ALLIED MOULDED PRODUCTS, Inc.

YOUR TRUSTED SOURCE

NONMETALLIC ENCLOSURES & ACCESSORIES

ALLIED MOULDED PRODUCTS, Inc.

YOUR TRUSTED SOURCE
NONMETALLIC ENCLOSURES & ACCESSORIES

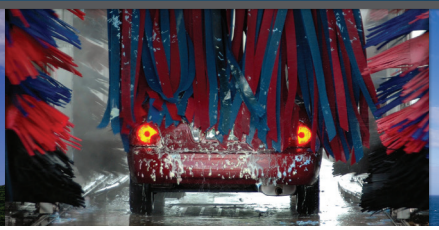
Stocked Color Program

Molded-In Color Match Fiberglass Enclosures Program

AM & AM-R Series

Allied Moulded's Stocked Color Program makes AM & AM-R series enclosures available in four standard colors – Blue, Red, White, and Yellow – at a reduced lead time and with no minimum order quantities. Allied Moulded stocks WIP inventory of boxes and covers for the AM and AM-R enclosures sizes 8" x 6" up through 14" x 12" in the four standard colors. Additionally, white WIP inventory is stocked for sizes 6" x 6", 16" x 14", and 18" x 16".

Allied Moulded is committed to stocking quantities of sizes and colors to meet low volume requirements of customers. There is no more color matching type lead times for material procurement, so you can expect turn around to be within 5-10 working days! Allow an extra 4 weeks for window units.



Program Details

- The cost of colored enclosure products can be figured by adding (15%) to the normal purchase price of the standard gray enclosure.
- Enclosure part numbers will be released by using the standard AM or AM-R part number and adding the appropriate suffix:
  - Blue (-BL)
  - Red (-RD)
  - White (-WH)
  - Yellow (-YL)
  - Example: AM864L-RD

Base Part Numbers

Following are the base part numbers available in the stocked color program:

- AM664 / AM664R* (white only)
- AM864 / AM864R
- AM1084 / AM1084R
- AM1086 / AM1086R
- AM1206 / AM1206R
- AM1224 / AM1224R
- AM1226 / AM1226R
- AM1426 / AM1426R
- AM1648 / AM1648R* (white only)
- AM1868 / AM1868R* (white only)

**White only (not stocked in the other colors)*

Additional Options

- Most FRP enclosures can be molded in the stocked color program colors, with mininum quantity requirements. See the back page for ordering information on additional sizes.
- Allied Moulded can color match to any pantone color swatch. Contact Customer Service to get more details about the molded-in color match program.

ALLIED MOULDED PRODUCTS, Inc.

222 N. Union Street
Bryan, OH 43506

P: 1-800-722-2679
F: 1-800-237-7269

sales@alliedmoulded.com
www.alliedmoulded.com

TABLE OF **CONTENTS**

Industry Standards	2
Conformance to Industry Standards	2
International Standards	3
ULTRAGUARD® Material Formulation	4
The Fiberglass Advantage	6
Material Performance Comparison	7
AM Series Fiberglass Enclosures	
Features & Benefits	8
Small Junction Boxes	10
Pushbutton Enclosures	12
JIC Size Flat Cover Junction Boxes	14
AM-R Series Fiberglass Enclosures	
Features & Benefits	34
JIC Size Raised Cover Junction Boxes	36
AMHD-R Heavy Duty Solar Battery Box	
AMHD1860RLF	52
Control Series Fiberglass Enclosures	
Features & Benefits	54
Product Options	56
Control XL	64
Empire Series Fiberglass Enclosures	
Features & Benefits	66
Wall Mount	68
AMEC (Compression Molded	72
Freestanding Units	74
ULTRALINE® AMU Series Fiberglass Enclosures	
Features & Benefits	78
JIC Size Junction Boxes	80
POLYLINE® AMP Series Polycarbonate Enclosures	
Features & Benefits	110
JIC Size Junction Boxes	112
Accessories	
Back Panels	128
Hinged Front Panels	129
Inspection Windows	132
HMI Cover Kits	134
ULTRAPLUG® Hole Plugs	136
Pole Mount Kits	137
Keylock Kits	138
Pull-Type Handle	138
Print Pocket	139
Enclosure Vent Kits	139
Exhaust Filter Kits	139
Cord Grips	140
Accessory Kits (latches & mounting hardware)	141
Modifications | Specialty Products	
Modifications Overview	142
Modifications Request Form	144
Choosing the Right Enclosure	145
Technical Specifications	146
Resources	149
Index | Part Search	
Index	150

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.

ENCLOSURE RATINGS	
Enclosure Rating	
NEMA Type 1	Indoor use to provide a degree of protection against falling dirt.
NEMA Type 2	Indoor use to provide a degree of protection against limited amounts of falling water and dirt.
NEMA Type 3	Indoor or outdoor use to provide a degree of protection against falling dirt, rain, sleet, snow and windblown dust; and that will be undamaged by the external formation of ice on the enclosure.
NEMA Type 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 Type 4	Indoor or outdoor use to provide a degree of protection against falling dirt, rain, sleet, snow, windblown dust, splashing water, hose-directed water; and that will be undamaged by the external formation of ice on the enclosure.
NEMA Type 4X	Indoor or outdoor use to provide a degree of protection against falling dirt, rain, sleet, snow, windblown dust, splashing water, hose-directed water and corrosion; and that will be undamaged by the external formation of ice on the enclosure.
NEMA Type 6P	Indoor or outdoor use primarily to provide a degree of protection against the entry of water during occasional temporary submersion at a limited depth.
NEMA Type 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 Type 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.

Conformance To Industry Standards

Industrial enclosures manufactured by Allied Moulded Products and bearing the UL and CSA labels have been tested and certified to the following standards:

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

Allied Moulded Products enclosures series AMU, AM, AMP and AM-R maximum size 30 x 24 x 10 are certified:

- UL Types 1, 2, 3, 3R, 4, 4X, 12, and 13
- CSA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13

AMP, AM and AM-R JIC flat and raised cover models sizes 14" x 12" x 6" and smaller (excluding AM743 and AM943) and all AMU models utilizing covers secured with four mounting screws (excluding window covers) are UL and CSA listed Type 6P.

Allied Moulded Products enclosures series AM sizes 36 x 30 x 12 and larger are certified:

- UL Types 1, 4, and 4X
- CSA Types 1, 4, and 4X
- NEMA Types 1, 4, and 4X

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

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

SECOND DIGIT	
IP	Test
0	No protection
1	Protection against vertical water drops and condensation
2	Protection against water drops up to 15° from the vertical
3	Protection against rain up to 80° from the vertical
4	Protected against water splashing from a hose from all directions
5	Protected against water sprayed from a hose in all directions
6	Protected against powerful water jets
7	Protected against the effects of immersion
8	Protected against the effects of prolonged immersion under pressure

General Enclosure Specifying Guidelines

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

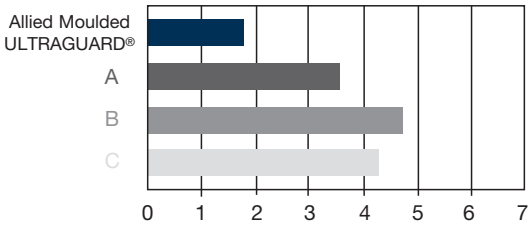
Note: Those categories containing rating numbers are based on 1 as low and 5 as high.

ULTRAGUARD® is Allied Moulded's proprietary fiberglass reinforced polyester (FRP) material formulation. Our **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 Moulded's ULTRAGUARD formulation outperformed materials used by three leading fiberglass enclosure manufacturers. The following four key areas were benchmarked, with ULTRAGUARD easily coming out on top:

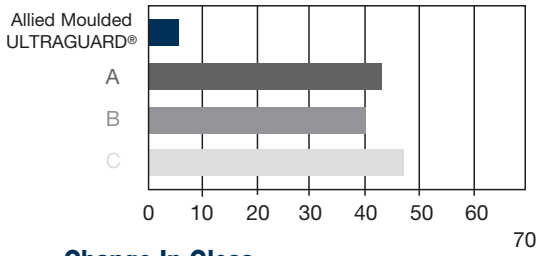
Yellowing



Yellowing

- Delta b change from original
- 48-60% improvement over leading competitive enclosure manufacturers

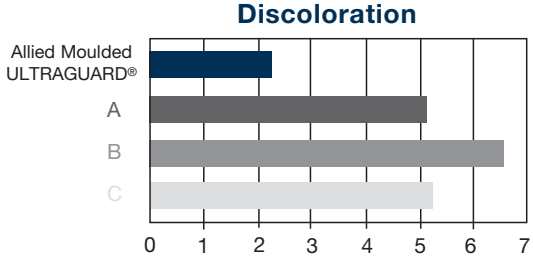
Change in Gloss



Change In Gloss

- Percent (%) change from original
- 76-80% improvement over leading competitive enclosure manufacturers

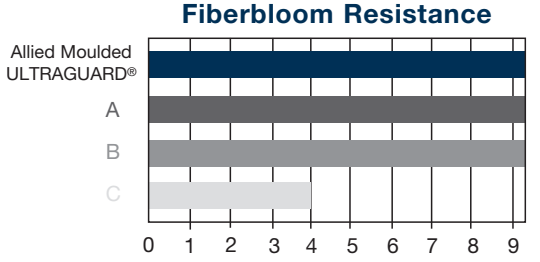
Discoloration



Discoloration

- Delta E change from original
- 56-68% improvement over leading competitive enclosure manufacturers

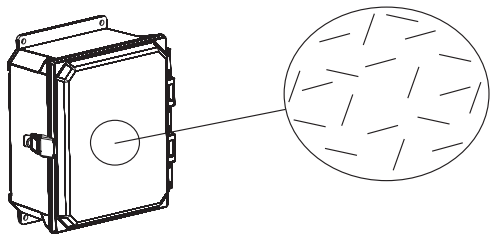
Fiberbloom Resistance



Fiberbloom resistance

- Change in aesthetics and texture
- 60% improvement over one competitor
- Equivalent results compared to two remaining competitors

ULTRAGUARD®
Fiberglass Material • Superior Protection • From Allied Moulded Products

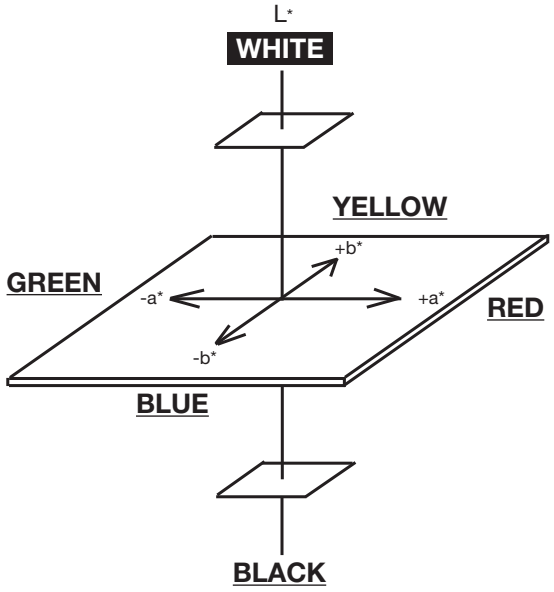


ULTRAGUARD® - How It Benefits Customers

Allied Moulded's ULTRAGUARD formulation, while retaining its already robust structural integrity, 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 nonmetallic enclosure designs. This is why Allied Moulded chooses 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 a safety 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. Our team successfully met the challenge of maintaining standard material characteristics: UL 94 5VA flame test standards and RoHS directive (Restriction of Hazardous Substances). The formulation does not contain antimony or halogens, which reduce the risk of smoke borne toxicity. Allied Moulded'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, third-party, independent lab testing (by 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 and ISO standards.



