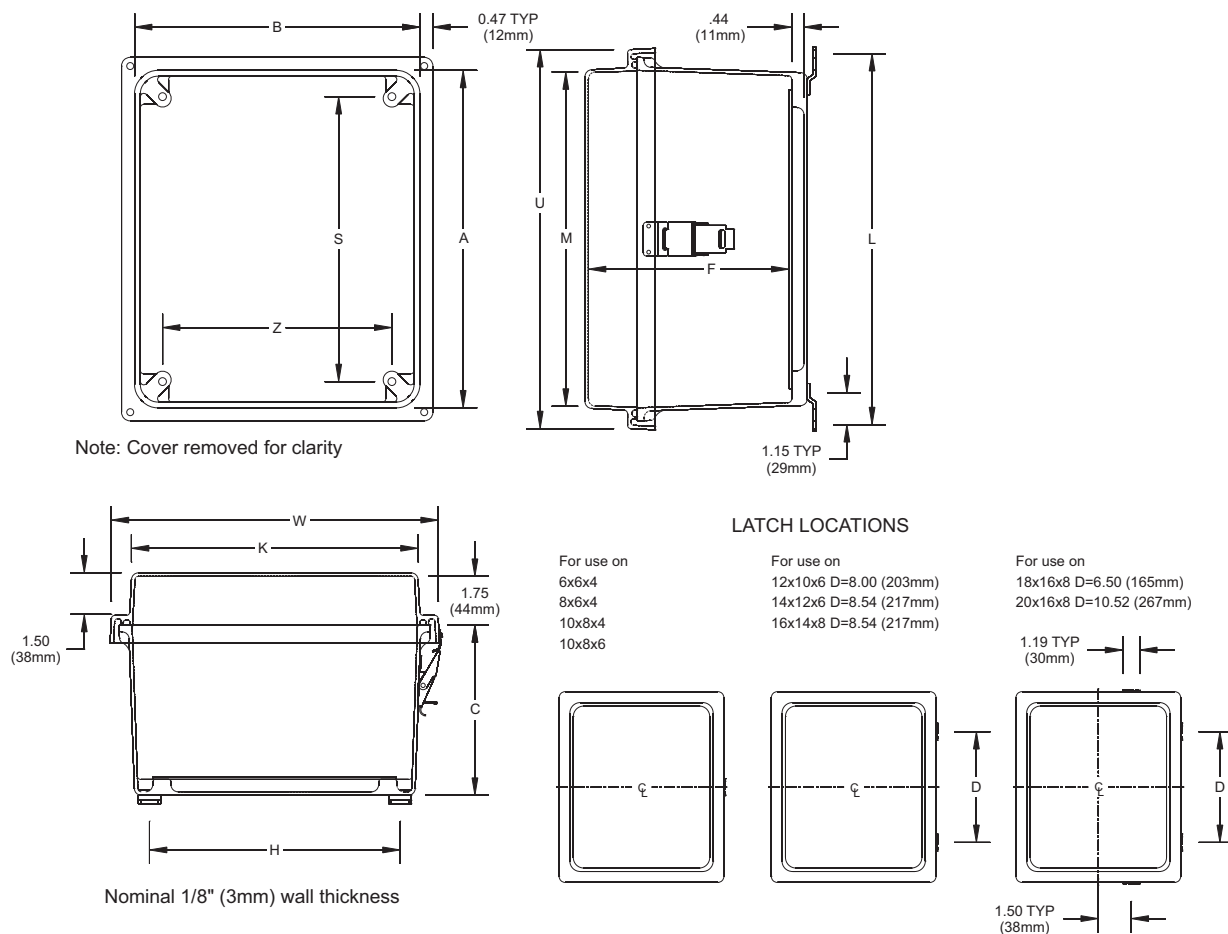
- Strong, molded Ultraguard® fiberglass reinforced polyester material construction with matching raised cover
- 304 stainless steel snap latches feature padlock hasp
- Continuous stainless steel hinge
- Gasket made of closed-cell neoprene cord encased in a continuous channel
- 304 stainless steel wall mounting feet with 10-32 stainless steel screws included
- 10-32 threaded inserts are installed for optional back panel
- JIC sizing
- Ultraguard® fiberglass material is easily punched, drilled or sawed
- UV stabilized for outdoor use

A C C E S S O R I E S

- Optional back panels (See table on pages 102-103.)
- Optional deadfront panel (See table on pages 102-103.)
- Optional thermal management products (See pages 104-105.)

M O D I F I C A T I O N S

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

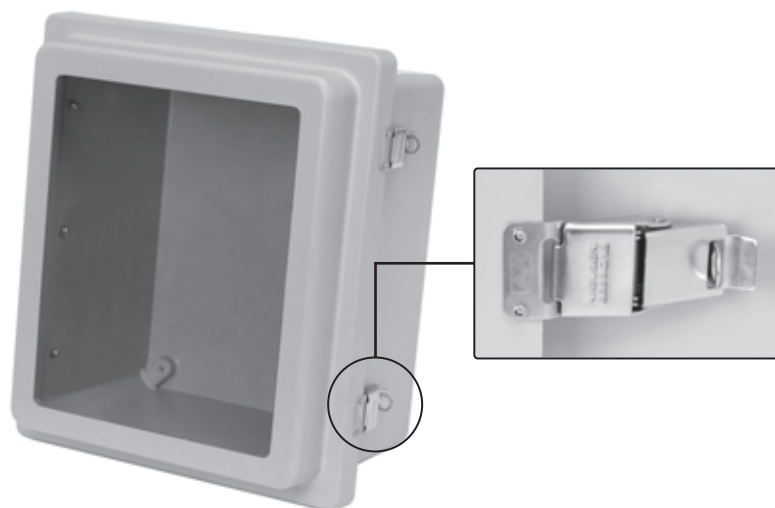


Box Size				Usable Depth	Panel Boss Centers		Foot Mount Centers		Cover Size			
Part No.	A	B	C	F	S	Z	H	L	K	M	U	W
AM664RL	6.10	6.10	4.18	5.26	4.25	4.25	5.01	7.32	6.08	6.08	7.69	7.69
	155mm	155mm	106mm	134mm	108mm	108mm	127mm	186mm	154mm	154mm	195mm	195mm
AM864RL	8.00	6.13	4.13	5.21	6.25	4.25	5.01	9.19	6.11	7.98	9.59	7.71
	203mm	156mm	105mm	132mm	159mm	108mm	127mm	233mm	155mm	203mm	244mm	196mm
AM1084RL	10.14	8.26	4.13	5.21	8.25	6.25	7.01	11.19	8.44	10.32	11.73	9.85
	258mm	210mm	105mm	132mm	210mm	159mm	178mm	284mm	214mm	262mm	298mm	250mm
AM1086RL	10.14	8.26	6.13	7.21	8.25	6.25	7.01	11.19	8.44	10.32	11.73	9.85
	258mm	210mm	156mm	183mm	210mm	159mm	178mm	284mm	214mm	262mm	298mm	250mm
AM1206RL	12.14	10.26	6.13	7.21	10.25	8.25	9.01	13.19	10.45	12.32	13.73	11.85
	308mm	261mm	156mm	183mm	260mm	210mm	229mm	335mm	265mm	313mm	349mm	301mm
AM1426RL	14.13	12.26	6.13	7.21	12.25	10.25	11.01	15.19	12.45	14.32	15.73	13.85
	359mm	311mm	156mm	183mm	311mm	260mm	280mm	386mm	316mm	364mm	400mm	352mm
AM1648RL	16.27	14.40	8.13	9.21	14.25	12.25	13.01	17.19	13.86	15.73	17.87	15.99
	413mm	366mm	207mm	234mm	362mm	311mm	330mm	437mm	352mm	400mm	454mm	406mm
AM1868RL	18.40	16.40	8.13	9.21	16.25	14.25	14.97	19.28	15.86	17.86	20.00	18.00
	467mm	417mm	207mm	234mm	413mm	362mm	380mm	490mm	403mm	454mm	508mm	457mm
AM2068RL	20.00	16.00	8.13	9.21	17.81	13.81	14.54	20.84	15.43	19.43	21.59	17.59
	508mm	406mm	207mm	234mm	452mm	351mm	369mm	529mm	392mm	494mm	548mm	447mm

All dimensions are in inches unless otherwise noted.



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AM-R Series JIC Size Junction Boxes: Snap Latch Hinged Cover With Window

A P P L I C A T I O N

- 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

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 specifications
- UL 508 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified LR 89590 for use with industrial control equipment CSA Enc. 1, 2, 3, 4, 4X, 12, 13
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

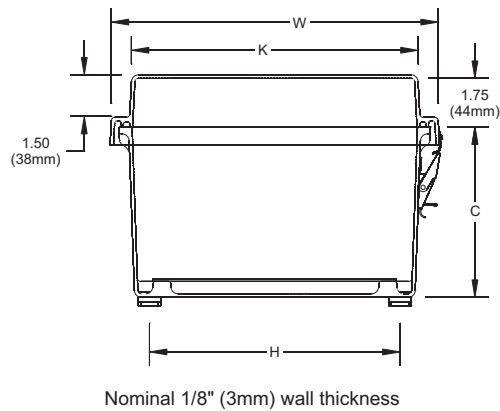
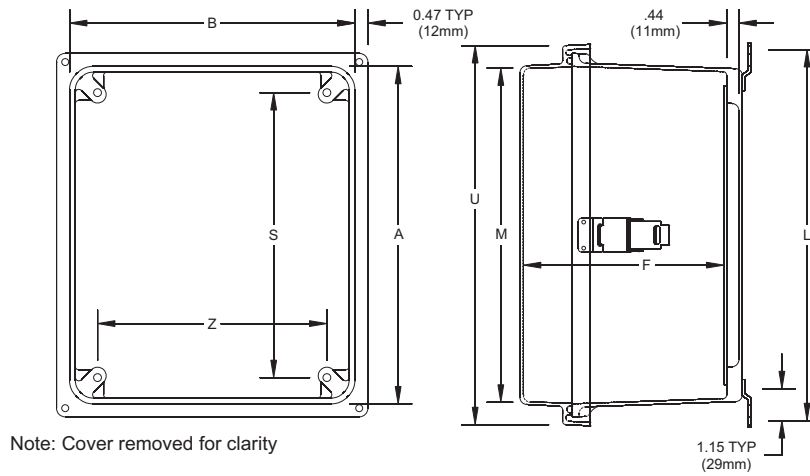
- Strong, molded Ultraguard® fiberglass reinforced polyester material construction with matching raised cover
- UV resistant polycarbonate viewing window
- 304 stainless steel snap latches feature padlock hasp
- Continuous stainless steel hinge
- Gasket made of closed-cell neoprene cord encased in a continuous channel
- 304 stainless steel wall mounting feet with 10-32 stainless steel screws included
- 10-32 threaded inserts are installed for optional back panel
- JIC sizing
- Ultraguard® fiberglass material is easily punched, drilled or sawed
- UV stabilized for outdoor use

A C C E S S O R I E S

- Optional back panels (See table on pages 102-103.)
- Optional deadfront panel (See table on pages 102-103.)
- Optional thermal management products (See pages 104-105.)

M O D I F I C A T I O N S

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

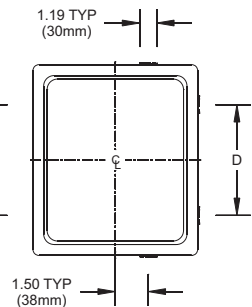
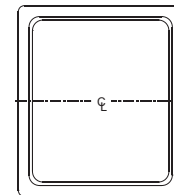
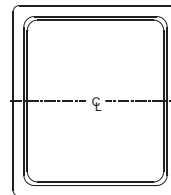


LATCH LOCATIONS

For use on
6x6x4
8x6x4
10x8x4
10x8x6

For use on
12x10x6 D=8.00 (203mm)
14x12x6 D=8.54 (217mm)
16x14x8 D=8.54 (217mm)

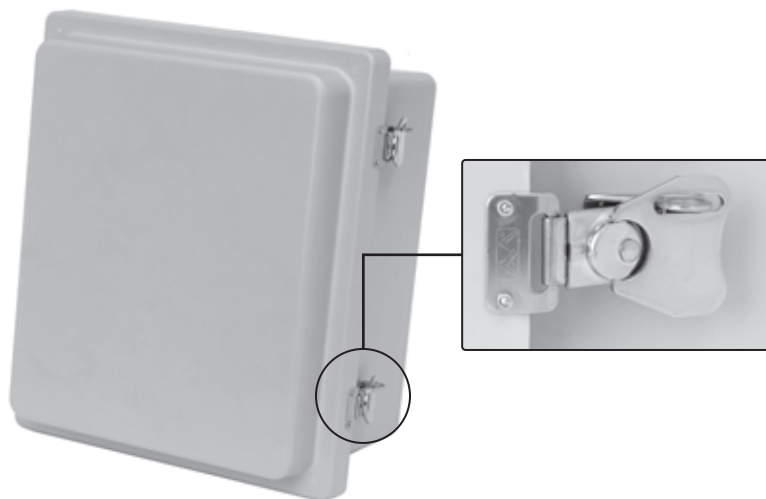
For use on
18x16x8 D=6.50 (165mm)
20x16x8 D=10.52 (267mm)