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

ULTRAGUARD® - Versus Steel Enclosures

There are many factors to consider when choosing an enclosure. Nonmetallic enclosures have proven to be a great alternative to steel enclosures in harsh environment applications. Properties that make the ULTRAGUARD FRP enclosures a prominent solution include their light weight, non-corrosive nature, ease of modification, resistance to dents, and inherent protection of seal integrity.

ULTRAGUARD®
Fiberglass Material • Superior Protection • From Allied Moulded Products

Scan to learn more

RoHS COMPLIANT

THE FIBERGLASS ADVANTAGE

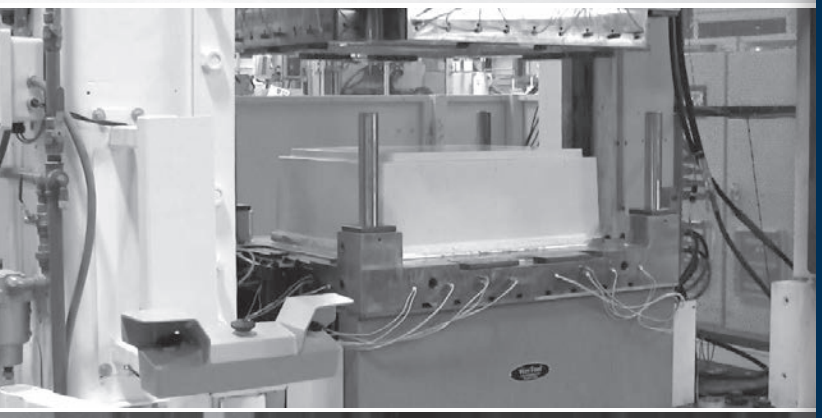
FIBERGLASS REINFORCED POLYESTER (FRP)

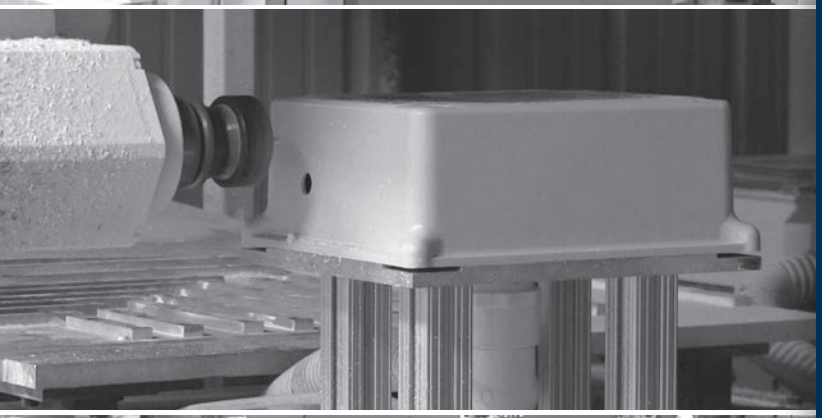
The Superior Enclosure Material

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

Beyond Meeting Standards to Exceeding Expectations

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





OUTPERFORMING THE

ALTERNATIVES

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

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

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

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

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

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

Performance Comparison of Enclosure Materials

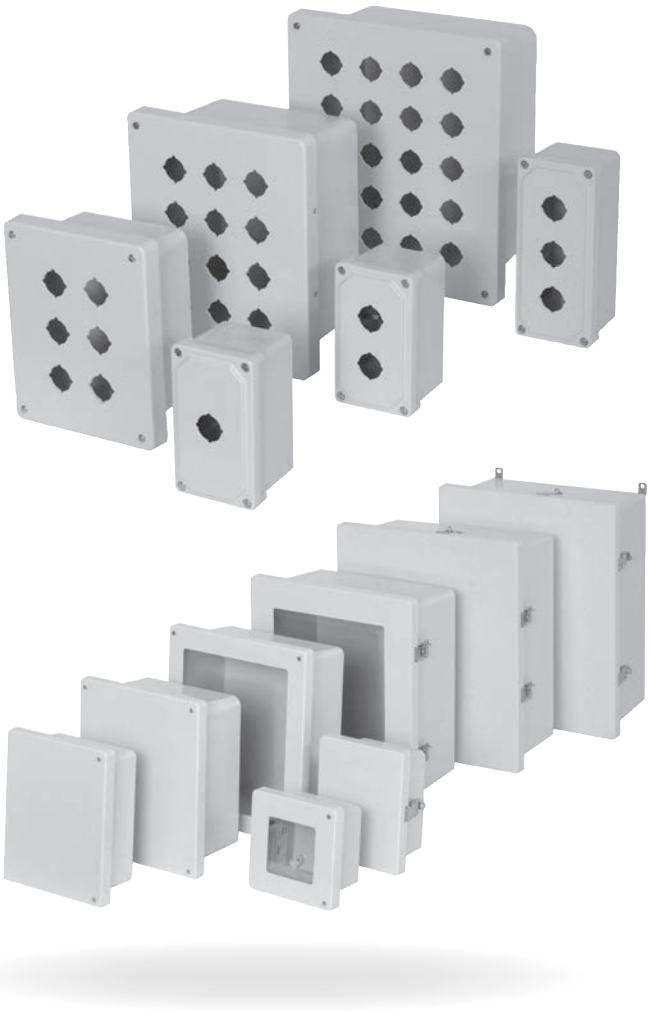
	Fiberglass	Stainless Steel	Carbon Steel	PVC	Polycarbonate
Corrosive Resistance	Excellent	Excellent	Poor	Excellent	Fair
Chemical Resistance	Excellent	Excellent	Poor	Very Good	Good
Relative Cost	Low	High	Low to Moderate	Low	Low to Moderate
Drilling, Punching & Cutting	Very Easy	Extremely Hard	Hard	Very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

AM SERIES

FIBERGLASS

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

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



Scan to learn more

AM Series Features & Benefits

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

AM Series Specifications

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

Accessories

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

Modifications

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

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

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

www.alliedmoulded.com

AM Series

SMALL JUNCTION BOXES

Cover Type

Solid/Opaque

Closure Type

Lift-Off Screw Cover

Application

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

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

Standards

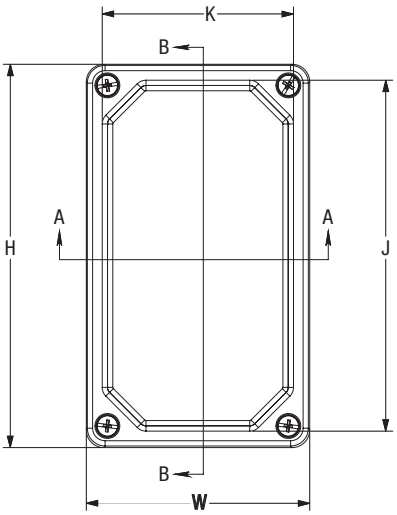
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

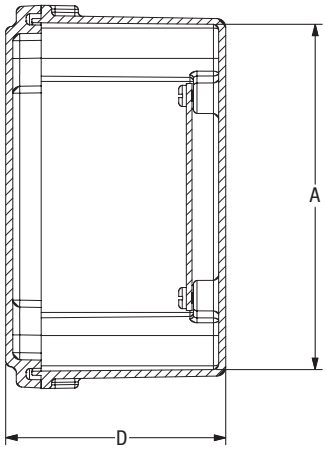
Construction

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

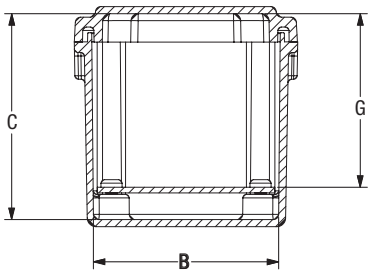
Accessories & Modifications

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

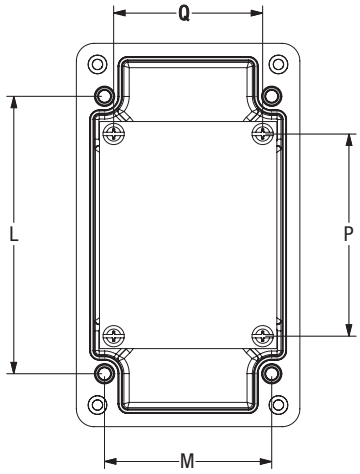




SECTION B-B



SECTION A-A



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

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

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

All dimensions are in inches unless otherwise noted

Data subject to change without notice

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

Additional back panels found on page 128

AM Series

PUSHBUTTON ENCLOSURES

Cover Type

Solid/Opaque

Closure Type

Inline Lift-Off Screw Cover

Application

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

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

Standards

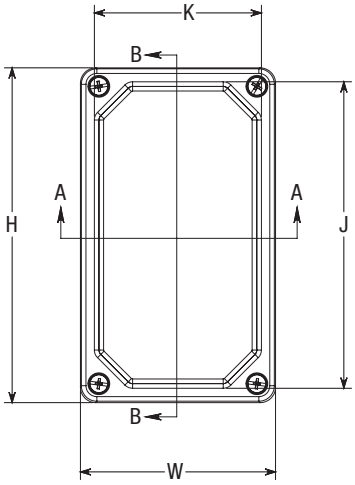
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

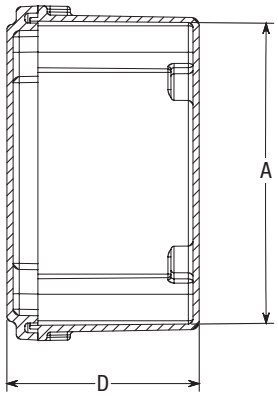
Construction

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

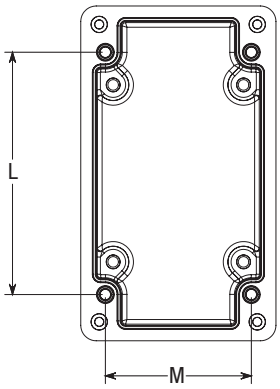
Accessories & Modifications

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

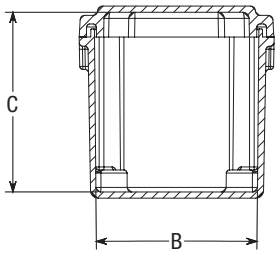




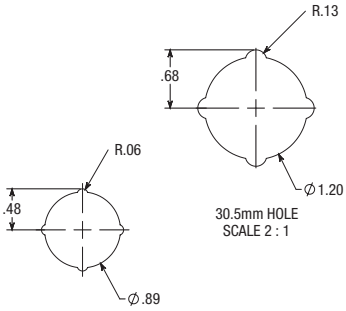
SECTION B-B



TOP VIEW WITH
COVER REMOVED

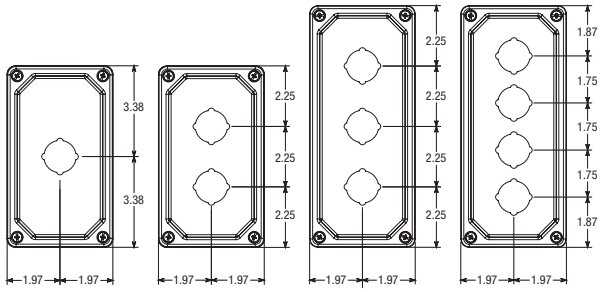


SECTION A-A



30.5mm HOLE
SCALE 2 : 1

22.5mm HOLE
SCALE 2:1



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

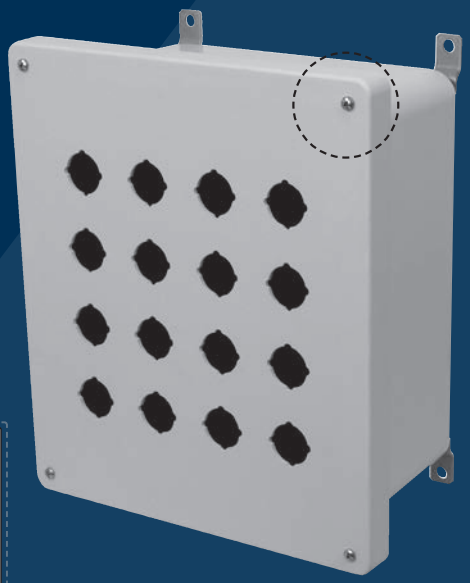
Part No.	Overall			Inside								
	H	W	D	A	B	C	J	K	L	M	Holes	PB Size
AM1PB	6.74	3.95	3.88	6.01	3.26	3.63	6.13	3.31	4.89	2.95	1	30.5mm
	171mm	100mm	98mm	153mm	83mm	92mm	156mm	84mm	124mm	75mm	1	
AM1PB22	6.74	3.95	3.88	6.01	3.26	3.63	6.13	3.31	4.89	2.95	1	22.5mm
	171mm	100mm	98mm	153mm	83mm	92mm	156mm	84mm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

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

Data subject to change without notice

AM Series

PUSHBUTTON ENCLOSURES



Cover Type

Flat Solid/Opaque

Closure Type

Multi-Hole Lift-Off Screw Cover

Application

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

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

Standards

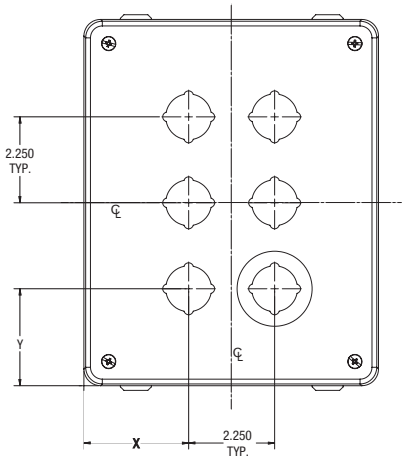
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

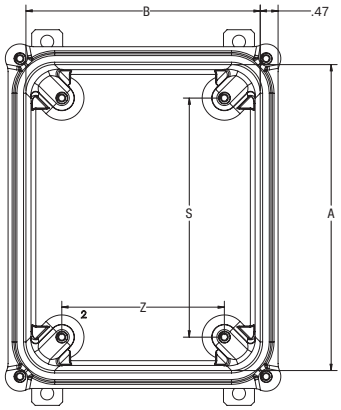
Construction

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

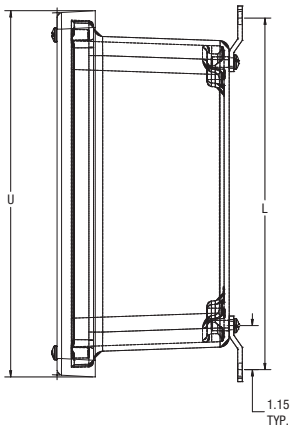
Accessories & Modifications

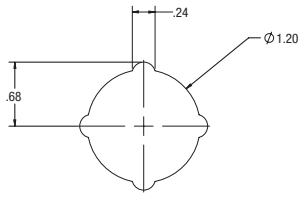
- Optional back panels
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening
- Optional 22.5mm holes (add "22" suffix to part number)



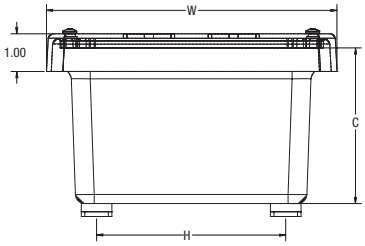


NOTE: COVER REMOVED FOR CLARITY



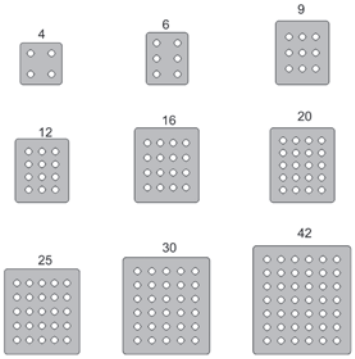


30.5 MM HOLE DETAIL
STANDARD 4-WAY
(OPTIONAL 22.5MM HOLES AVAILABLE)



NOMINAL 1/8" WALL THICKNESS

Pushbutton Arrangements



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

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

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

Data subject to change without notice

AM Series

PUSHBUTTON ENCLOSURES

Cover Type

Flat Solid/Opaque

Closure Type

Multi-Hole Hinged Screw Cover

Application

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

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

Standards

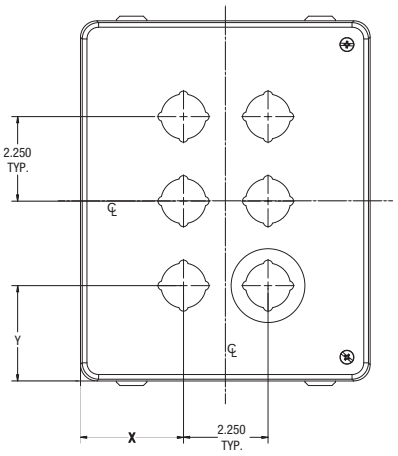
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

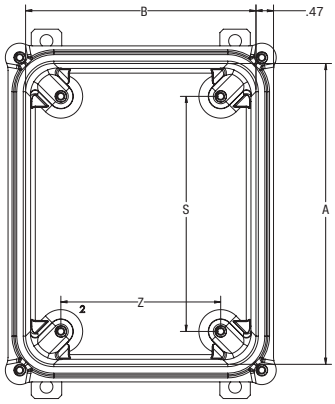
Construction

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

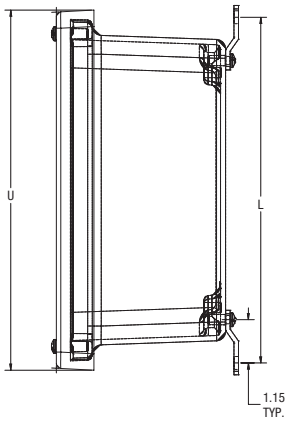
Accessories & Modifications

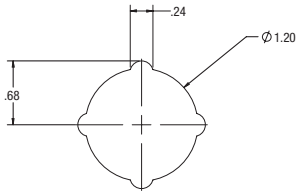
- Optional back panels
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening
- Optional 22.5mm holes (add "22" suffix to part number)



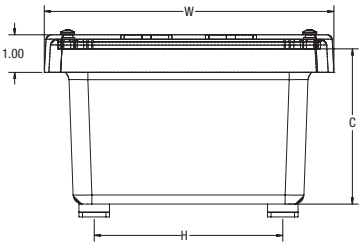


NOTE: COVER REMOVED FOR CLARITY



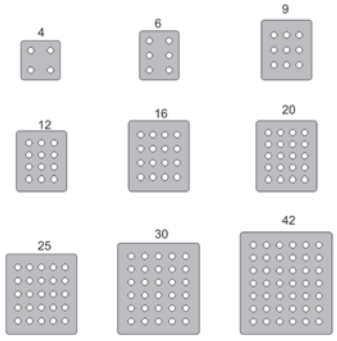


30.5 MM HOLE DETAIL
STANDARD 4-WAY
(OPTIONAL 22.5MM HOLES AVAILABLE)



NOMINAL 1/8" WALL THICKNESS

Pushbutton Arrangements



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

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

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

Data subject to change without notice

AM Series

JIC SIZE JUNCTION BOXES

Cover Type

Flat Solid/Opaque

Closure Type

Lift-Off Screw Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

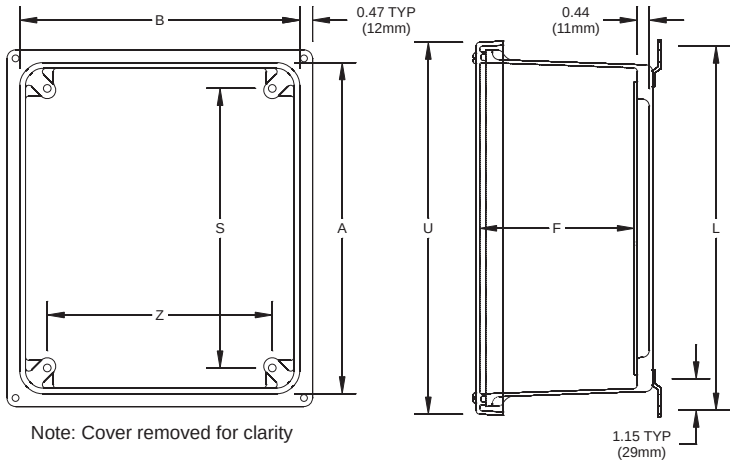
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6"x6" up through 14"x12"), 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6"x6" up through 14"x12"), 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6"x6" up through 14"x12"), 12 and 13
  - IEC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

Construction

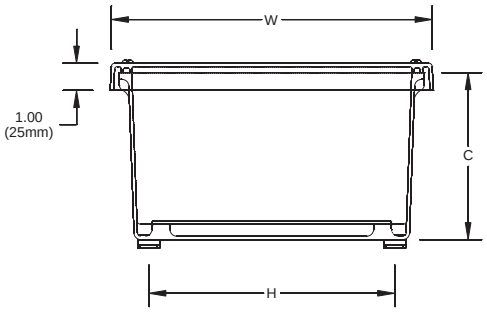
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching flat cover
- 316 stainless steel captive cover screws
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting feet with 10-32 stainless steel screws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