Part No.	Box Size			Usable Depth	Panel Boss Centers		Foot Mount Centers		Cover Size				Window Dimension (height x width)
	A	B	C		F	S	Z	H	L	K	M	U	
AM664RLW	6.10	6.10	4.18	5.26	4.25	4.25	5.01	7.32	6.08	6.08	7.69	7.69	4.25 X 4.25
	155mm	155mm	106mm	134mm	108mm	108mm	127mm	186mm	154mm	154mm	195mm	195mm	108mm X 108mm
AM864RLW	8.00	6.13	4.13	5.21	6.25	4.25	5.01	9.19	6.11	7.98	9.59	7.71	6.25 X 4.25
	203mm	156mm	105mm	132mm	159mm	108mm	127mm	233mm	155mm	203mm	244mm	196mm	159mm X 108mm
AM1084RLW	10.14	8.26	4.13	5.21	8.25	6.25	7.01	11.19	8.44	10.32	11.73	9.85	8.38 X 6.50
	258mm	210mm	105mm	132mm	210mm	159mm	178mm	284mm	214mm	262mm	298mm	250mm	213mm X 159mm
AM1086RLW	10.14	8.26	6.13	7.21	8.25	6.25	7.01	11.19	8.44	10.32	11.73	9.85	8.38 X 6.50
	258mm	210mm	156mm	183mm	210mm	159mm	178mm	284mm	214mm	262mm	298mm	250mm	213mm X 159mm
AM1206RLW	12.14	10.26	6.13	7.21	10.25	8.25	9.01	13.19	10.45	12.32	13.73	11.85	10.38 X 8.50
	308mm	261mm	156mm	183mm	260mm	210mm	229mm	335mm	265mm	313mm	349mm	301mm	264mm X 216mm
AM1426RLW	14.13	12.26	6.13	7.21	12.25	10.25	11.01	15.19	12.45	14.32	15.73	13.85	12.38 X 10.50
	359mm	311mm	156mm	183mm	311mm	260mm	280mm	386mm	316mm	364mm	400mm	352mm	314mm X 267mm
AM1648RLW	16.27	14.40	8.13	9.21	14.25	12.25	13.01	17.19	13.86	15.73	17.87	15.99	13.00 X 11.00
	413mm	366mm	207mm	234mm	362mm	311mm	330mm	437mm	352mm	400mm	454mm	406mm	330mm X 279mm
AM1868RLW	18.40	16.40	8.13	9.21	16.25	14.25	14.97	19.28	15.86	17.86	20.00	18.00	14.00 X 12.00
	467mm	417mm	207mm	234mm	413mm	362mm	380mm	490mm	403mm	454mm	508mm	457mm	356mm X 305mm
AM2068RLW	20.00	16.00	8.13	9.21	17.81	13.81	14.54	20.84	15.43	19.43	21.59	17.59	15.00 X 11.00
	508mm	406mm	207mm	234mm	452mm	351mm	369mm	529mm	392mm	494mm	548mm	447mm	381mm X 279mm

All dimensions are in inches unless otherwise noted.





AM-R Series JIC Size Junction Boxes: Twist Latch Hinged Cover

A P P L I C A T I O N

- 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

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 specifications
- UL 508 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified LR 89590 for use with industrial control equipment CSA Enc. 1, 2, 3, 4, 4X, 12, 13
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

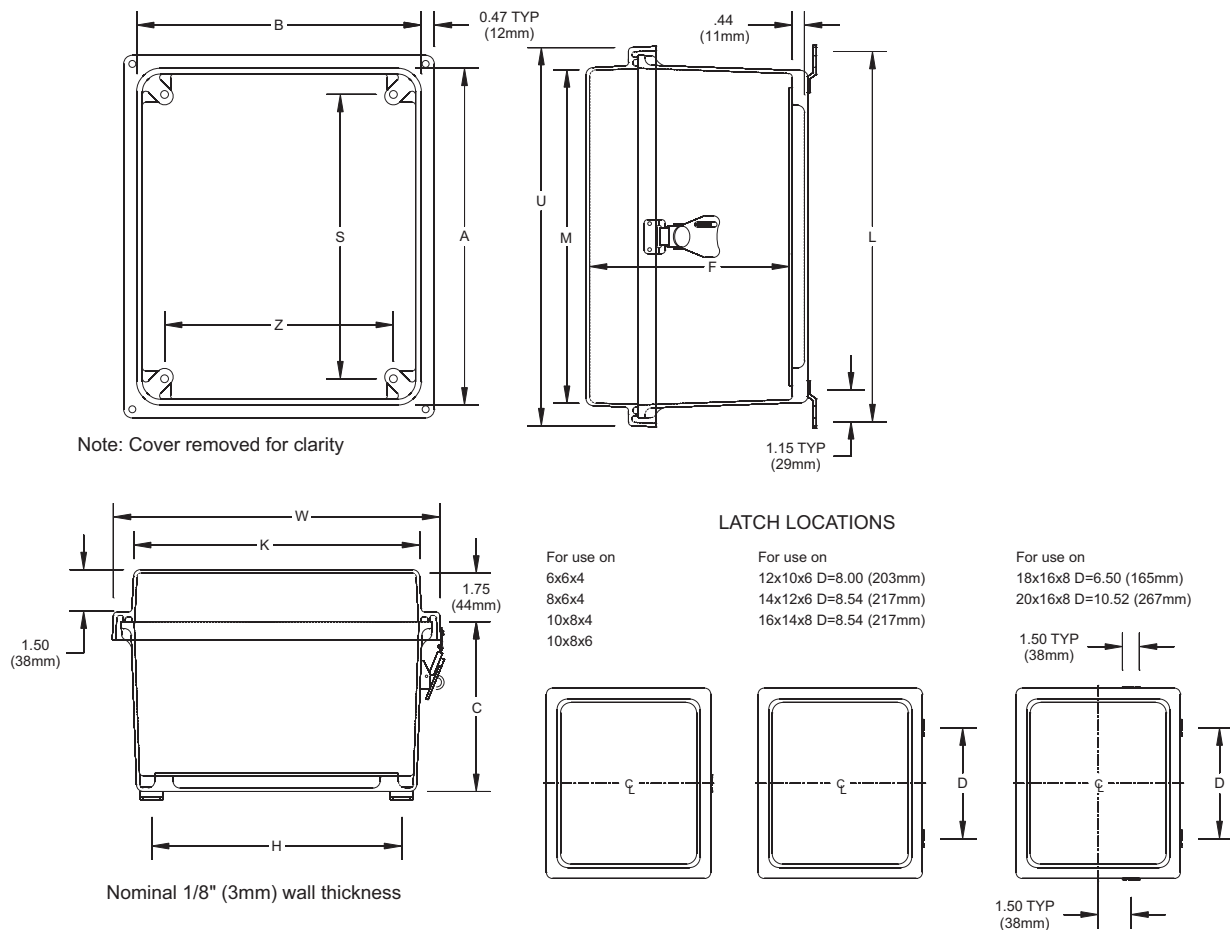
- Strong, molded Ultraguard® fiberglass reinforced polyester material construction with matching raised cover
- 304 stainless steel twist latches feature padlock hasp
- Continuous stainless steel hinge
- Gasket made of closed-cell neoprene cord encased in a continuous channel
- 304 stainless steel wall mounting feet with 10-32 stainless steel screws included
- 10-32 threaded inserts are installed for optional back panel
- JIC sizing
- Ultraguard® fiberglass material is easily punched, drilled or sawed
- UV stabilized for outdoor use

A C C E S S O R I E S

- Optional back panels (See table on pages 102-103.)
- Optional deadfront panel (See table on pages 102-103.)
- Optional thermal management products (See pages 104-105.)

M O D I F I C A T I O N S

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

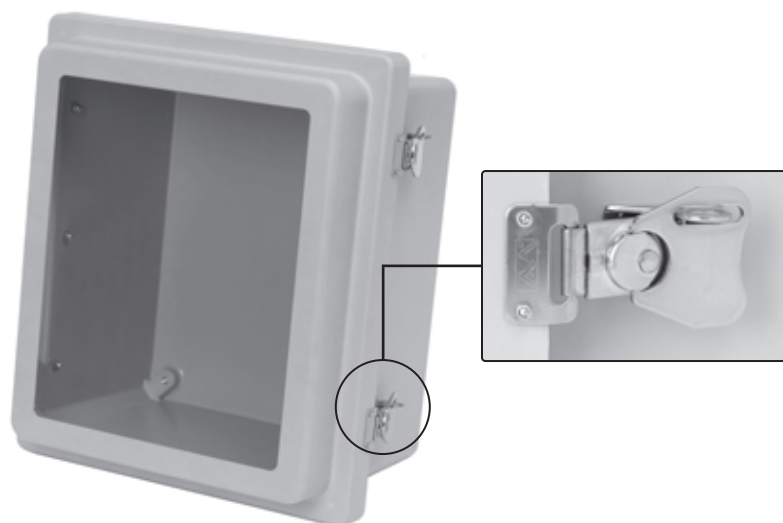


Box Size				Usable Depth	Panel Boss Centers		Foot Mount Centers		Cover Size			
Part No.	A	B	C	F	S	Z	H	L	K	M	U	W
AM664RT	6.10	6.10	4.18	5.26	4.25	4.25	5.01	7.32	6.08	6.08	7.69	7.69
	155mm	155mm	106mm	134mm	108mm	108mm	127mm	186mm	154mm	154mm	195mm	195mm
AM864RT	8.00	6.13	4.13	5.21	6.25	4.25	5.01	9.19	6.11	7.98	9.59	7.71
	203mm	156mm	105mm	132mm	159mm	108mm	127mm	233mm	155mm	203mm	244mm	196mm
AM1084RT	10.14	8.26	4.13	5.21	8.25	6.25	7.01	11.19	8.44	10.32	11.73	9.85
	258mm	210mm	105mm	132mm	210mm	159mm	178mm	284mm	214mm	262mm	298mm	250mm
AM1086RT	10.14	8.26	6.13	7.21	8.25	6.25	7.01	11.19	8.44	10.32	11.73	9.85
	258mm	210mm	156mm	183mm	210mm	159mm	178mm	284mm	214mm	262mm	298mm	250mm
AM1206RT	12.14	10.26	6.13	7.21	10.25	8.25	9.01	13.19	10.45	12.32	13.73	11.85
	308mm	261mm	156mm	183mm	260mm	210mm	229mm	335mm	265mm	313mm	349mm	301mm
AM1426RT	14.13	12.26	6.13	7.21	12.25	10.25	11.01	15.19	12.45	14.32	15.73	13.85
	359mm	311mm	156mm	183mm	311mm	260mm	280mm	386mm	316mm	364mm	400mm	352mm
AM1648RT	16.27	14.40	8.13	9.21	14.25	12.25	13.01	17.19	13.86	15.73	17.87	15.99
	413mm	366mm	207mm	234mm	362mm	311mm	330mm	437mm	352mm	400mm	454mm	406mm
AM1868RT	18.40	16.40	8.13	9.21	16.25	14.25	14.97	19.28	15.86	17.86	20.00	18.00
	467mm	417mm	207mm	234mm	413mm	362mm	380mm	490mm	403mm	454mm	508mm	457mm
AM2068RT	20.00	16.00	8.13	9.21	17.81	13.81	14.54	20.84	15.43	19.43	21.59	17.59
	508mm	406mm	207mm	234mm	452mm	351mm	369mm	529mm	392mm	494mm	548mm	447mm

All dimensions are in inches unless otherwise noted.



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AM-R Series JIC Size Junction Boxes: Twist Latch Hinged Cover With Window

A P P L I C A T I O N

- 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

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 specifications
- UL 508 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified LR 89590 for use with industrial control equipment CSA Enc. 1, 2, 3, 4, 4X, 12, 13
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

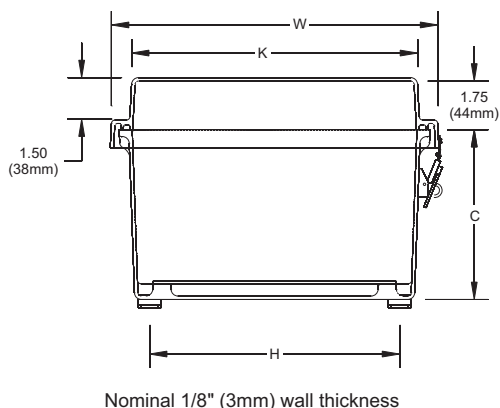
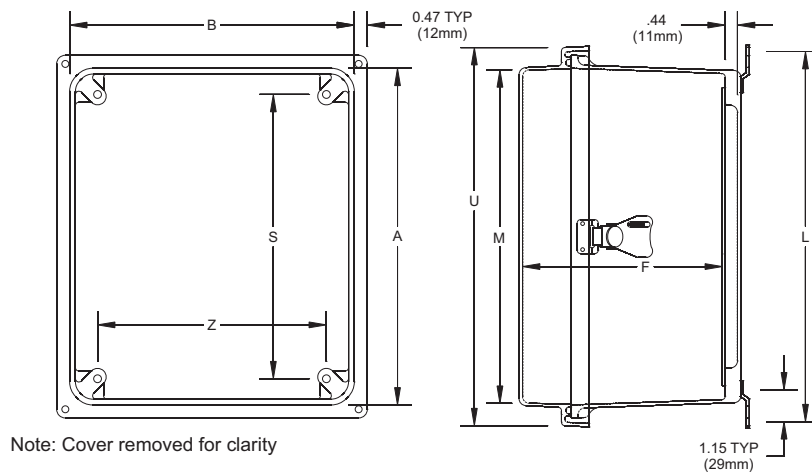
- Strong, molded Ultraguard® fiberglass reinforced polyester material construction with matching raised cover
- UV resistant polycarbonate viewing window
- 304 stainless steel twist latches feature padlock hasp
- Continuous stainless steel hinge
- Gasket made of closed-cell neoprene cord encased in a continuous channel
- 304 stainless steel wall mounting feet with 10-32 stainless steel screws included
- 10-32 threaded inserts are installed for optional back panel
- JIC sizing
- Ultraguard® fiberglass material is easily punched, drilled or sawed
- UV stabilized for outdoor use

A C C E S S O R I E S

- Optional back panels (See table on pages 102-103.)
- Optional deadfront panel (See table on pages 102-103.)
- Optional thermal management products (See pages 104-105.)