Accessories & Modifications

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



Note: Cover removed for clarity



Nominal 1/8" (3mm) wall thickness

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

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

Data subject to change without notice

AM Series

JIC SIZE JUNCTION BOXES

Cover Type

Flat Viewing Window

Closure Type

Lift-Off Screw Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

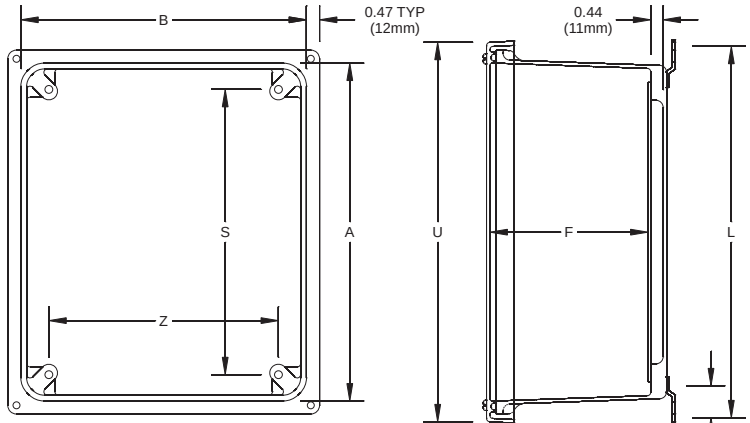
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

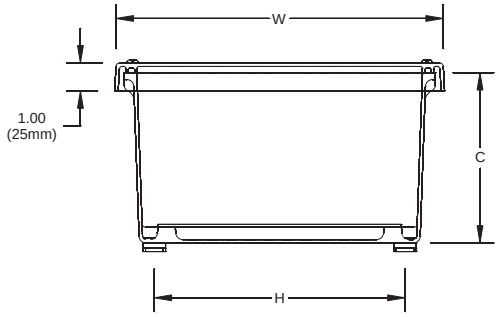
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching flat cover
- UV resistant polycarbonate viewing window
- 316 stainless steel captive cover screws
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall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

Accessories & Modifications

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



Note: Cover removed for clarity



Nominal 1/8" (3mm) wall thickness

Part No.	Box Size			Usable Depth	Panel Boss Centers		Panel Sizes			Foot Mount Centers		Cover Size		Window Dimension (Height x Width)
	A	B	C	F	S	Z	Ht.	Wid.	P/N	H	L	U	W	
AM664W	6.10	6.10	4.18	3.65	4.25	4.25	4.81	4.81	PL66 PLA66	5.01	7.32	7.69	7.69	4.25 x 4.25
	155mm	155mm	106mm	93mm	108mm	108mm	122mm	122mm		127mm	186mm	195mm	195mm	108mm x 108mm
AM864W	8.00	6.13	4.14	3.60	6.25	4.25	6.75	4.88	PL86 PLA86	5.02	9.20	9.59	7.71	6.25 x 4.25
	203mm	156mm	105mm	91mm	159mm	108mm	171mm	124mm		127mm	234mm	244mm	196mm	159mm x 108mm
AM1084W	10.14	8.26	4.13	3.57	8.25	6.25	8.75	6.88	PL108 PLA108	7.01	11.19	11.73	9.90	8.38 x 6.50
	258mm	210mm	105mm	91mm	210mm	159mm	222mm	175mm		178mm	284mm	299mm	251mm	213mm x 165mm
AM1086W	10.14	8.26	6.13	5.57	8.25	6.25	8.75	6.88	PL108 PLA108	7.01	11.19	11.73	9.85	8.38 x 6.50
	258mm	210mm	156mm	141mm	210mm	159mm	222mm	175mm		178mm	284mm	298mm	250mm	213mm x 165mm
AM1206W	12.14	10.26	6.13	5.58	10.25	8.25	10.75	8.88	PL120 PLA120	9.01	13.19	13.73	11.85	10.38 x 8.50
	308mm	261mm	156mm	142mm	260mm	210mm	273mm	225mm		229mm	335mm	349mm	301mm	264mm x 216mm
AM1224W	12.14	12.14	4.13	3.62	10.25	10.25	10.75	10.75	PL122 PLA122	11.01	13.32	13.72	13.72	10.38 x 10.38
	308mm	308mm	105mm	92mm	260mm	260mm	273mm	273mm		280mm	338mm	348mm	348mm	264mm x 264mm
AM1226W	12.14	12.14	6.13	5.62	10.25	10.25	10.75	10.75	PL122 PLA122	11.01	13.32	13.72	13.72	10.38 x 10.38
	308mm	308mm	156mm	143mm	260mm	260mm	273mm	273mm		280mm	338mm	348mm	348mm	264mm x 264mm
AM1426W	14.14	12.26	6.13	5.60	12.25	10.25	12.75	10.88	PL142 PLA142	11.03	15.19	15.73	13.85	12.38 x 10.50
	359mm	312mm	156mm	142mm	311mm	260mm	324mm	276mm		280mm	386mm	399mm	352mm	314mm x 267mm
AM1648W	16.27	14.40	8.13	7.58	14.25	12.25	14.75	12.88	P164 PA164	13.01	17.19	17.87	15.99	13.00 x 11.00
	413mm	366mm	207mm	192mm	362mm	311mm	375mm	327mm		330mm	437mm	454mm	406mm	330mm x 279mm
AM1868W	18.40	16.40	8.13	7.58	16.25	14.25	16.88	14.88	P186 PA186	14.97	19.28	20.00	18.00	14.00 x 12.00
	467mm	417mm	207mm	192mm	413mm	362mm	429mm	378mm		380mm	490mm	508mm	457mm	356mm x 305mm
AM2068W	20.00	16.00	8.13	7.58	17.81	13.81	18.44	14.44	P206 PA206	14.54	20.84	21.59	17.59	15.00 x 11.00
	508mm	406mm	207mm	192mm	452mm	351mm	468mm	367mm		369mm	529mm	548mm	447mm	381mm x 279mm

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

Data subject to change without notice

AM Series

JIC SIZE JUNCTION BOXES

Cover Type

Flat Solid/Opaque

Closure Type

Hinged Screw Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

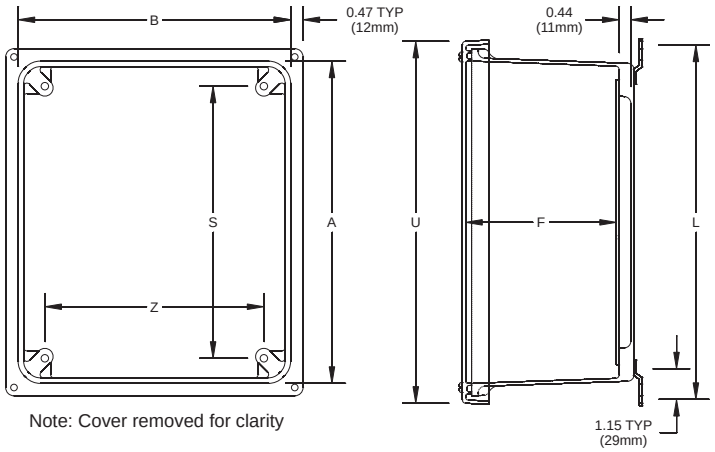
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

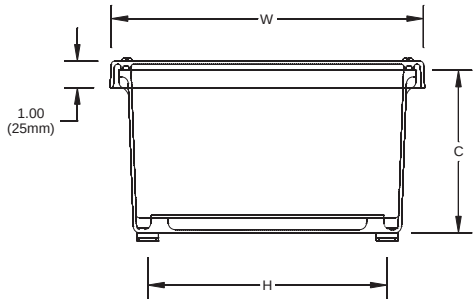
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching flat cover
- 316 stainless steel captive cover screws
- Continuous 316 stainless steel hinge
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting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

Accessories & Modifications

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



Note: Cover removed for clarity



Nominal 1/8" (3mm) wall thickness

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

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

AM Series

JIC SIZE JUNCTION BOXES

Cover Type

Flat Viewing Window

Closure Type

Hinged Screw Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

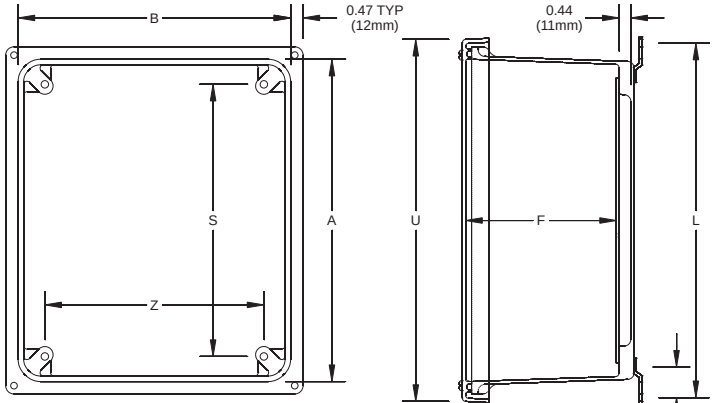
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

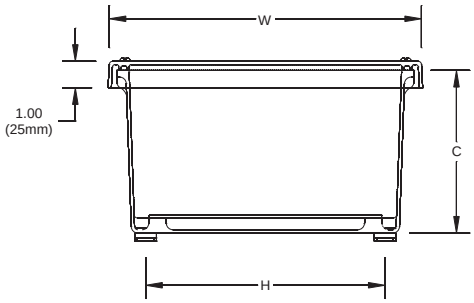
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching flat cover
- UV resistant polycarbonate viewing window
- 316 stainless steel captive cover screws
- Continuous 316 stainless steel hinge
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous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