M O D I F I C A T I O N S

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

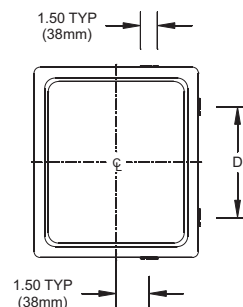
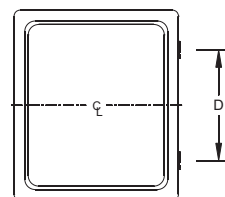
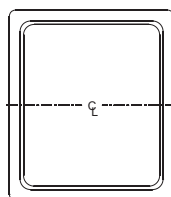


LATCH LOCATIONS

For use on
6x6x4
8x6x4
10x8x4
10x8x6

For use on
12x10x6 D=8.00 (203mm)
14x12x6 D=8.54 (217mm)
16x14x8 D=8.54 (217mm)

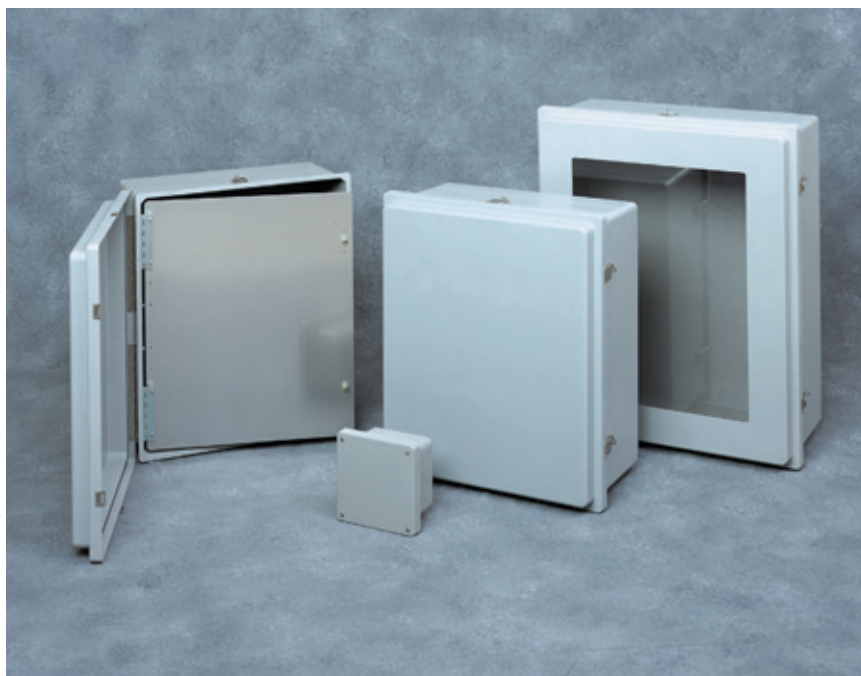
For use on
18x16x8 D=6.50 (165mm)
20x16x8 D=10.52 (267mm)



Part No.	Box Size			Usable Depth F	Panel Boss Centers		Foot Mount Centers		Cover Size				Window Dimension (height x width)
	A	B	C		S	Z	H	L	K	M	U	W	
AM664RTW	6.10 155mm	6.10 155mm	4.18 106mm	5.26 134mm	4.25 108mm	4.25 108mm	5.01 127mm	7.32 186mm	6.08 154mm	6.08 154mm	7.69 195mm	7.69 195mm	4.25 X 4.25 108mm X 108mm
AM864RTW	8.00 203mm	6.13 156mm	4.13 105mm	5.21 132mm	6.25 159mm	4.25 108mm	5.01 127mm	9.19 233mm	6.11 155mm	7.98 203mm	9.59 244mm	7.71 196mm	6.25 X 4.25 159mm X 108mm
AM1084RTW	10.14 258mm	8.26 210mm	4.13 105mm	5.21 132mm	8.25 210mm	6.25 159mm	7.01 178mm	11.19 284mm	8.44 214mm	10.32 262mm	11.73 298mm	9.85 250mm	8.38 X 6.50 213mm X 159mm
AM1086RTW	10.14 258mm	8.26 210mm	6.13 156mm	7.21 183mm	8.25 210mm	6.25 159mm	7.01 178mm	11.19 284mm	8.44 214mm	10.32 262mm	11.73 298mm	9.85 250mm	8.38 X 6.50 213mm X 159mm
AM1206RTW	12.14 308mm	10.26 261mm	6.13 156mm	7.21 183mm	10.25 260mm	8.25 210mm	9.01 229mm	13.19 335mm	10.45 265mm	12.32 313mm	13.73 349mm	11.85 301mm	10.38 X 8.50 264mm X 216mm
AM1426RTW	14.13 359mm	12.26 311mm	6.13 156mm	7.21 183mm	12.25 311mm	10.25 260mm	11.01 280mm	15.19 386mm	12.45 316mm	14.32 364mm	15.73 400mm	13.85 352mm	12.38 X 10.50 314mm X 267mm
AM1648RTW	16.27 413mm	14.40 366mm	8.13 207mm	9.21 234mm	14.25 362mm	12.25 311mm	13.01 330mm	17.19 437mm	13.86 352mm	15.73 400mm	17.87 454mm	15.99 406mm	13.00 X 11.00 330mm X 279mm
AM1868RTW	18.40 467mm	16.40 417mm	8.13 207mm	9.21 234mm	16.25 413mm	14.25 362mm	14.97 380mm	19.28 490mm	15.86 403mm	17.86 454mm	20.00 508mm	18.00 457mm	14.00 X 12.00 356mm X 305mm
AM2068RTW	20.00 508mm	16.00 406mm	8.13 207mm	9.21 234mm	17.81 452mm	13.81 351mm	14.54 369mm	20.84 529mm	15.43 392mm	19.43 494mm	21.59 548mm	17.59 447mm	15.00 X 11.00 381mm X 279mm

All dimensions are in inches unless otherwise noted.





Control Series

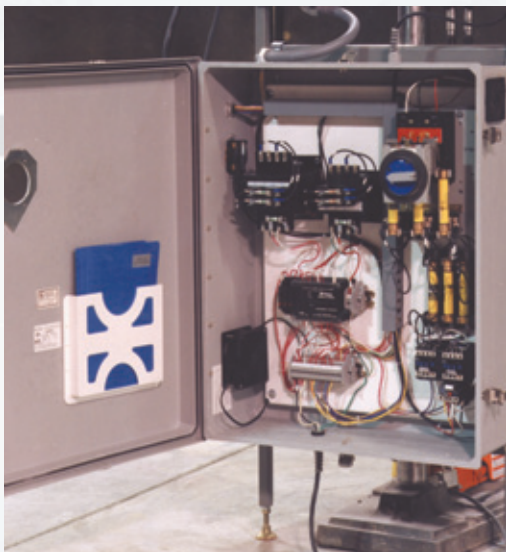
The larger Control Series offers standard features as well as full-panel access and all usable panel space. In addition, the standard grey cover is available with or without a full-length polycarbonate viewing window. Other options include removable aluminum deadfront panel and back panels.

Control Series enclosures insulate and protect controls and components against the toughest elements in the harshest environments. Available in popular larger sizes and depths and with standard stainless steel hinges and latches.

Control Series Features & Benefits

- Molded Ultraguard® fiberglass reinforced polyester material construction for durability
- One-piece body construction provides added dimensional stability
- Standards sizes from 24" x 20" x 9-3/4" to 30" x 24" x 11-3/4"
- Closed-cell neoprene gasket encased in a continuous channel
- Raised cover for additional depth
- 304 stainless steel hardware and mounting feet
- Mounting panel inserts for optional back panel
- Optional hinged deadfront panel
- UV stabilized for outdoor use





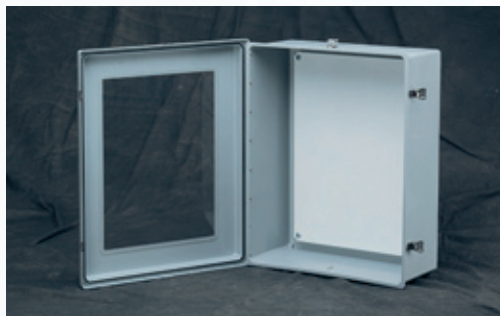
Suitable Applications

- Electrical junctions
- Terminal wiring
- Electrical and electronic controls, instruments, components
- Housing pushbuttons, switches or other devices
- Other industrial control equipment



Control Series Specifications

- Non-corrosive
- Non-conductive
- 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 galvanized steel
- Aluminum hinged dead front panel for configuration flexibility
- UV resistant polycarbonate viewing windows
- Thermal management products

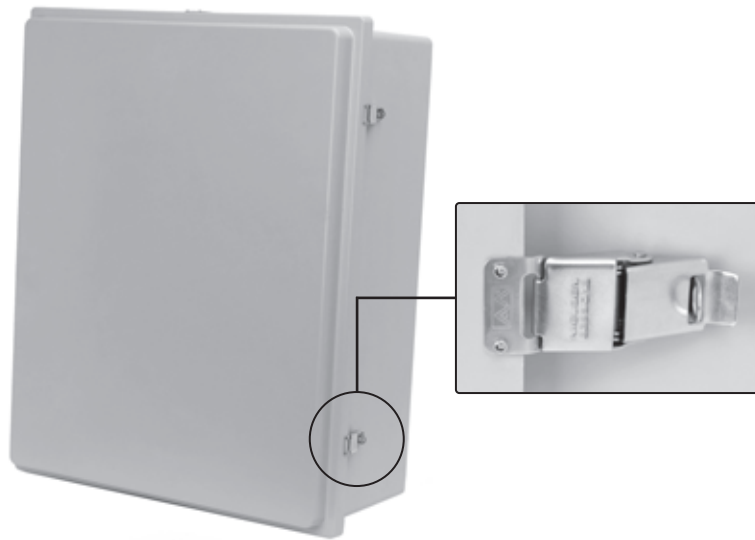
Modifications

We are pleased to modify any of our standard products to fit your needs. We have the lowest volume requirements on custom work in the industry, and quick turnaround time.

We can modify any of our Control Series enclosures with:

- Custom size holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matches
- EMI/RFI shielding
- Factory-supplied silk screening

For complete details on factory modifications including a modification request form, see pages 106-108.



Control Series: Snap Latch Hinged Cover

A P P L I C A T I O N

- 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

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 specifications
- UL 508 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified LR 89590 for use with industrial control equipment CSA Enc. 1, 2, 3, 4, 4X, 12, 13
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

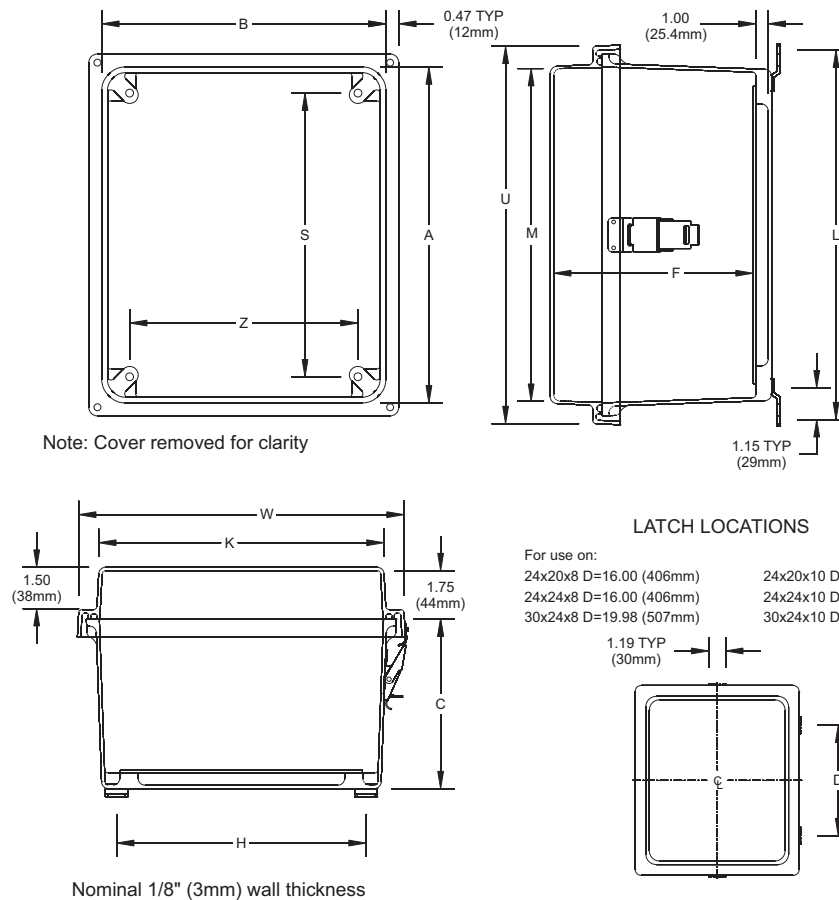
- Strong, molded Ultraguard® fiberglass reinforced polyester material construction with matching raised cover
- Full panel access
- All usable panel space
- 304 stainless steel snap latches feature padlock hasp
- Continuous stainless steel hinge
- Closed-cell neoprene gasket encased in a continuous channel
- 304 stainless steel wall mounting feet with 3/8-16 stainless steel screws included
- 3/8-16 threaded inserts are installed for optional back panel
- Ultraguard® fiberglass material is easily punched, drilled or sawed
- UV stabilized for outdoor use

A C C E S S O R I E S

- Optional back panels (See table on pages 102-103.)
- Optional deadfront panel (See table on pages 102-103.)
- Optional thermal management products (See pages 104-105.)

M O D I F I C A T I O N S

- Custom size holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matches
- EMI/RFI shielding
- Factory-supplied silk screening

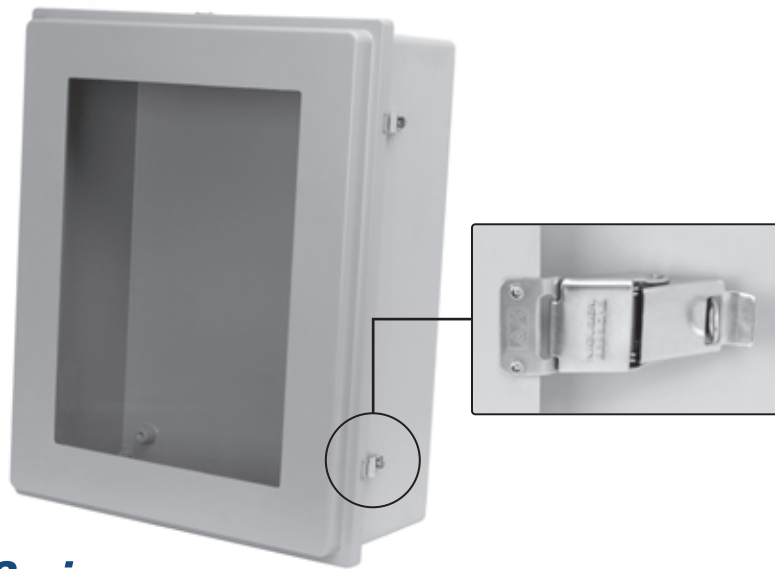


Box Size				Usable Depth	Panel Boss Centers		Foot Mount Centers		Cover Size			
Part No.	A	B	C	F	S	Z	H	L	K	M	U	W
AM24208RL	24.00	20.00	8.13	8.56	19.25	15.25	18.75	26.85	20.16	24.16	25.59	21.59
	610mm	508mm	207mm	217mm	489mm	387mm	476mm	682mm	512mm	614mm	650mm	548mm
AM24248RL	24.00	24.00	8.13	8.56	19.25	19.25	22.75	26.85	24.16	24.16	25.59	25.59
	610mm	610mm	207mm	217mm	489mm	489mm	578mm	682mm	614mm	614mm	650mm	650mm
AM30248RL	30.00	24.00	8.13	8.56	25.25	19.25	22.75	32.85	24.16	30.16	31.59	25.59
	762mm	610mm	207mm	217mm	641mm	489mm	578mm	834mm	614mm	766mm	802mm	650mm
AM24200RL	24.00	20.00	10.13	10.56	19.25	15.25	18.75	26.85	20.16	24.16	25.59	21.59
	610mm	508mm	257mm	268mm	489mm	387mm	476mm	682mm	512mm	614mm	650mm	548mm
AM24240RL	24.00	24.00	10.13	10.56	19.25	19.25	22.75	26.85	24.16	24.16	25.59	25.59
	610mm	610mm	257mm	268mm	489mm	489mm	578mm	682mm	614mm	614mm	650mm	650mm
AM30240RL	30.00	24.00	10.13	10.56	25.25	19.25	22.75	32.85	24.16	30.16	31.59	25.59
	762mm	610mm	257mm	268mm	641mm	489mm	578mm	834mm	614mm	766mm	802mm	650mm

All dimensions are in inches unless otherwise noted.



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Control Series: Snap Latch Hinged Cover With Window

A P P L I C A T I O N

- 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

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 specifications
- UL 508 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified LR 89590 for use with industrial control equipment CSA Enc. 1, 2, 3, 4, 4X, 12, 13
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

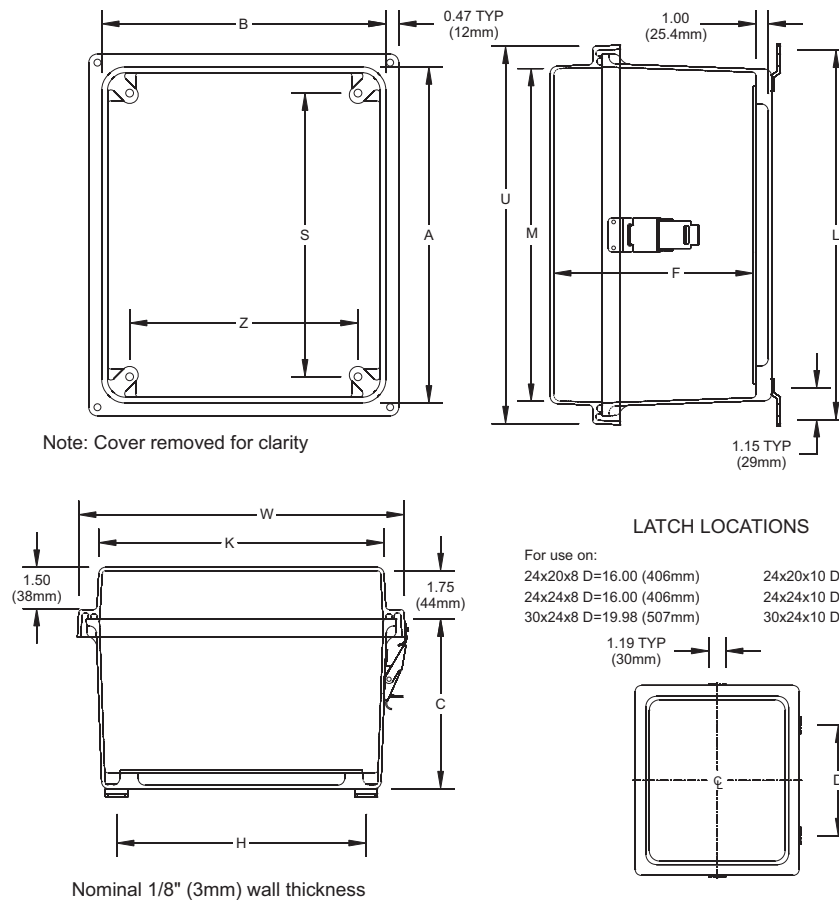
- Strong, molded Ultraguard® fiberglass reinforced polyester material construction with matching raised cover
- Full panel access
- All usable panel space
- UV resistant polycarbonate viewing window
- 304 stainless steel snap latches feature padlock hasp
- Continuous stainless steel hinge
- Closed-cell neoprene gasket encased in a continuous channel
- 304 stainless steel wall mounting feet with 3/8-16 stainless steel screws included
- 3/8-16 threaded inserts are installed for optional back panel
- Ultraguard® fiberglass material is easily punched, drilled or sawed
- UV stabilized for outdoor use

A C C E S S O R I E S

- Optional back panels (See table on pages 102-103.)
- Optional deadfront panel (See table on pages 102-103.)
- Optional thermal management products (See pages 104-105.)

M O D I F I C A T I O N S

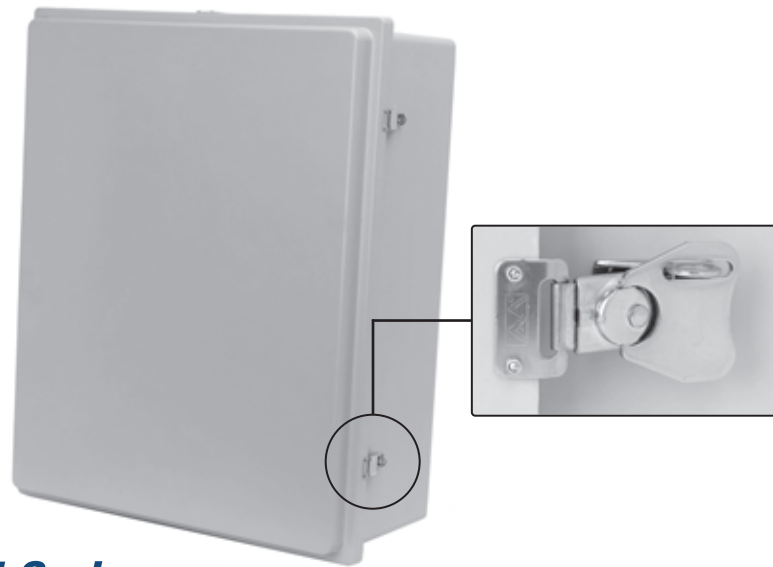
- Custom size holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matches
- EMI/RFI shielding
- Factory-supplied silk screening



Part No.	Box Size			Usable Depth F	Panel Boss Centers		Foot Mount Centers		Cover Size				Window Dimension (height x width)
	A	B	C		S	Z	H	L	K	M	U	W	
AM24208RLW	24.00	20.00	8.13	8.56	19.25	15.25	18.75	26.85	20.16	24.16	25.59	21.59	16.00 X 12.00
	610mm	508mm	207mm	217mm	489mm	387mm	476mm	682mm	512mm	614mm	650mm	548mm	406mm X 305mm
AM24248RLW	24.00	24.00	8.13	8.56	19.25	19.25	22.75	26.85	24.16	24.16	25.59	25.59	16.00 X 16.00
	610mm	610mm	207mm	217mm	489mm	489mm	578mm	682mm	614mm	614mm	650mm	650mm	406mm X 406mm
AM30248RLW	30.00	24.00	8.13	8.56	25.25	19.25	22.75	32.85	24.16	30.16	31.59	25.59	23.00 X 17.00
	762mm	610mm	207mm	217mm	641mm	489mm	578mm	834mm	614mm	766mm	802mm	650mm	584mm X 432mm
AM24200RLW	24.00	20.00	10.13	10.56	19.25	15.25	18.75	26.85	20.16	24.16	25.59	21.59	16.00 X 12.00
	610mm	508mm	257mm	268mm	489mm	387mm	476mm	682mm	512mm	614mm	650mm	548mm	406mm X 305mm
AM24240RLW	24.00	24.00	10.13	10.56	19.25	19.25	22.75	26.85	24.16	24.16	25.59	25.59	16.00 X 16.00
	610mm	610mm	257mm	268mm	489mm	489mm	578mm	682mm	614mm	614mm	650mm	650mm	406mm X 406mm
AM30240RLW	30.00	24.00	10.13	10.56	25.25	19.25	22.75	32.85	24.16	30.16	31.59	25.59	23.00 X 17.00
	762mm	610mm	257mm	268mm	641mm	489mm	578mm	834mm	614mm	766mm	802mm	650mm	584mm X 432mm

All dimensions are in inches unless otherwise noted.





Control Series: Twist Latch Hinged Cover

A P P L I C A T I O N

- 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

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 specifications
- UL 508 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified LR 89590 for use with industrial control equipment CSA Enc. 1, 2, 3, 4, 4X, 12, 13
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

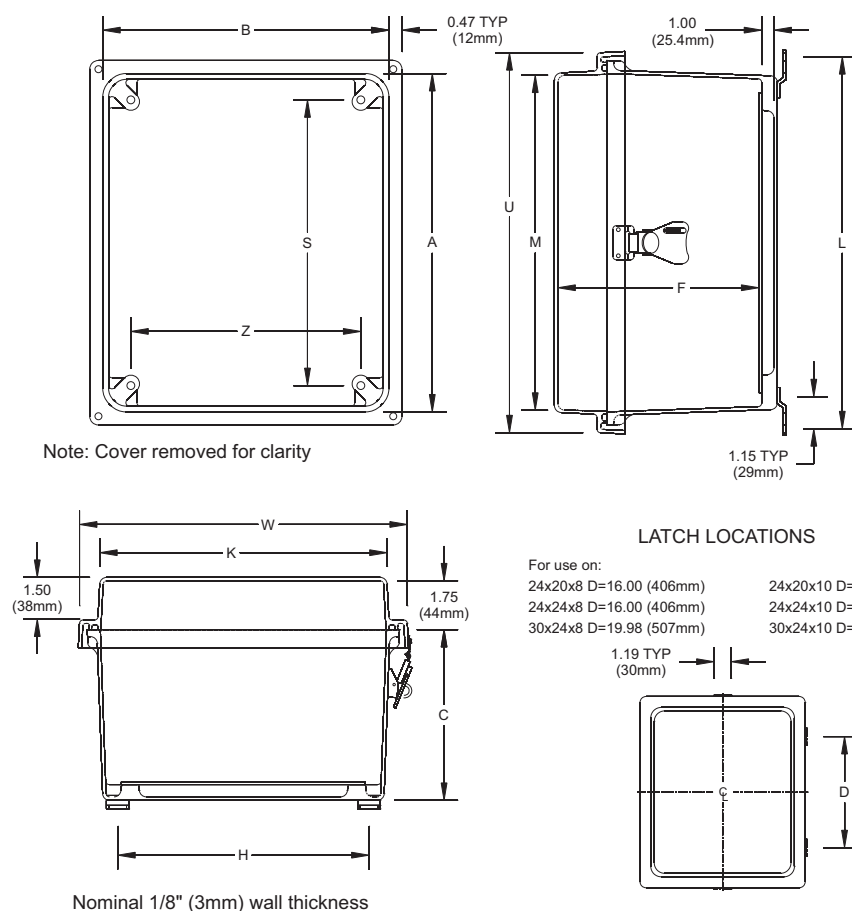
- Strong, molded Ultraguard® fiberglass reinforced polyester material construction with matching raised cover
- Full panel access
- All usable panel space
- 304 stainless steel twist latches feature padlock hasp
- Continuous stainless steel hinge
- Closed-cell neoprene gasket encased in a continuous channel
- 304 stainless steel wall mounting feet with 3/8-16 stainless steel screws included
- 3/8-16 threaded inserts are installed for optional back panel
- Ultraguard® fiberglass material is easily punched, drilled or sawed
- UV stabilized for outdoor use

A C C E S S O R I E S

- Optional back panels (See table on pages 102-103.)
- Optional deadfront panel (See table on pages 102-103.)
- Optional thermal management products (See pages 104-105.)