Accessories & Modifications

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



Note: Cover removed for clarity



Nominal 1/8" (3mm) wall thickness

Part No.	Box Size			Usable Depth	Panel Boss Centers		Panel Sizes			Foot Mount Centers		Cover Size		Window Dimension (Height x Width)
	A	B	C	F	S	Z	Ht.	Wid.	P/N	H	L	U	W	
AM664HW	6.10	6.10	4.18	3.65	4.25	4.25	4.81	4.81	PL66 PLA66	5.01	7.32	7.69	7.69	4.25 x 4.25
	155mm	155mm	106mm	93mm	108mm	108mm	122mm	122mm		127mm	186mm	195mm	195mm	108mm x 108mm
AM864HW	8.00	6.13	4.14	3.60	6.25	4.25	6.75	4.88	PL86 PLA86	5.02	9.20	9.59	7.71	6.25 x 4.25
	203mm	156mm	105mm	91mm	159mm	108mm	171mm	124mm		127mm	234mm	244mm	196mm	159mm x 108mm
AM1084HW	10.14	8.26	4.13	3.57	8.25	6.25	8.75	6.88	PL108 PLA108	7.01	11.19	11.73	9.90	8.38 x 6.50
	258mm	210mm	105mm	91mm	210mm	159mm	222mm	175mm		178mm	284mm	299mm	251mm	213mm x 165mm
AM1086HW	10.14	8.26	6.13	5.57	8.25	6.25	8.75	6.88	PL108 PLA108	7.01	11.19	11.73	9.85	8.38 x 6.50
	258mm	210mm	156mm	141mm	210mm	159mm	222mm	175mm		178mm	284mm	298mm	250mm	213mm x 165mm
AM1206HW	12.14	10.26	6.13	5.58	10.25	8.25	10.75	8.88	PL120 PLA120	9.01	13.19	13.73	11.85	10.38 x 8.50
	308mm	261mm	156mm	142mm	260mm	210mm	273mm	225mm		229mm	335mm	349mm	301mm	264mm x 216mm
AM1224HW	12.14	12.14	4.13	3.62	10.25	10.25	10.75	10.75	PL122 PLA122	11.01	13.32	13.72	13.72	10.38 x 10.38
	308mm	308mm	105mm	92mm	260mm	260mm	273mm	273mm		280mm	338mm	348mm	348mm	264mm x 264mm
AM1226HW	12.14	12.14	6.13	5.62	10.25	10.25	10.75	10.75	PL122 PLA122	11.01	13.32	13.72	13.72	10.38 x 10.38
	308mm	308mm	156mm	143mm	260mm	260mm	273mm	273mm		280mm	338mm	348mm	348mm	264mm x 264mm
AM1426HW	14.14	12.26	6.13	5.60	12.25	10.25	12.75	10.88	PL142 PLA142	11.03	15.19	15.73	13.85	12.38 x 10.50
	359mm	312mm	156mm	142mm	311mm	260mm	324mm	276mm		280mm	386mm	399mm	352mm	314mm x 267mm
AM1648HW	16.27	14.40	8.13	7.58	14.25	12.25	14.75	12.88	P164 PA164	13.01	17.19	17.87	15.99	13.00 x 11.00
	413mm	366mm	207mm	192mm	362mm	311mm	375mm	327mm		330mm	437mm	454mm	406mm	330mm x 279mm
AM1868HW	18.40	16.40	8.13	7.58	16.25	14.25	16.88	14.88	P186 PA186	14.97	19.28	20.00	18.00	14.00 x 12.00
	467mm	417mm	207mm	192mm	413mm	362mm	429mm	378mm		380mm	490mm	508mm	457mm	356mm x 305mm
AM2068HW	20.00	16.00	8.13	7.58	17.81	13.81	18.44	14.44	P206 PA206	14.54	20.84	21.59	17.59	15.00 x 11.00
	508mm	406mm	207mm	192mm	452mm	351mm	468mm	367mm		369mm	529mm	548mm	447mm	381mm x 279mm

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

Data subject to change without notice

AM Series

JIC SIZE JUNCTION BOXES

Cover Type

Flat Solid/Opaque

Closure Type

Snap Latch Hinged Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

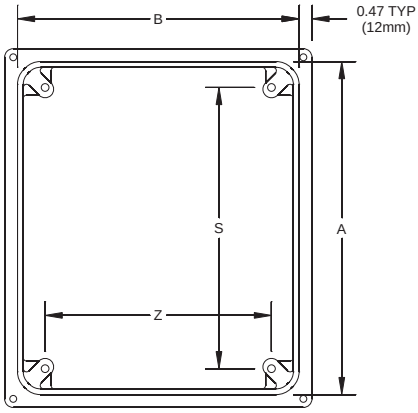
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

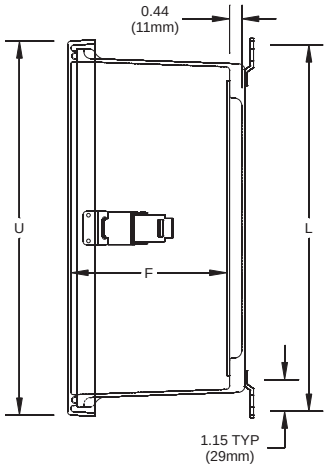
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching flat cover
- 316 stainless steel snap latches feature padlock hasp (.375" dia.)
- Continuous 316 stainless steel hinge
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316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

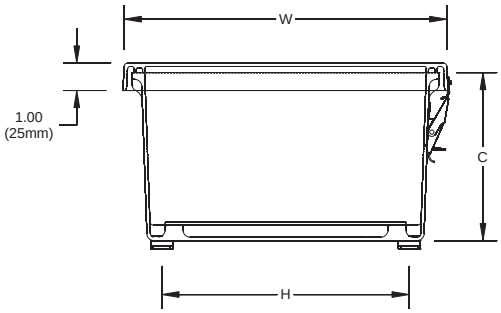
Accessories & Modifications

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



Note: Cover removed for clarity

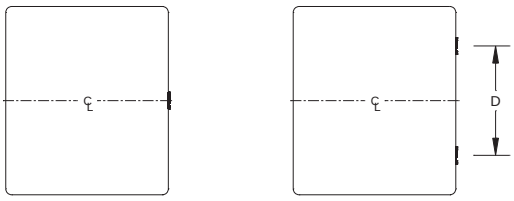




Nominal 1/8" (3mm) wall thickness

LATCH LOCATIONS

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



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

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

AM Series

JIC SIZE JUNCTION BOXES

Cover Type

Flat Viewing Window

Closure Type

Snap Latch Hinged Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

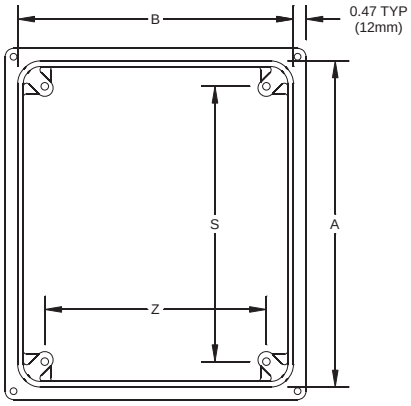
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

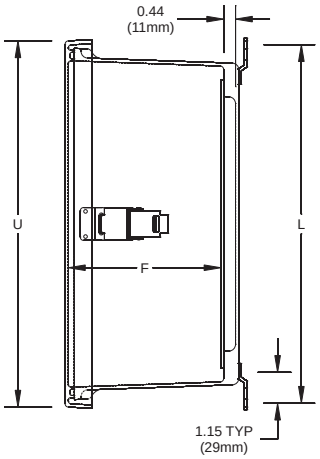
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching flat cover
- UV resistant polycarbonate viewing window
- 316 stainless steel snap latches feature padlock hasp (.375" dia.)
- Continuous 316 stainless steel hinge
- Formed-In-Place (FIP) polyurethane gasket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

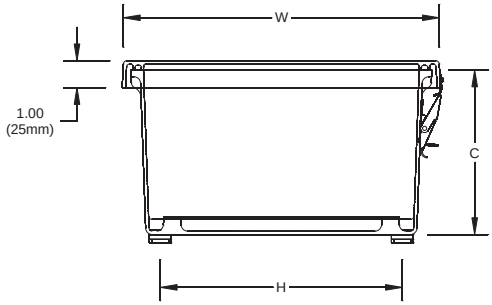
Accessories & Modifications

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



Note: Cover removed for clarity

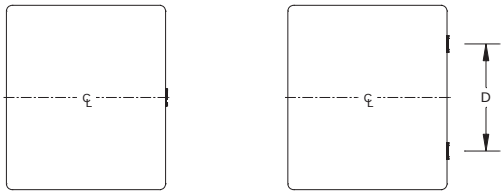




Nominal 1/8" (3mm) wall thickness

LATCH LOCATIONS

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



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

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

Data subject to change without notice

AM Series

JIC SIZE JUNCTION BOXES

Cover Type

Flat Solid/Opaque

Closure Type

Twist Latch Hinged Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

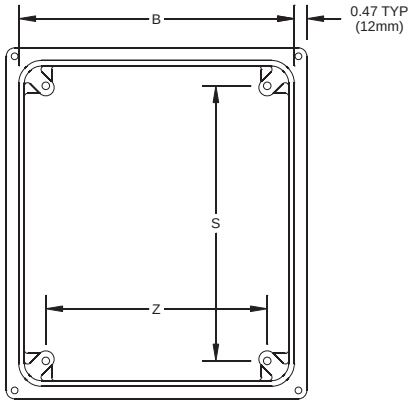
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

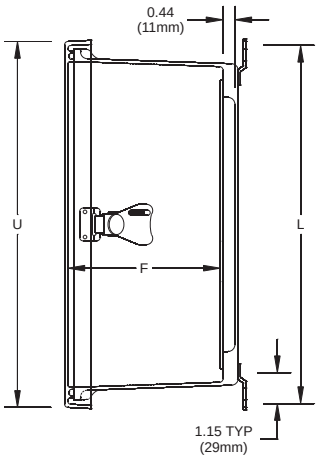
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching flat cover
- 316 stainless steel twist latches feature padlock hasp (.375" dia.)
- Continuous 316 stainless steel hinge
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316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

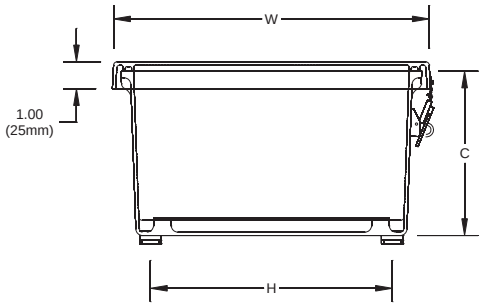
Accessories & Modifications

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



Note: Cover removed for clarity

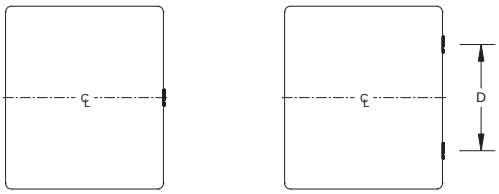




Nominal 1/8" (3mm) wall thickness

LATCH LOCATIONS

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



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

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

AM Series

JIC SIZE JUNCTION BOXES

Cover Type

Flat Viewing Window

Closure Type

Twist Latch Hinged Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

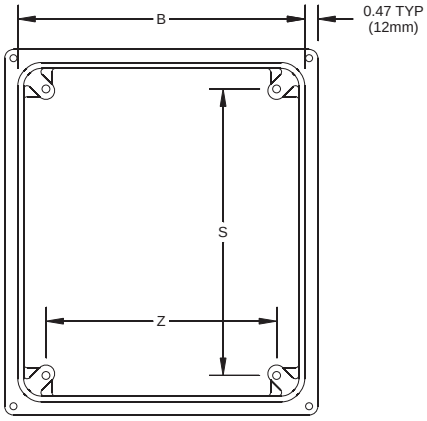
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