M O D I F I C A T I O N S

- Custom size holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matches
- EMI/RFI shielding
- Factory-supplied silk screening

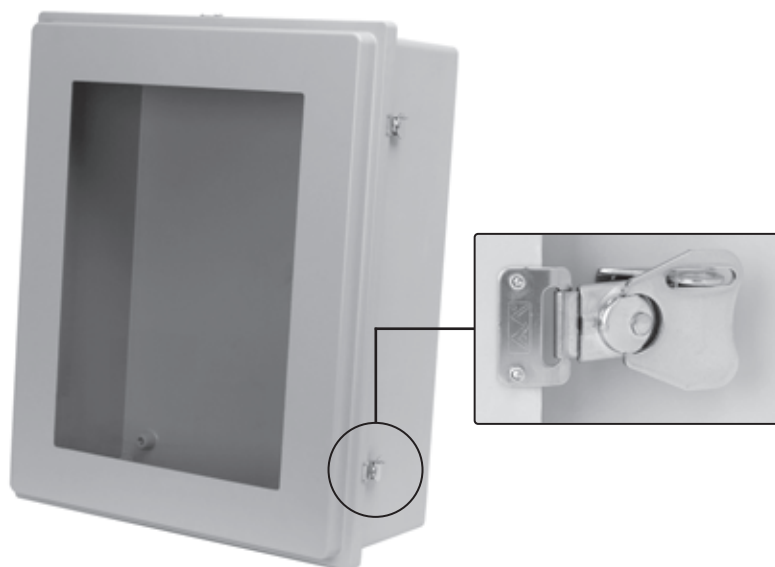


Part No.	Box Size			Usable Depth	Panel Boss Centers			Foot Mount Centers		Cover Size			
	A	B	C		F	S	Z	H	L	K	M	U	W
AM24208RT	24.00 610mm	20.00 508mm	8.13 207mm	8.56 217mm	19.25 489mm	15.25 387mm	18.75 476mm	26.85 682mm	20.16 512mm	24.16 614mm	25.59 650mm	21.59 548mm	
AM24248RT	24.00 610mm	24.00 610mm	8.13 207mm	8.56 217mm	19.25 489mm	19.25 489mm	22.75 578mm	26.85 682mm	24.16 614mm	24.16 614mm	25.59 650mm	25.59 650mm	
AM30248RT	30.00 762mm	24.00 610mm	8.13 207mm	8.56 217mm	25.25 641mm	19.25 489mm	22.75 578mm	32.85 834mm	24.16 614mm	30.16 766mm	31.59 802mm	25.59 650mm	
AM24200RT	24.00 610mm	20.00 508mm	10.13 257mm	10.56 268mm	19.25 489mm	15.25 387mm	18.75 476mm	26.85 682mm	20.16 512mm	24.16 614mm	25.59 650mm	21.59 548mm	
AM24240RT	24.00 610mm	24.00 610mm	10.13 257mm	10.56 268mm	19.25 489mm	19.25 489mm	22.75 578mm	26.85 682mm	24.16 614mm	24.16 614mm	25.59 650mm	25.59 650mm	
AM30240RT	30.00 762mm	24.00 610mm	10.13 257mm	10.56 268mm	25.25 641mm	19.25 489mm	22.75 578mm	32.85 834mm	24.16 614mm	30.16 766mm	31.59 802mm	25.59 650mm	

All dimensions are in inches unless otherwise noted.



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Control Series: Twist Latch Hinged Cover With Window

A P P L I C A T I O N

- 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

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X, 12 specifications
- UL 508 listed, Type 1, 2, 3, 3R, 4, 4X, 12, 13
- CSA certified LR 89590 for use with industrial control equipment CSA Enc. 1, 2, 3, 4, 4X, 12, 13
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

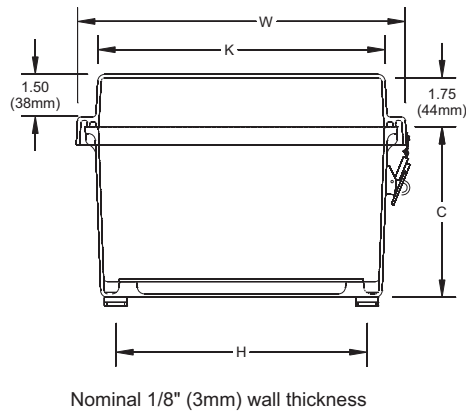
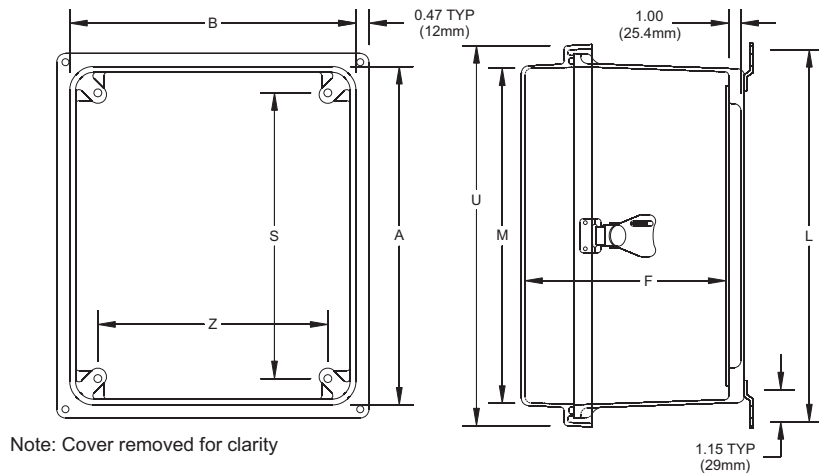
- Strong, molded Ultraguard® fiberglass reinforced polyester material construction with matching raised cover
- Full panel access
- All usable panel space
- UV resistant polycarbonate viewing window
- 304 stainless steel twist latches feature padlock hasp
- Continuous stainless steel hinge
- Closed-cell neoprene gasket encased in a continuous channel
- 304 stainless steel wall mounting feet with 3/8-16 stainless steel screws included
- 3/8-16 threaded inserts are installed for optional back panel
- Ultraguard® fiberglass material is easily punched, drilled or sawed
- UV stabilized for outdoor use

A C C E S S O R I E S

- Optional back panels (See table on pages 102-103.)
- Optional deadfront panel (See table on pages 102-103.)
- Optional thermal management products (See pages 104-105.)

M O D I F I C A T I O N S

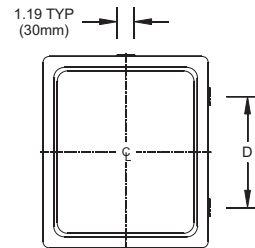
- Custom size holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matches
- EMI/RFI shielding
- Factory-supplied silk screening



LATCH LOCATIONS

For use on:

24x20x8 D=16.00 (406mm)	24x20x10 D=16.00 (406mm)
24x24x8 D=16.00 (406mm)	24x24x10 D=16.00 (406mm)
30x24x8 D=19.98 (507mm)	30x24x10 D=19.98 (507mm)



Part No.	Box Size			Usable Depth F	Panel Boss Centers		Foot Mount Centers		Cover Size				Window Dimension (height x width)
	A	B	C		S	Z	H	L	K	M	U	W	
AM24208RTW	24.00 610mm	20.00 508mm	8.13 207mm	8.56 217mm	19.25 489mm	15.25 387mm	18.75 476mm	26.85 682mm	20.16 512mm	24.16 614mm	25.59 650mm	21.59 548mm	16.00 X 12.00 406mm X 305mm
AM24248RTW	24.00 610mm	24.00 610mm	8.13 207mm	8.56 217mm	19.25 489mm	19.25 489mm	22.75 578mm	26.85 682mm	24.16 614mm	24.16 614mm	25.59 650mm	25.59 650mm	16.00 X 16.00 406mm X 406mm
AM30248RTW	30.00 762mm	24.00 610mm	8.13 207mm	8.56 217mm	25.25 641mm	19.25 489mm	22.75 578mm	32.85 834mm	24.16 614mm	30.16 766mm	31.59 802mm	25.59 650mm	23.00 X 17.00 584mm X 432mm
AM24200RTW	24.00 610mm	20.00 508mm	10.13 257mm	10.56 268mm	19.25 489mm	15.25 387mm	18.75 476mm	26.85 682mm	20.16 512mm	24.16 614mm	25.59 650mm	21.59 548mm	16.00 X 12.00 406mm X 305mm
AM24240RTW	24.00 610mm	24.00 610mm	10.13 257mm	10.56 268mm	19.25 489mm	19.25 489mm	22.75 578mm	26.85 682mm	24.16 614mm	24.16 614mm	25.59 650mm	25.59 650mm	16.00 X 16.00 406mm X 406mm
AM30240RTW	30.00 762mm	24.00 610mm	10.13 257mm	10.56 268mm	25.25 641mm	19.25 489mm	22.75 578mm	32.85 834mm	24.16 614mm	30.16 766mm	31.59 802mm	25.59 650mm	23.00 X 17.00 584mm X 432mm

All dimensions are in inches unless otherwise noted.



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Empire Series



For your largest applications, turn to the Empire Series from Allied Moulded. Fiberglass construction offers durability and strength without the excessive weight of a comparable metal enclosure. Available in ten standard sizes, including eight wall mount cabinets from 36" x 30" x 12" to 60" x 36" x 16" and two freestanding sizes up to 72" x 49" x 25". A full range of modification services are also available on our Empire Series enclosures.

Empire Series Features & Benefits

- Ultraguard® fiberglass reinforced polyester material construction for durability
- Continuous stainless steel hinge
- Flexible, self-gripping gasket compresses over flange for tight seal
- Wall mount units need only three closure latches to meet NEMA Type 4X requirements
- Freestanding units have 3-point latching handles which meet NEMA Type 4 requirements
- Optional painted carbon steel back panels are fully interchangeable with other specified enclosures
- Bonded fiberglass strut standard for additional mounting options

Suitable Applications

- Electrical junctions
- Terminal wiring
- Electrical and electronic controls, instruments, components
- Housing pushbuttons, switches or other devices
- Other industrial control equipment



Empire Series Specifications

- Non-corrosive
- Non-conductive
- Lightweight vs. stainless steel
- Temperature-resistant
- Fire-resistant
- Rated NEMA 4, 4X,
- cUL listed



Accessories

- Optional painted carbon steel back panels
- Optional thermal management products
- Optional print pocket

Modifications

We are pleased to modify any of our standard products to fit your needs. We have the lowest volume requirements on custom work in the industry, and quick turnaround time.

We can modify any of our Empire Series enclosures with:

- Custom holes and cutouts
- Viewing windows
- Molded-in color matches
- EMI/RFI shielding
- Factory-supplied silk screening
- Front and rear access doors
- Mounting strut

For complete details on factory modifications including a modification request form, see pages 106-108.



Empire Series: Wall Mount



A P P L I C A T I O N

- 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

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X specifications
- cUL 508 listed, Type 4, 4X
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

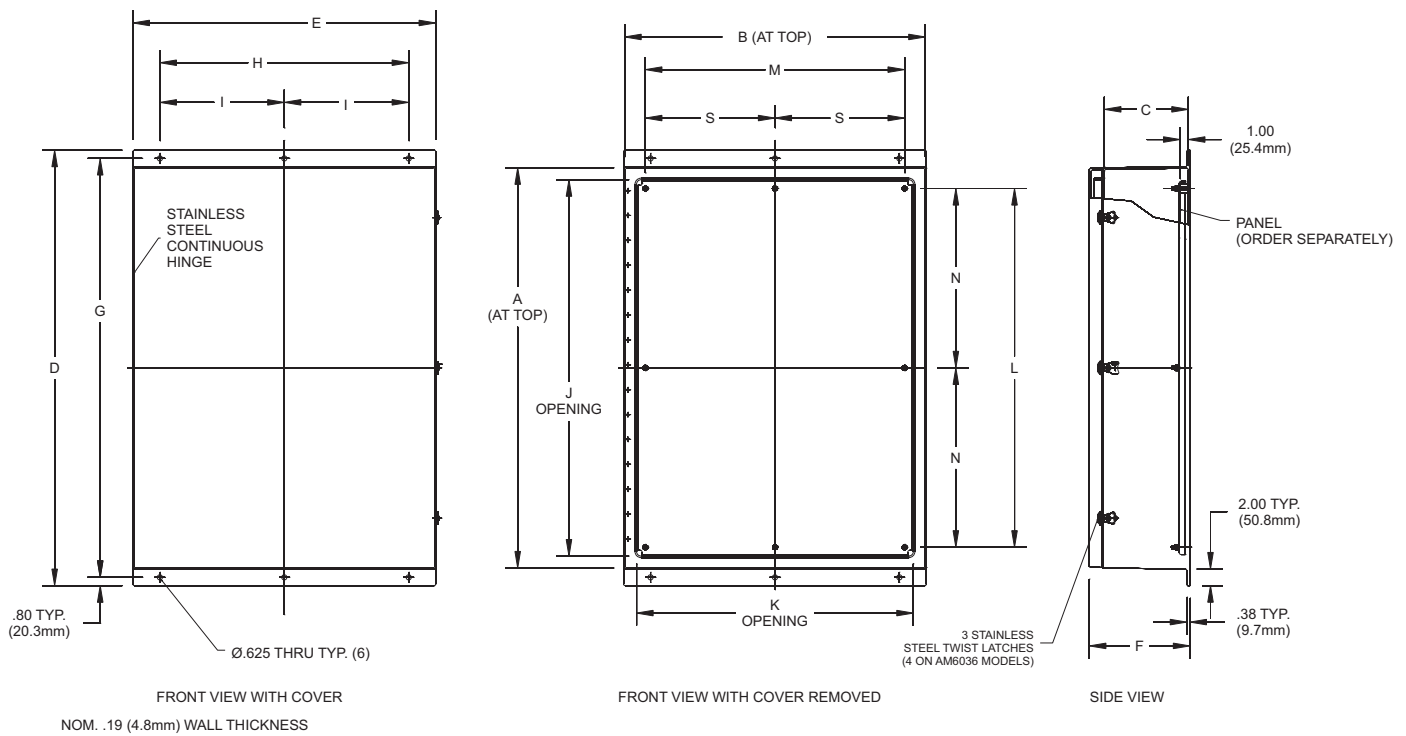
- Durable, corrosion resistant Ultraguard® fiberglass material construction
- Flexible, self-gripping gasket compresses over flange for tight seal and needs only three closure twist latches to meet NEMA 4X requirements (AM6036 requires 4 latches)
- Heavy-duty continuous 304 stainless steel hinge
- Ultraguard® fiberglass material has UV inhibitors which provide ideal protection from outdoor weathering