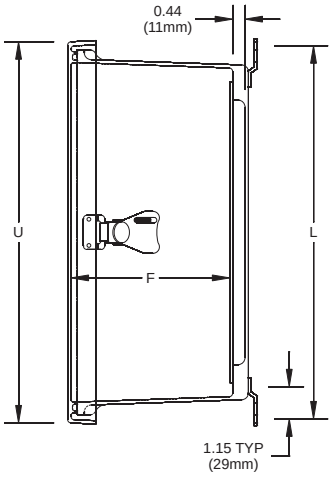
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching flat cover
- UV resistant polycarbonate viewing window
- 316 stainless steel twist latches feature padlock hasp (.375" dia.)
- Continuous 316 stainless steel hinge
- Formed-In-Place (FIP) polyurethane gasket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

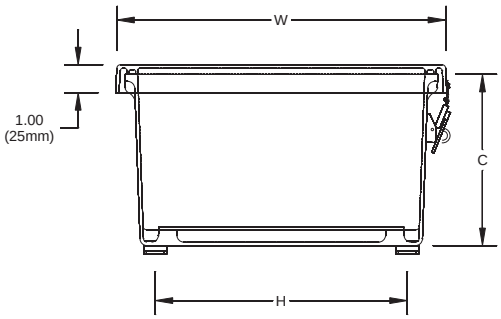
Accessories & Modifications

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



Note: Cover removed for clarity

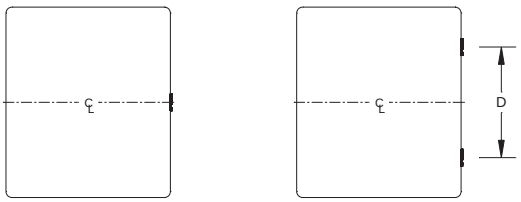




Nominal 1/8" (3mm) wall thickness

LATCH LOCATIONS

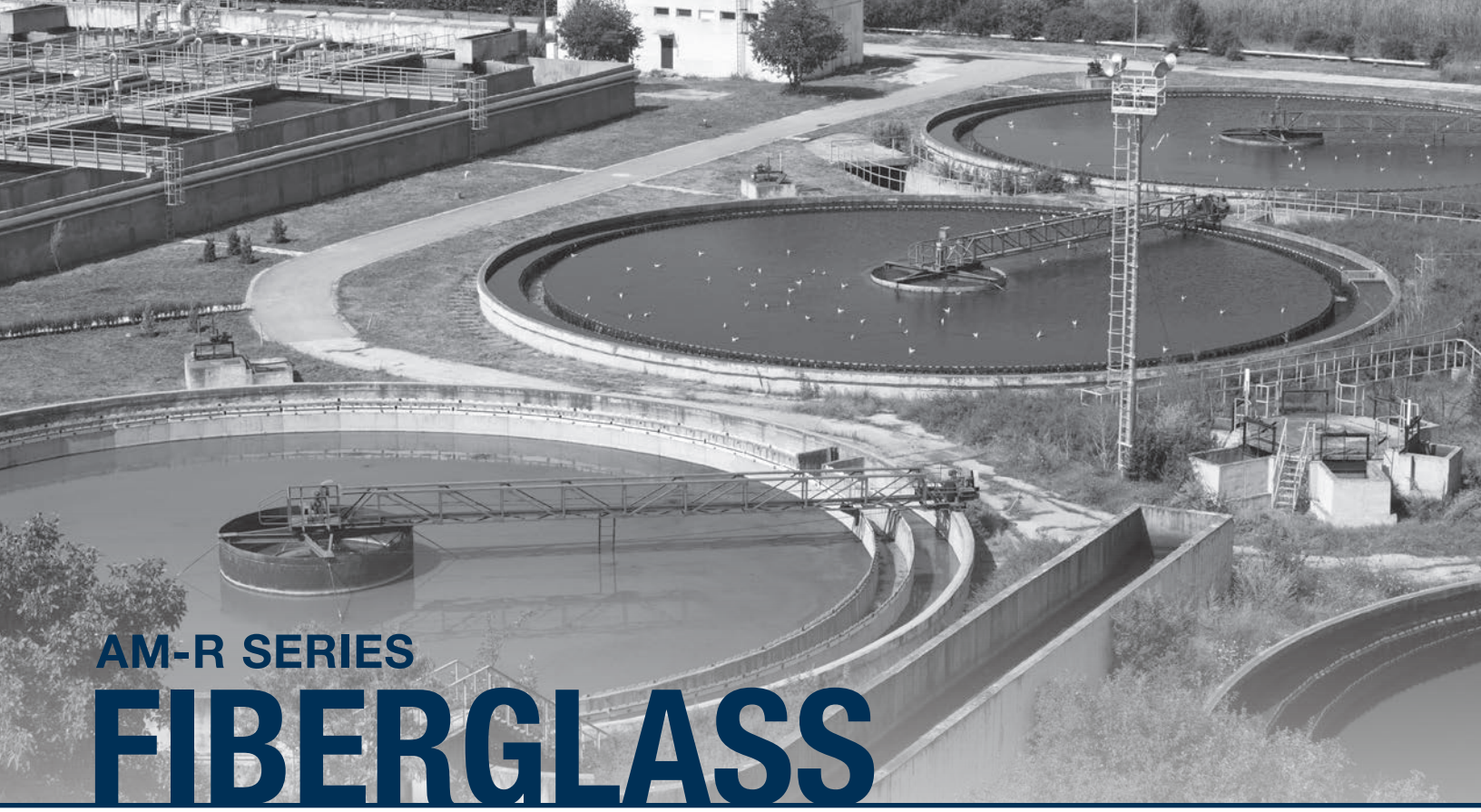
FOR USE ON:	FOR USE ON:	
6x6x4	12x10x6 D=8.00 (203 mm)	16x14x8 D=8.54 (217 mm)
8x6x4	12x12x4,6 D=8.00 (203 mm)	18x16x8 D=6.50 (165 mm)
10x8x4,6	14x12x6 D=8.54 (217 mm)	20x16x8 D=10.52 (267 mm)



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

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

Data subject to change without notice



AM-R SERIES

FIBERGLASS

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

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

Scan to learn more

AM-R Series Features & Benefits

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

AM-R Series Specifications

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

Accessories

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

Modifications

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

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

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

www.alliedmoulded.com

AM-R Series

JIC SIZE JUNCTION BOXES

Cover Type

Raised Solid/Opaque

Latching Option

Lift-Off Screw Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

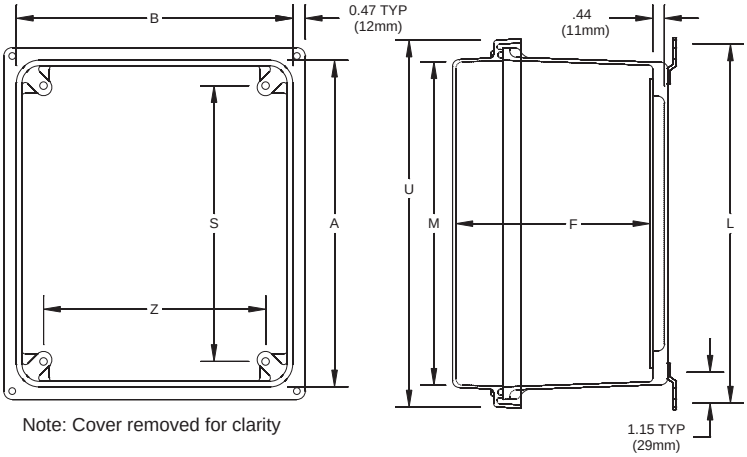
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6"x6" up through 14"x12"), 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6"x6" up through 14"x12"), 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6"x6" up through 14"x12"), 12 and 13
  - IEC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

Construction

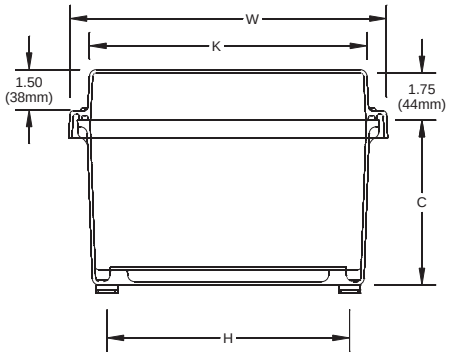
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching raised cover
- 316 stainless steel captive cover screws
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting feet with 10-32 stainless steel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

Accessories & Modifications

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



Note: Cover removed for clarity



Nominal 1/8" (3mm) wall thickness

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

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

Data subject to change without notice

AM-R Series

JIC SIZE JUNCTION BOXES

Cover Type

Raised Viewing Window

Closure Type

Lift-Off Screw Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

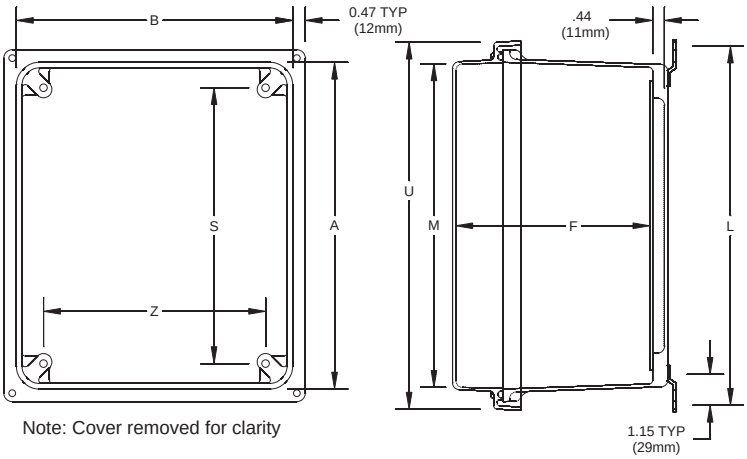
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

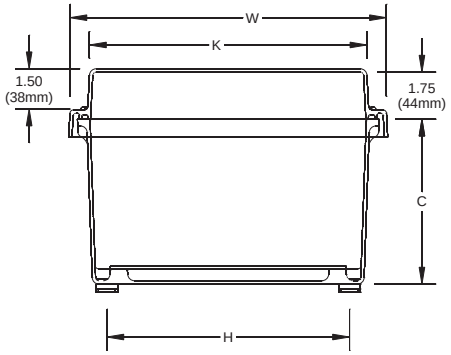
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching raised cover
- UV resistant polycarbonate viewing window
- 316 stainless steel captive cover screws
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall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