A C C E S S O R I E S

- Optional painted carbon steel back panels
- Optional thermal management products (See pages 104-105.)
- Optional print pocket

M O D I F I C A T I O N S

See page 100



Part No.	A	B	C	D	E	F	G	H	I	J	K	L	M
AM363012L	36.25 921mm	30.25 768mm	10.16 258mm	40.50 1,029mm	31.15 791mm	12.03 306mm	38.90 988mm	24.00 610mm	12.00 305mm	33.50 851mm	27.50 699mm	31.25 794mm	25.25 641mm
AM363016L	36.04 915mm	30.04 763mm	14.16 360mm	40.50 1,029mm	31.15 791mm	16.03 407mm	38.90 988mm	24.00 610mm	12.00 305mm	33.50 851mm	27.50 699mm	31.25 794mm	25.25 641mm
AM363612L	36.25 921mm	36.25 921mm	10.16 258mm	40.50 1,029mm	31.15 791mm	12.03 306mm	38.90 988mm	30.00 762mm	15.00 381mm	33.50 851mm	33.50 851mm	31.25 794mm	31.25 794mm
AM363616L	36.04 915mm	36.04 915mm	14.16 360mm	40.50 1,029mm	31.15 791mm	16.03 407mm	38.90 988mm	30.00 762mm	15.00 381mm	33.50 851mm	33.50 851mm	31.25 794mm	31.25 794mm
AM483612L	48.25 1,226mm	36.25 921mm	10.16 258mm	52.50 1,334mm	31.15 791mm	12.03 306mm	50.90 1,293mm	30.00 762mm	15.00 381mm	45.50 1,156mm	33.50 851mm	43.25 1,099mm	31.25 794mm
AM483616L	48.04 1,220mm	36.04 915mm	14.16 360mm	52.50 1,334mm	31.15 791mm	16.03 407mm	50.90 1,293mm	30.00 762mm	15.00 381mm	45.50 1,156mm	33.50 851mm	43.25 1,099mm	31.25 794mm
AM603612L	60.25 1,530mm	36.25 921mm	10.16 258mm	64.50 1,638mm	31.15 791mm	12.03 306mm	62.90 1,598mm	30.00 762mm	15.00 381mm	57.50 1,461mm	33.50 851mm	55.25 1,403mm	31.25 794mm
AM603616L	60.04 1,525mm	36.04 915mm	14.16 360mm	64.50 1,638mm	31.15 791mm	16.03 407mm	62.90 1,598mm	30.00 762mm	15.00 381mm	57.50 1,461mm	33.50 851mm	55.25 1,403mm	31.25 794mm

All dimensions are in inches unless otherwise noted.

Part No.	N	S	# PANEL MOUNT STUDS	# OF TWIST LATCHES
AM363012L	15.63 397mm	12.63 321mm	6	3
AM363016L	15.63 397mm	12.63 321mm	6	3
AM363612L	15.63 397mm	15.63 397mm	8	3
AM363616L	15.63 397mm	15.63 397mm	8	3
AM483612L	21.63 549mm	15.63 397mm	8	3
AM183616L	21.63 549mm	15.63 397mm	8	3
AM603612L	27.63 702mm	15.63 397mm	8	4
AM603616L	27.63 702mm	15.63 397mm	8	4

All dimensions are in inches unless otherwise noted.

Optional Carbon Steel Back Panels		
Part No.	Height	Width
P3630CS	33.00 833mm	27.00 686mm
P3636CS	33.00 833mm	33.00 833mm
P4836CS	45.00 1143mm	33.00 833mm
P6036CS	57.00 1448mm	33.00 833mm

All dimensions are in inches unless otherwise noted.





Empire Series: Free Standing Single Door

A P P L I C A T I O N

- 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

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X specifications
- cUL 508 listed, Type 4, 4X
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

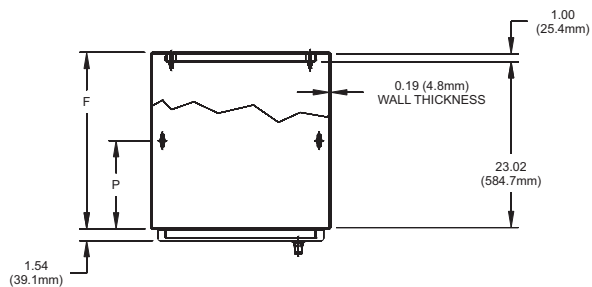
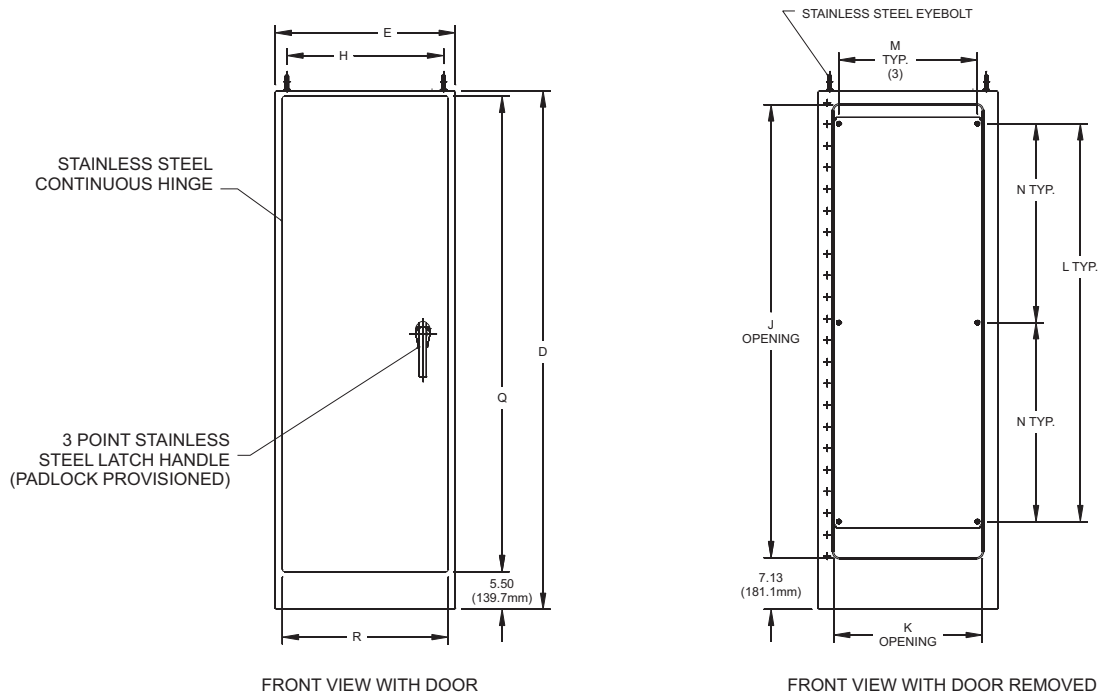
- Durable, corrosion resistant Ultraguard® fiberglass material construction
- Soft, self-gripping gasket compresses over flange for tight seal and has one 3 point latching handle with padlocking provision
- Heavy-duty continuous 304 stainless steel hinge
- Ultraguard® fiberglass material has UV inhibitors which provide ideal protection from outdoor weathering
- Heavy duty lifting eyes
- Molded-in drip shield

A C C E S S O R I E S

- Optional painted carbon steel back panels
- Optional thermal management products (See pages 104-105.)
- Optional print pocket

M O D I F I C A T I O N S

See page 100



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

All dimensions are in inches unless otherwise noted.

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



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Empire Series: Free Standing Double Door



A P P L I C A T I O N

- 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

S T A N D A R D S

- Construction meets NEMA/EEMAC Type 4, 4X specifications
- cUL 508 listed, Type 4, 4X
- Compliant with RoHS directive (Restriction of Hazardous Substances)

C O N S T R U C T I O N

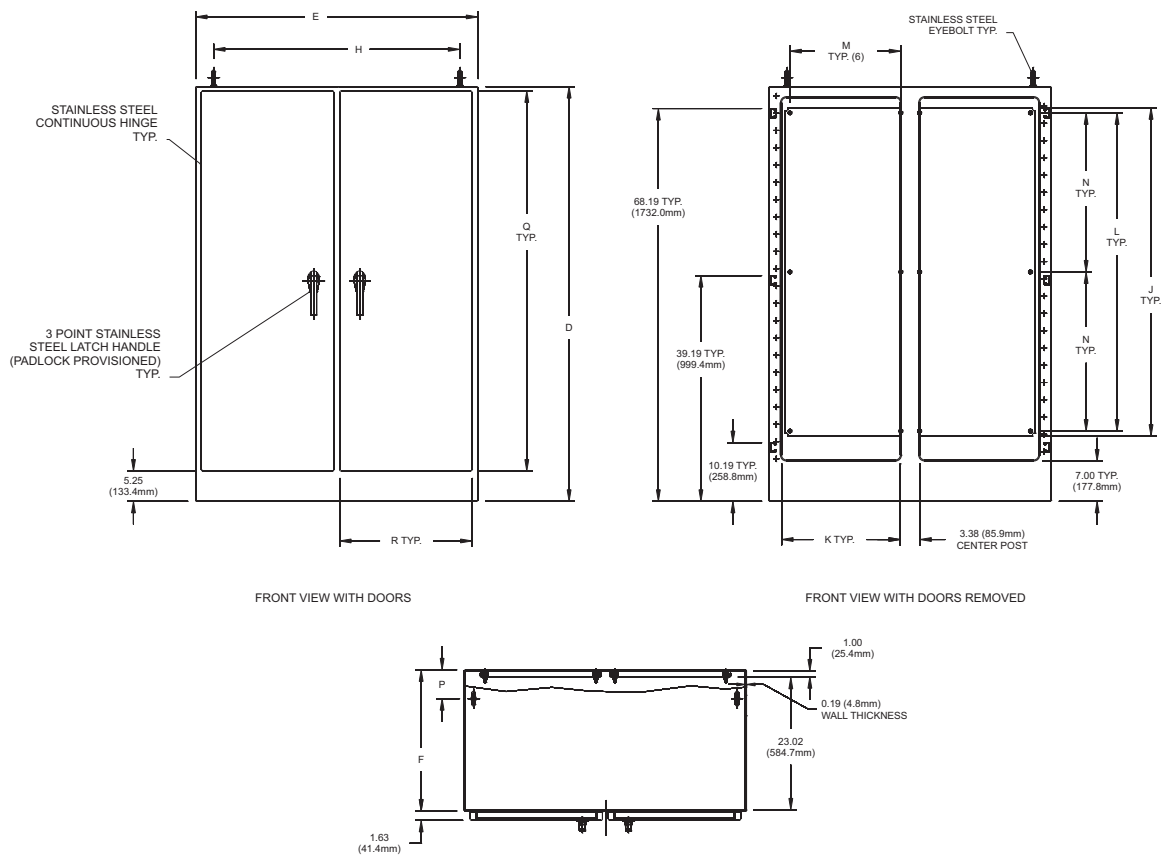
- Durable, corrosion resistant Ultraguard® fiberglass material construction
- Flexible, self-gripping gasket compresses over flange for tight seal and has one 3 point latching handle with padlocking provision
- Heavy-duty continuous 304 stainless steel hinge
- Ultraguard® Fiberglass material has UV inhibitors which provide ideal protection from outdoor weathering
- Heavy duty lifting eyes
- Molded-in drip shield
- Fiberglass mounting strut installed on side and back wall

A C C E S S O R I E S

- Optional painted carbon steel back panels
- Optional thermal management products (See pages 104-105.)
- Optional print pocket

M O D I F I C A T I O N S

See page 100



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

All dimensions are in inches unless otherwise noted.

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



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Empire Series: Modifications



Like all Allied Moulded enclosures, Empire Series enclosures can be specially modified to meet your requirements. In addition to our typical modifications such as holes, cutouts, molded-in color matches and EMI/RFI shielding, the Empire Series offers a number of other options.

Mounting Strut

- Fiberglass mounting strut bonded to enclosure interior
- Allows for installation of depth-adjustable mounting panels
- Facilitates addition of side mounted panels

Rear Access Doors

- Allows both front and rear access to enclosure
- Enables use of, and access to, both sides of mounting panel
- Increases usable door and mounting panel space

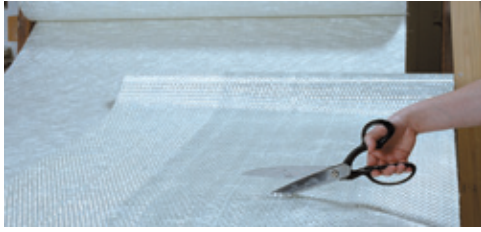
Custom Sizes

- Hand lay-up manufacturing process allows for easy fabrication of larger custom sizes
- Unique capability to fabricate enclosure size exactly to space constraints

*We are pleased to quote your custom size requirements.
For a modification request form, see page 108.*

A brief overview of our hand lay-up process follows.

Empire Series Hand Lay-Up Process



1. Fiberglass material is cut to size.



2. The outer surface of the enclosure is sprayed into the enclosure mold using a marine grade gelcoat.



3. Enclosures are molded in industrial gray inside and out, but are also available in other color options.



4. Individual layers of fiberglass are laid up and then wetted out with a fire retardant polyester resin.



5. A roller is used to push out entrapped air and compress the laminate before the next layer is added.



6. Each layer of fiberglass overlaps the corners to form a consistent thickness of three sixteenth of an inch.



7. Once the resin cures and hardens, the parts are removed from the mold.



8. The door is installed to the enclosure base using a heavy duty, continuous stainless steel hinge.

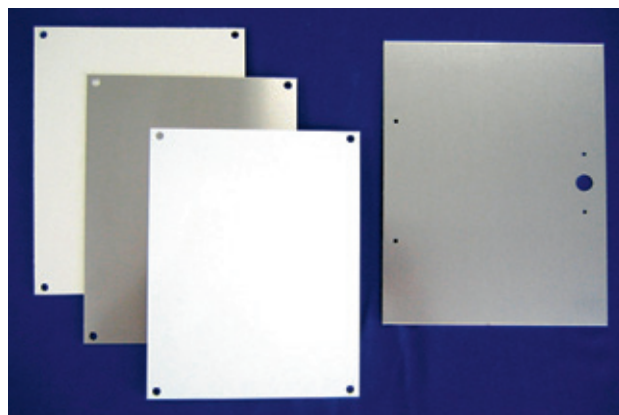


9. A highly flexible gasket is attached to the flange, creating a tight seal when compressed.



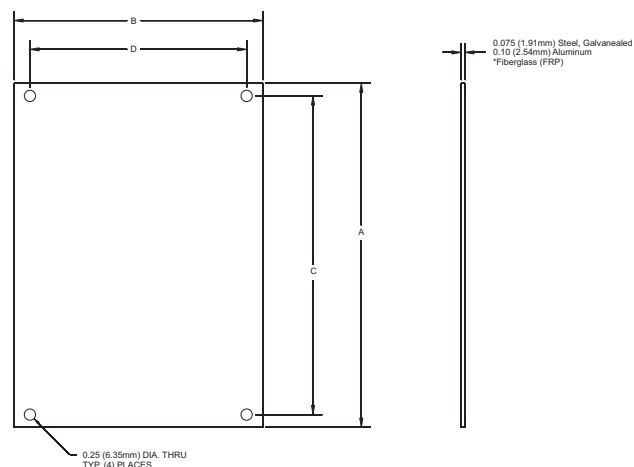
10. An opening is cut into a door for an optional gasketed window. Holes and cutouts can be provided to customer specifications.

AM / AMU / AM-R / Control Series:
Optional “P” Painted Carbon Steel,
“PA” Aluminum Back Panels
“PF” Fiberglass Back Panels
“PG” Galvannealed Back Panels



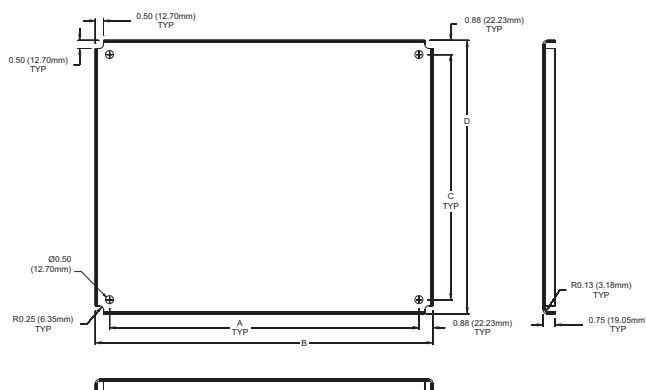
AM, AMU, AM-R SERIES

Steel	Alum	FRP	Galv	A	B	C	D
P66	PA66	PF66	PG66	4.81 122mm	4.81 122mm	4.25 108mm	4.25 108mm
P86	PA86	PF86	PG86	6.75 171mm	4.88 124mm	6.25 159mm	4.25 108mm
P108	PA108	PF108	PG108	8.75 222mm	6.88 175mm	8.25 210mm	6.25 159mm
P120	PA120	PF120	PG120	10.75 273mm	8.88 226mm	10.25 260mm	8.25 210mm
P142	PA142	PF142	PG142	12.75 324mm	10.88 276mm	12.25 311mm	10.25 260mm
P164	PA164	PF164	PG164	14.75 375mm	12.88 327mm	14.25 362mm	12.25 311mm
P186	PA186	PF186	PG186	16.88 429mm	14.88 378mm	16.25 413mm	14.25 362mm
P206	PA206	PF206	PG206	18.44 468mm	14.44 367mm	17.81 452mm	13.81 351mm



CONTROL SERIES

Steel	Alum	FRP	Galv	A	B	C	D
P2420	PA2420	PF2420	PG2420	19.25 489mm	21.00 533mm	15.25 387mm	17.00 432mm
P2424	PA2424	PF2424	PG2424	19.25 489mm	21.00 533mm	19.25 489mm	21.00 533mm
P3024	PA3024	PF3024	PG3024	25.25 641mm	27.00 686mm	19.25 489mm	21.00 533mm



Note: Fiberglass is just a flat panel, no rolled edge.

*FRP Thickness (.125) PF66, PF86, PF108; (.187) PF120, PF142, PF164; (.250) PF186, PF206, PF2420, PF2424, PF3024

AM-R Series: (Used with raised cover only) Aluminum Hinged Front Panels (HFP)

Features:

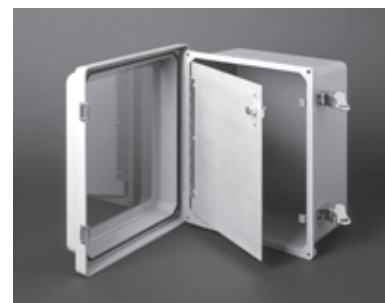
- Panels designed to offer both a professional instrumentation display and a protective covering for electric wiring inside the enclosure
- Completely field-installable panel design with no required enclosure modifications
- Latch design secures panel in place with one-quarter turn
- One-half-inch adjustability up or down
- For use with raised cover enclosures from 6" x 6" through 30" x 24"
- Panel modifications available include: cut-in holes, and screen printing
- Compliant with RoHS directive

AM-R JIC SERIES:

Part No.	Panel Dimension
HFP66	5.60 x 5.60 x .09 142mm x 142mm x 2mm
HFP86	7.50 x 5.62 x .09 191mm x 143mm x 2mm
HFP108	7.50 x 9.50 x .09 191mm x 241mm x 2mm
HFP120	9.50 x 11.50 x .09 241mm x 292mm x 2mm
HFP142	11.50 x 13.50 x .09 292mm x 343mm x 2mm
HFP164	13.00 x 15.13 x .09 330mm x 384mm x 2mm
HFP186	15.38 x 17.25 x .09 391mm x 438mm x 2mm
HFP206	14.94 x 18.88 x .09 379mm x 480mm x 2mm

AM-R CONTROL SERIES:

Part No.	Panel Dimension
HFP2420	19.38 x 23.25 x .09 492mm x 591mm x 2mm
HFP2424	23.38 x 23.25 x .09 594mm x 591mm x 2mm
HFP3024	23.38 x 29.25 x .09 594mm x 743mm x 2mm



AMU Series: Aluminum Hinged Front Panels (HFPU)

Features:

- Panels designed to offer both a professional instrumentation display and a protective covering for electric wiring inside the enclosure
- Completely field-installable panel design with no required enclosure modifications
- Latch design secures panel in place with one-quarter turn
- For use with raised cover enclosures from 6" x 6" through 20" x 16"
- Panel modifications available include: cut-in holes, and screen printing
- Compliant with RoHS directive

AMU JIC SERIES:

Part No.	Panel Dimension
HFPU66	5.87 x 5.64 x .09 149mm x 143mm x 2mm
HFPU86	7.73 x 5.91 x .09 196mm x 150mm x 2mm
HFPU108	7.87 x 9.64 x .09 200mm x 245mm x 2mm
HFPU120	9.86 x 11.64 x .09 250mm x 296mm x 2mm
HFPU142	11.86 x 13.64 x .09 301mm x 346mm x 2mm
HFPU164	13.86 x 15.64 x .09 352mm x 397mm x 2mm
HFPU186	15.99 x 17.90 x .09 406mm x 455mm x 2mm
HFPU206	15.55 x 19.65 x .09 395mm x 499mm x 2mm



Enclosure Accessories

ENCLOSURE PRINT POCKET

PART NO.: AMPRINTPOCKET

- Easy to install in the field
- Store prints or other important documents inside the enclosure
- Grey polystyrene print pocket for large JIC Series, Control Series, and Empire Series enclosures
- Two-sided adhesive tape pre-applied to print pocket
- Size: 9.375 in (H) x 10.375 in (W) x 1.045 in (D)
238 mm (H) x 264 mm (W) x 27 mm (D)



ENCLOSURE VENTILATION KIT

PART NO.: AMVENTSM & AMVENTLG

- Grey polyamide material
- Use with JIC Series enclosures - Install two per enclosure
- Installation instruction sheet included
- Seal included in kit to ensure raintight enclosure protection
- Two vents per kit for field installation allows for sufficient air circulation and prevents condensation and moisture

Overall Dimensions:

AMVENTSM; 1 in (25 mm) x 1.125 in (29 mm) and requires .75 in (19mm) through hole

AMVENTLG; 2 in (51 mm) x 2.675 in (68 mm) and requires 1.156 in (29 mm) through hole



EXHAUST FILTER KIT

PART NO.: AMPFA1000, AMPFA2000, and AMPFA3000

- Three sizes covering large JIC Series, Control Series, and Empire Series enclosures
- Non-metallic made from strong ABS-FR, self-extinguishing material (UL 94 V0)
- Snap-in design allows for hardware-free installation
- Gaskets included provide a NEMA 12 seal against the enclosure
- Filter cover comes standard in light grey RAL 7035 color
- Installation instruction sheet included
- Replaceable filter material provides for 73% filtration efficiency
- Filter density is standard 150 (g/m2)
- See back page for more ordering information



Enclosure Accessories

EXHAUST FILTER KIT CONT.

PART NO.: **AMPFA1000, AMPFA2000, and AMPFA3000**

Size Information:

- AMPFA1000; 4.133in (105mm) x 4.133in (105mm) x 0.39in (10mm)
- AMPFA2000; 5.905in (150mm) x 5.905in (150mm) x 1.06in (27mm)
- AMPFA3000; 9.842in (250mm) x 9.842in (250mm) x 1.18in (30mm)

Note: There are other thermal management accessories available upon request. These include: Fans, replacement filters, heaters, air-conditioners, and thermostats. Please contact factory for more information.



ENCLOSURE KEYLOCK KITS

PART NO.: **AMKEYLOCKFC, AMKEYLOCKRC, and AMKEYLOCKRCHFP**

- AMKEYLOCKFC keylock assembly kit for (F)flat (C)cover enclosures 6x6 through 20x16 (AM Series)
- AMKEYLOCKRC keylock assembly kit for (R)raised (C)cover enclosures 6x6 through 30x24 (AM-R Series)
- AMKEYLOCKRCHFP keylock assembly kit for (R)raised (C)cover enclosures with a (H)hinge (F)front (P)panel installed in enclosures 10x8 through 30x24 (AM-R Series)
- Kits include: Two keys, keylock assembly, cam, dust cover, lock bracket, and hardware
- Field installable while requiring only a round hole to be cut into the cover
- Keylocks are sold with a self locking nut for tight and secure assembly
- Just a 1/4 turn rotation is required to lock the enclosure cover
- Installed keylock assemblies have been tested and pass the NEMA 4X watertight test
- Manufactured components are RoHS compliant (Restriction of Hazardous Substances)



Order Today: 419-636-4217, Fax: 419-636-2450, e-mail: sales@alliedmoulded.com



Custom Modifications

Your source for fast, no-hassle modifications.

With Allied Moulded's complete modification services, the need for inconvenient secondary handling of your enclosure is eliminated, saving you time and money.

We are pleased to customize any of our standard products with the following modifications:

- Holes and cutouts
- Polycarbonate viewing windows
- EMI/RFI shielding
- Factory supplied silk screening
- Molded in color matches

Industry's lowest volume requirements.

Because we are dedicated to providing you with outstanding service, we have the lowest volume requirements on custom work in the industry and guarantee quick delivery, often in less than three weeks from receipt of your order.

Computer-controlled CNC

We incorporate computer controlled manufacturing equipment into our operation which assures that modifications such as specialty holes and cutouts are exact to your specifications each time you order.



Custom holes and cutouts

Custom holes and cutouts allow for conduit entry or device mounting to meet the needs of any application.



EMI/RFI shielding

EMI/RFI shielding provides high-level protection against electromagnetic and radio frequency interference.



Silk Screen printing

Silk screen printing is a practical, professional way to identify corporate identity or enclosure function.



Custom colors

Custom color pigments result in a homogeneously molded product.

Custom panels

Available custom metal work includes holes and cutouts on either back and hinged deadfront panels.