Accessories & Modifications

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



Note: Cover removed for clarity



Nominal 1/8" (3mm) wall thickness

Part No.	Box Size			Usable Depth	Panel Boss Centers		Panel Sizes			Foot Mount Centers		Cover Size				Window Dimension (Height x Width)
	A	B	C	F	S	Z	Ht.	Wid.	P/N	H	L	K	M	U	W	
AM664RW	6.10	6.10	4.18	5.18	4.25	4.25	4.81	4.81	PL66 PLA66	5.01	7.32	6.08	6.08	7.69	7.69	4.25 x 4.25
	155mm	155mm	106mm	131mm	108mm	108mm	122mm	122mm		127mm	186mm	154mm	154mm	195mm	195mm	108mm x 108mm
AM864RW	8.00	6.13	4.14	5.10	6.25	4.25	6.75	4.88	PL86 PLA86	5.02	9.20	7.71	7.98	9.59	7.71	6.25 x 4.25
	203mm	156mm	105mm	130mm	159mm	108mm	171mm	124mm		127mm	234mm	196mm	203mm	244mm	196mm	159mm x 108mm
AM1084RW	10.14	8.26	4.13	5.10	8.25	6.25	8.75	6.88	PL108 PLA108	7.01	11.19	8.29	10.16	11.73	9.90	8.38 x 6.50
	258mm	210mm	105mm	130mm	210mm	159mm	222mm	175mm		178mm	284mm	211mm	258mm	299mm	251mm	213mm x 165mm
AM1086RW	10.14	8.26	6.13	7.12	8.25	6.25	8.75	6.88	PL108 PLA108	7.01	11.19	8.29	10.16	11.73	9.85	8.38 x 6.50
	258mm	210mm	156mm	181mm	210mm	159mm	222mm	175mm		178mm	284mm	211mm	258mm	298mm	250mm	213mm x 165mm
AM1206RW	12.14	10.26	6.13	7.10	10.25	8.25	10.75	8.88	PL120 PLA120	9.01	13.19	10.29	12.16	13.73	11.85	10.38 x 8.50
	308mm	261mm	156mm	180mm	260mm	210mm	273mm	225mm		229mm	335mm	261mm	309mm	349mm	301mm	264mm x 216mm
AM1224RW	12.14	12.14	4.13	5.15	10.25	10.25	10.75	10.75	PL122 PLA122	11.01	13.32	12.16	12.16	13.72	13.72	10.38 x 10.38
	308mm	308mm	105mm	131mm	260mm	260mm	273mm	273mm		280mm	338mm	309mm	309mm	348mm	348mm	264mm x 264mm
AM1226RW	12.14	12.14	6.13	7.15	10.25	10.25	10.75	10.75	PL122 PLA122	11.01	13.32	12.16	12.16	13.72	13.72	10.38 x 10.38
	308mm	308mm	156mm	182mm	260mm	260mm	273mm	273mm		280mm	338mm	309mm	309mm	348mm	348mm	264mm x 264mm
AM1426RW	14.14	12.26	6.13	7.10	12.25	10.25	12.75	10.88	PL142 PLA142	11.03	15.19	12.29	14.16	15.73	13.85	12.38 x 10.50
	359mm	312mm	156mm	180mm	311mm	260mm	324mm	276mm		280mm	386mm	312mm	360mm	399mm	352mm	314mm x 267mm
AM1648RW	16.27	14.40	8.13	9.10	14.25	12.25	14.75	12.88	P164 PA164	13.01	17.19	13.70	15.57	17.87	15.99	13.00 x 11.00
	413mm	366mm	207mm	231mm	362mm	311mm	375mm	327mm		330mm	437mm	348mm	395mm	454mm	406mm	330mm x 279mm
AM1868RW	18.40	16.40	8.13	9.11	16.25	14.25	16.88	14.88	P186 PA186	14.97	19.28	15.70	17.70	20.00	18.00	14.00 x 12.00
	467mm	417mm	207mm	231mm	413mm	362mm	429mm	378mm		380mm	490mm	399mm	450mm	508mm	457mm	356mm x 305mm
AM2068RW	20.00	16.00	8.13	9.10	17.81	13.81	18.44	14.44	P206 PA206	14.54	20.84	15.27	19.27	21.59	17.59	15.00 x 11.00
	508mm	406mm	207mm	231mm	452mm	351mm	468mm	367mm		369mm	529mm	388mm	489mm	548mm	447mm	381mm x 279mm

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

Data subject to change without notice

AM-R Series

JIC SIZE JUNCTION BOXES

Cover Type

Raised Solid/Opaque

Closure Type

Hinged Screw Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

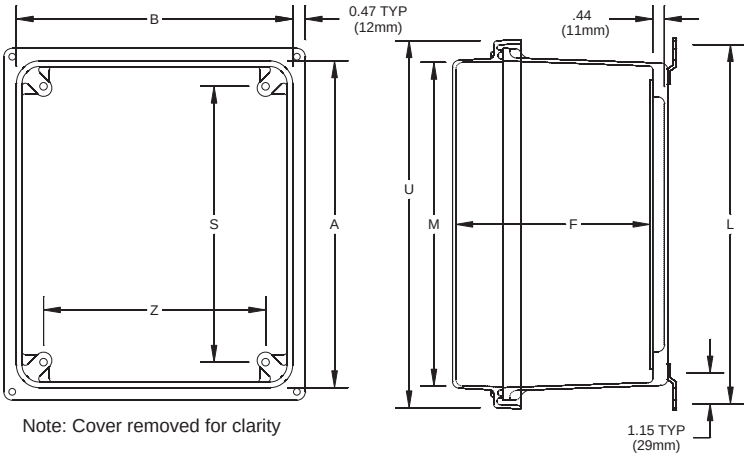
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

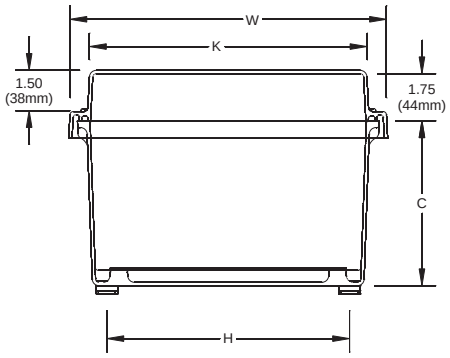
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching raised cover
- 316 stainless steel captive cover screws
- Continuous 316 stainless steel hinge
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting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

Accessories & Modifications

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



Note: Cover removed for clarity



Nominal 1/8" (3mm) wall thickness

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

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

AM-R Series

JIC SIZE JUNCTION BOXES

Cover Type

Raised Viewing Window

Closure Type

Hinged Screw Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

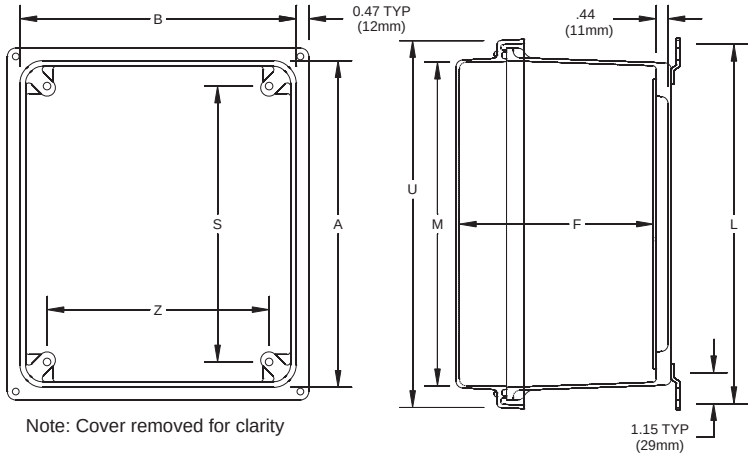
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

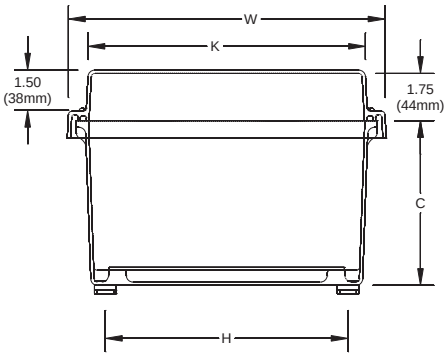
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching raised cover
- UV resistant polycarbonate viewing window
- 316 stainless steel captive cover screws
- Continuous 316 stainless steel hinge
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous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

Accessories & Modifications

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



Note: Cover removed for clarity



Nominal 1/8" (3mm) wall thickness

Part No.	Box Size			Usable Depth	Panel Boss Centers		Panel Sizes			Foot Mount Centers		Cover Size				Window Dimension (Height x Width)
	A	B	C	F	S	Z	Ht.	Wid.	P/N	H	L	K	M	U	W	
AM664RHW	6.10	6.10	4.18	5.18	4.25	4.25	4.81	4.81	PL66 PLA66	5.01	7.32	6.08	6.08	7.69	7.69	4.25 x 4.25
	155mm	155mm	106mm	131mm	108mm	108mm	122mm	122mm		127mm	186mm	154mm	154mm	195mm	195mm	108mm x 108mm
AM864RHW	8.00	6.13	4.14	5.10	6.25	4.25	6.75	4.88	PL86 PLA86	5.02	9.20	7.71	7.98	9.59	7.71	6.25 x 4.25
	203mm	156mm	105mm	130mm	159mm	108mm	171mm	124mm		127mm	234mm	196mm	203mm	244mm	196mm	159mm x 108mm
AM1084RHW	10.14	8.26	4.13	5.10	8.25	6.25	8.75	6.88	PL108 PLA108	7.01	11.19	8.29	10.16	11.73	9.90	8.38 x 6.50
	258mm	210mm	105mm	130mm	210mm	159mm	222mm	175mm		178mm	284mm	211mm	258mm	299mm	251mm	213mm x 165mm
AM1086RHW	10.14	8.26	6.13	7.12	8.25	6.25	8.75	6.88	PL108 PLA108	7.01	11.19	8.29	10.16	11.73	9.85	8.38 x 6.50
	258mm	210mm	156mm	181mm	210mm	159mm	222mm	175mm		178mm	284mm	211mm	258mm	298mm	250mm	213mm x 165mm
AM1206RHW	12.14	10.26	6.13	7.10	10.25	8.25	10.75	8.88	PL120 PLA120	9.01	13.19	10.29	12.16	13.73	11.85	10.38 x 8.50
	308mm	261mm	156mm	180mm	260mm	210mm	273mm	225mm		229mm	335mm	261mm	309mm	349mm	301mm	264mm x 216mm
AM1224RHW	12.14	12.14	4.13	5.15	10.25	10.25	10.75	10.75	PL122 PLA122	11.01	13.32	12.16	12.16	13.72	13.72	10.38 x 10.38
	308mm	308mm	105mm	131mm	260mm	260mm	273mm	273mm		280mm	338mm	309mm	309mm	348mm	348mm	264mm x 264mm
AM1226RHW	12.14	12.14	6.13	7.15	10.25	10.25	10.75	10.75	PL122 PLA122	11.01	13.32	12.16	12.16	13.72	13.72	10.38 x 10.38
	308mm	308mm	156mm	182mm	260mm	260mm	273mm	273mm		280mm	338mm	309mm	309mm	348mm	348mm	264mm x 264mm
AM1426RHW	14.14	12.26	6.13	7.10	12.25	10.25	12.75	10.88	PL142 PLA142	11.03	15.19	12.29	14.16	15.73	13.85	12.38 x 10.50
	359mm	312mm	156mm	180mm	311mm	260mm	324mm	276mm		280mm	386mm	312mm	360mm	399mm	352mm	314mm x 267mm
AM1648RHW	16.27	14.40	8.13	9.10	14.25	12.25	14.75	12.88	P164 PA164	13.01	17.19	13.70	15.57	17.87	15.99	13.00 x 11.00
	413mm	366mm	207mm	231mm	362mm	311mm	375mm	327mm		330mm	437mm	348mm	395mm	454mm	406mm	330mm x 279mm
AM1868RHW	18.40	16.40	8.13	9.11	16.25	14.25	16.88	14.88	P186 PA186	14.97	19.28	15.70	17.70	20.00	18.00	14.00 x 12.00
	467mm	417mm	207mm	231mm	413mm	362mm	429mm	378mm		380mm	490mm	399mm	450mm	508mm	457mm	356mm x 305mm
AM2068RHW	20.00	16.00	8.13	9.10	17.81	13.81	18.44	14.44	P206 PA206	14.54	20.84	15.27	19.27	21.59	17.59	15.00 x 11.00
	508mm	406mm	207mm	231mm	452mm	351mm	468mm	367mm		369mm	529mm	388mm	489mm	548mm	447mm	381mm x 279mm