SPECIALS/MODIFICATION REQUEST FORM

*For modification orders, please photocopy and complete this form,
then return to Allied Moulded via mail or fax to 419-636-2450.*

Date: _____ Part Number: _____ Quantity: _____

Name: _____ Company: _____

Address: _____

City: _____ State: _____ Zip: _____

Email: _____ Phone: _____

Size

H _____ x W _____ x D _____

Cover

☐ Flush ☐ Raised ☐ Screw cover ☐ Hinged cover ☐ Hinged on short side

Latching Options

☐ Snap latch ☐ Twist latch ☐ 3-point

Panels

Back panel required: ☐ Yes ☐ No Size: H _____ x W _____
Back panel material: ☐ Carbon steel ☐ Aluminum ☐ Fiberglass ☐ Galvannealed

Windows

Window required: ☐ Yes ☐ No Size: H _____ x W _____
General location of window: _____

Molded-In Color

☐ Standard Grey ☐ White (AM-1000) ☐ Orange (AM-5000)
☐ Blue (AM-8000) ☐ Black (AM-3000) ☐ Red (AM-4000)
☐ Yellow (AM-6000) ☐ Green (AM-7000)
Other (please specify): _____

Other Modifications

☐ Holes/Cutouts _____ Number; Location: _____
☐ Silk Screening
☐ EMI/RFI Shielding

Additional Information/Notes

Submit request to: Allied Moulded Products, Inc. Fax to: 419-636-2450
For assistance or questions, call Allied Moulded at 419-636-4217. www.alliedmoulded.com

NOTES:

TECHNICAL SPECIFICATIONS

An enclosure is a housing constructed to provide a degree of protection from accidental contact with the enclosed equipment and external environmental conditions.

NEMA Type 4X fiberglass enclosures

- All fiberglass enclosures are listed under UL standard 508, (CSA standard 22.2 No. 14-M91). This type of enclosure is suitable for both indoor and outdoor use in corrosive environments and is resistant to UV degradation. Fiberglass material shall meet UL 746C requirements with halogen-free and self-extinguishing characteristics.
- Enclosure is constructed using a hot compression-molded process and a fiberglass reinforced polyester resin compound with a minimum of 20% fiberglass by weight. A cold molded procedure may be used for larger cabinets.
- Fiberglass reinforced polyester exhibits high impact resistance, a superior range of temperature limits, excellent dimensional stability, excellent electrical properties, and excellent moisture and overall chemical resistance.
- Standardizing enclosure performance is accomplished by use of rating systems of various specifying organizations (NEMA, UL, CSA) identifying an enclosure's ability to resist external environmental influences. These ratings have distinct differences even though they are intended to provide information in order to make a safer and informed product choice.
- Any external metal parts shall be 304 stainless steel. Any internal metal parts shall be manufactured using corrosion resistant materials.
- NEMA Type 4X enclosures are fabricated and rated specifically for resistance to corrosive elements.
- Fiberglass Reinforced Polyester is the material of choice in applications where physical strength specifications are average and excellent corrosion resistance is required.
- Advantages of non-metallic enclosures:
 - (1) Unlike metals, fiberglass reinforced polyester is non-corrosive.
 - (2) Enclosures are homogeneous, thus they require little maintenance.
 - (3) Due to their light weight, non-metallic enclosures can be very easily handled, installed and modified.

Chemical Resistance Table

- See chart below for ratings for specific reagents.
- In most applications, fiberglass reinforced polyester offers the best all around performance in corrosive environments.
- These environmental resistance ratings are based upon tests where the specimens were placed in complete submergence in the reagent listed. If there are any questions for specific suitability in a given environment, prototype samples should be tested under actual conditions.
- The prospective user must determine the application of our product in an environment based upon individual characteristics. We offer no guarantee or warranty as to the applicability of this chart for any particular situation as actual conditions of use are beyond our control. In many applications, several corrosive agents are present and reactions among them are not always documented. Any environment can be rather unique necessitating the identification of all possible corrosive elements that may affect the intended enclosure application.

Chemical Resistance Ratings

SALTS

Ammonium sulfate	A
Potassium ammonia sulfate	A
Ammonium bichromate 20%	B
Ammonium carbonate 10%	B
Ammonium chloride	A
Ammonium nitrate	B
Ammonium sulfate 10%	A
Ammonium acetate	C
Aniline sulfate	A
Carbonate of barium.	C
Chloride of barium	A
Calcium chloride, saturated sol.	A
Calcium hypochlorite	B
Calcium sulfate	A
Copper (II) chloride	A
Copper (III) sulfate	A
Iron (III) chloride	A
Iron (III) nitrate	A
Iron (III) sulfate	A
Iron (II) chloride	A
Iron (II) sulfate	A
Magnesium chloride.	A
Magnesium sulfate.	A
Mercuric (II) chloride.	A
Nickel chloride	A
Nickel nitrate	A

Nickel sulfate	A
Potassium carbonate	B
Potassium chloride	A
Potassium nitrate	A
Potassium sulfate	A
Nitrate of silver	A
Sodium acetate	A
Sodium bicarbonate 10%	A
Sodium carbonate 10%	B
Sodium chloride	A
Sodium hypochlorite 5%	B
Sodium nitrate	A
Zinc chloride	A
Sulfate of zinc	A

ACIDS

Acetic acid	A
Benzoic acid	A
Boric acid	A
Chromic acid 30%	C
Citric acid	A
Formic acid 25%	B
Hydrochloric acid 10%	A
Conc. hydrochloric acid	B
Lactic acid 1%	A
Nitric acid 5%	B
Nitric acid 50%	C
Concentrated nitric acid	C
Phosphoric acid 25%	B
Phosphoric acid 50%	C
Sulfuric acid 25%	A
Sulfuric acid 50%	C
Tartaric acid	A
Oxalic acid, saturated solution	A

BASES

Ammonia 5%	B
Ammonia 25%	B
Barium hydroxide 10%	C
Calcium hydroxide	C
Hydroxide of sodium 5%	B
Hydroxide of sodium 20%	C

OILS AND GREASES

Fatty acids	A
Oleic acid	A
Stearic acid	A
Lubricating oil	A

ORGANIC SOLVENTS

Acetone	C
Amyl alcohol	B
Methanol	B
Ethyl alcohol	B
Benzene	B
Butyl acetate	C
Carbon bisulfide	C
Gasoline	A
Petroleum	A
Naphtha	A
Perchloroethylene	B
Toluol	B
Ethyl acetate	B
Dichlorethylene	B
Ether	B

OTHER AGENTS

Ethylene glycol solution of 0 to 100%	A
Glycerine	A
Chlordioxide (bleaching agent)	C
Saturated chlorinated water	A
Formaldehyde 10 to 40%	A
Hydrogen peroxide 5 to 10%	A
Normal water	A
Distilled water	A
Sea-water	A
Phenol	B

LIST OF CONVENTIONAL SYMBOLS

A = EXCELLENT
B = LIMITED
C = POOR

TECHNICAL SPECIFICATIONS

Specification for Allied Moulded enclosures

Fiberglass enclosures will be UL listed to UL standard 508, CSA standard 22.2 No. 14-M91. The resin system will be pigmented gray, unless otherwise approved. The resin system will include a flame retardant agent in order to achieve a flammability rating in accordance with UL 94. The enclosure must be hot compression molded from FRP material containing at least 20% fiberglass by weight. Cold molded hand lay up may also be used. The enclosure body will be a one-piece construction and not contain any glued parts.

Junction and Control enclosures may have either screw, hinged or latched covers. All cover screws and hardware;

including hinges, latches and mounting feet are constructed of 304 stainless steel material. All internal metal parts are fabricated using corrosion resistant materials. All gaskets are seated in a molded channel and not glued or poured onto a flat cover surface.

Cabinets and larger style enclosures are always provided with hinged doors. The closure systems on these cabinets will either be a three point latching system or a system of external stainless steel twist-turn type latches. Door closure systems using a single external handle will also have three internal latch points. This handle may be key lockable or pad lockable. When using the alternative closure method of external stainless steel twist turn latches, no more than four latches shall be required to maintain NEMA 4X integrity. At least one latch must have a padlock provision.

Physical Properties of non-metallic enclosures			
<i>Materials Typical Properties</i>	<i>Test Method ASTM</i>	<i>Polyester Fiberglass Compression Molded</i>	<i>Polyester Fiberglass Hand Lay-up</i>
Mechanical:			
Flexural Strength (PSI)	D 790	13,000-15,000	33,000
Tensile Strength (PSI)	D 638	5,000-6,000	22,000
Tensile Elongation (%)	--	0.5	2.07
Compressive Strength (PSI)	D 695	14,000-16,000	30,000
Impact Strength IZOD Notched (ft lb/in)	D 256	4-7	--
Physical			
Specific Gravity Molded	D 792	1.95	1.65
Barcol Hardness	--	40	60-65
Water Absorption (%change in wt. 24/168 hr)	D 570	.11/.25	.025
Electrical			
Arc Resistance (sec)	D 495	180+	--
High Voltage Arc Resistance (120 sec)	--	No ignition	--
Dielectric Strength (volt/mil)	D 149	397/310	--
Volume Resistivity (ohm/cm)	D 257	8.62 x 10 ¹⁴	--
Thermal			
Service Temperature Range (°F)	--	-40 to 266°	-31 to 266°
Heat Distortion (temp. C degrees, 264 psi load)	D 648	431 F/222 C	428 F/220 C
Flame Resistance	D 635	94V-0	94V-0

EMI/RFI Specifications

- Standards governing electromagnetic compatibility commonly refer to EMI/RFI, or electromagnetic interference/radio frequency interference.
- Applicable standards used are based on MIL-STD-285 to perform attenuation measurements of EMI/RFI shielded enclosures. The applicable North American standards for the overall assembly, including internal electronics, can vary with the application in which the product is intended to be installed.
- For a complete list of applicable standards, your local testing authority (for example, UL, CSA) should be contacted.
- Such interference is caused by stray voltages and/or currents coupling between electronic systems creating undesirable effects. These undesirable effects can vary between a brief annoyance, to more serious situations, such as a phone interfering with the controls of a machine tool. With the increased emphasis on electronic technology, electromagnetic interference/radio frequency interference is a growing concern.
- Electromagnetic pulses (EMPS) may adversely affect electronic and other control systems. These disturbances may cause erratic operation, and either component failure or a reduction in component life.
- Allied Moulded can provide custom EMI/RFI shielded enclosures to meet many applications. Requests for EMI/RFI shielded enclosures should be directed to the Allied Moulded customer support group.
- Refer to AM specification sheet.

Properties

Shielding Material Silver Plated Copper
 Binder. Acrylic
 Sheet resistance <0.120 ohms/square/mil
 Attenuation 75 dB

Sheet Resistance < 2 1/2 Ohms/Square/mil 1-1.5 Mil Thick

The probes of an ohmmeter shall be placed on any area of the surface and the measured resistance shall not exceed 0.120 ohms.

Attenuation 75 dB

A measure of the shielding effectiveness shall be confirmed by an EMI/RFI test. Actual test data confirmed an average attenuation of 75 dB over the frequency range from .01 to 1000 Mhz.

MIL.SPEC>285

MIL.SPEC>285 is used as a general EMI/RFI test guide. A transmitting antenna is placed inside the enclosure and a receiving antenna is positioned outside. The attenuation is the dB difference between the enclosure OPEN and CLOSE FR power levels.

Weathering/UV Information

Allied Moulded Products' FRP enclosures are hot compression molded. All products of this type, regardless of manufacturer, are exposed to erosion when used outdoors. Due to the combined effects of environmental elements such as rain, wind and UV rays, the polyester matrix is only superficially eroded and as glass fibers become apparent, the degree of the erosion is microscopic. Please note that this superficial erosion has no effect on the physical characteristics of the enclosure whether electrical, mechanical or chemical. The slight erosion can be avoided if a surface coating such as varnish is applied.

Allied Moulded Products' fiberglass enclosures have been successfully used outdoors and tests on field samples support above results.

Painting Information

Good surface preparation is critical in painting fiberglass enclosures, since the mold release agents must be removed before painting. It is recommend that the surface be roughed by lightly rubbing with sandpaper before applying the proper primer. Degreasing the surface with an organic solvent such as alcohol or other domestic cleaning agent is required. The surface must be clean and dry prior to applying the appropriate primer and top coat (polyurethane or epoxy).

Allied Moulded has the capabilities to custom mold color matches specific to your requirements.

Heat Dissipation

Information available upon request.

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AM363616L	95	AMPFA1000	"104,105"	AMU1426	15
AM3PB	43	AMPFA2000	"104,105"	AMU1426CC	19
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AM483612L	95	AMPRINTPOCKET	104	AMU1426CCH	25
AM483616L	95	AMU1084	15	AMU1426CCHF	25
AM603612L	95	AMU1084CC	19	AMU1426CCL	31
AM603616L	95	AMU1084CCF	19	AMU1426CCLF	31
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AM664HP4	47	AMU1084CCL	31	AMU1426F	15
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AM664RHW	73	AMU1084HW	23	AMU1426LW	29
AM664RL	75	AMU1084HWF	23	AMU1426LWF	29
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AM743SF	41	AMU1206	15	AMU1648CCHF	25
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AM864H	53	AMU1206CCF	19	AMU1648CCLF	31
AM864HP6	47	AMU1206CCH	25	AMU1648CCT	37
AM864HW	55	AMU1206CCHF	25	AMU1648CCTF	37
AM864L	57	AMU1206CCL	31	AMU1648F	15
AM864LW	59	AMU1206CCLF	31	AMU1648H	21
AM864P6	45	AMU1206CCT	37	AMU1648HF	21
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AM864RHW	73	AMU1206H	21	AMU1648L	27
AM864RL	75	AMU1206HF	21	AMU1648LF	27
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