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

Data subject to change without notice

AM-R Series

JIC SIZE JUNCTION BOXES

Cover Type

Raised Solid/Opaque

Closure Type

Snap Latch Hinged Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

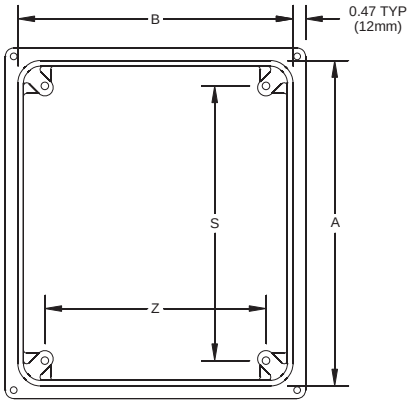
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

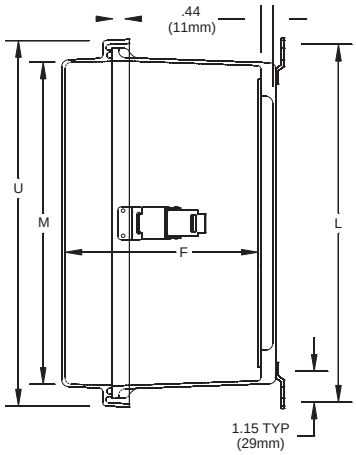
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching raised cover
- 316 stainless steel snap latches feature padlock hasp (.375" dia.)
- Continuous 316 stainless steel hinge
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
-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

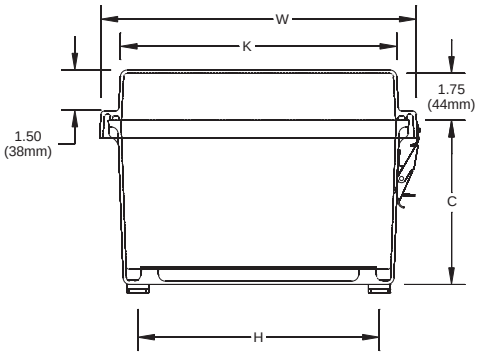
Accessories & Modifications

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



Note: Cover removed for clarity

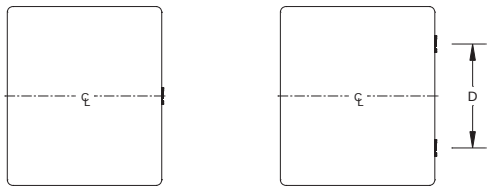




Nominal 1/8" (3mm) wall thickness

LATCH LOCATIONS

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



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

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

AM-R Series

JIC SIZE JUNCTION BOXES

Cover Type

Raised Viewing Window

Closure Type

Snap Latch Hinged Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

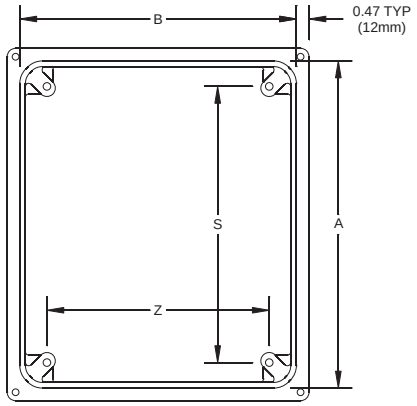
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

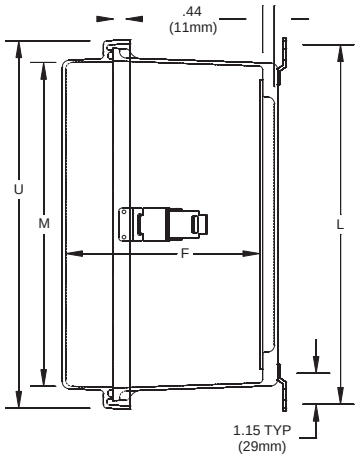
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching raised cover
- UV resistant polycarbonate viewing window
- 316 stainless steel snap latches feature padlock hasp (.375" dia.)
- Continuous 316 stainless steel hinge
- Formed-In-Place (FIP) polyurethane gasket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

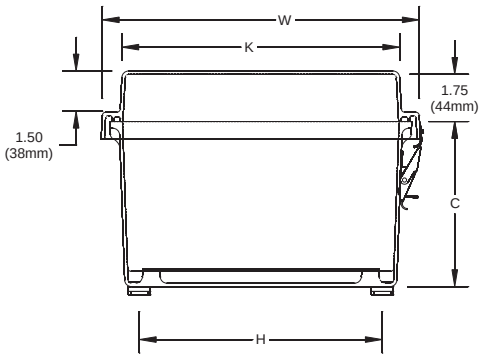
Accessories & Modifications

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



Note: Cover removed for clarity

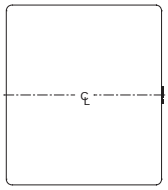


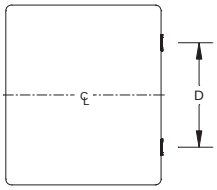


Nominal 1/8" (3mm) wall thickness

LATCH LOCATIONS

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





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

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

Data subject to change without notice

AM-R Series

JIC SIZE JUNCTION BOXES

Cover Type

Raised Solid/Opaque

Closure Type

Twist Latch Hinged Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

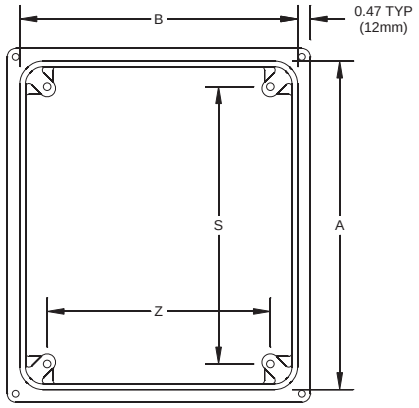
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

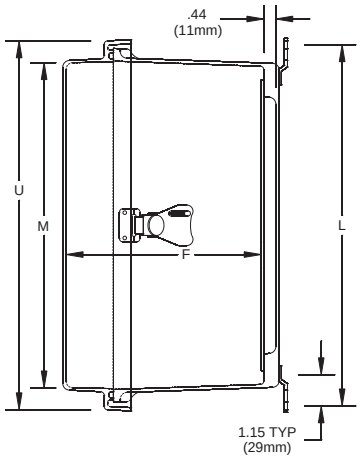
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching raised cover
- 316 stainless steel twist latches feature padlock hasp (.375" dia.)
- Continuous 316 stainless steel hinge
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
-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

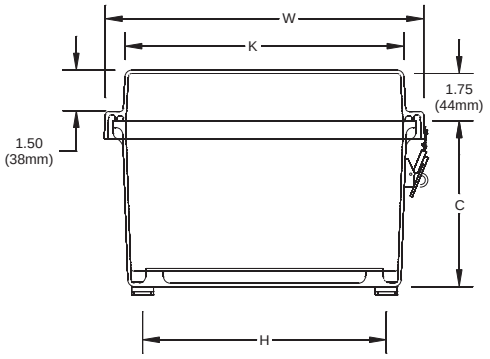
Accessories & Modifications

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



Note: Cover removed for clarity

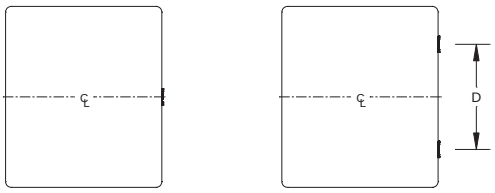




Nominal 1/8" (3mm) wall thickness

LATCH LOCATIONS

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



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

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

AM-R Series

JIC SIZE JUNCTION BOXES

Cover Type

Raised Solid/Opaque

Closure Type

Twist Latch Hinged Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

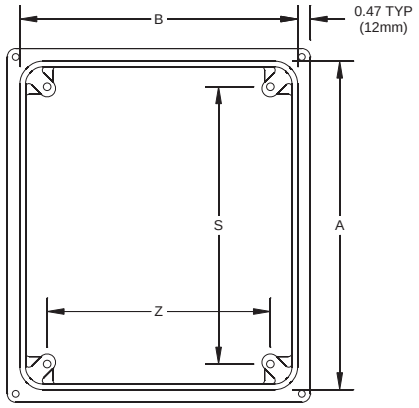
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

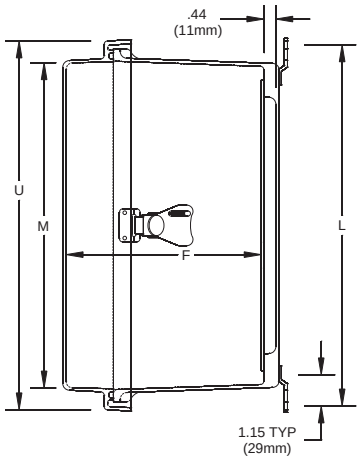
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching raised cover
- UV resistant polycarbonate viewing window
- 316 stainless steel twist latches feature padlock hasp (.375" dia.)
- Continuous 316 stainless steel hinge
- Formed-In-Place (FIP) polyurethane gasket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

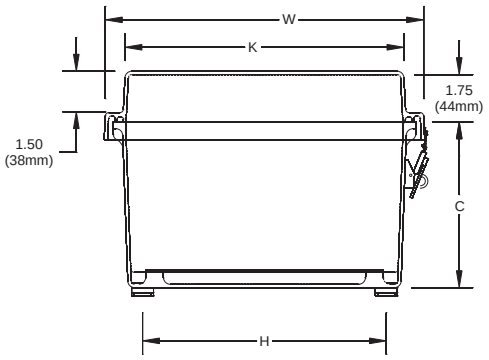
Accessories & Modifications

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



Note: Cover removed for clarity

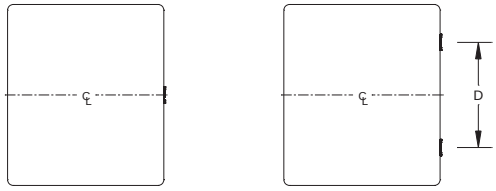




Nominal 1/8" (3mm) wall thickness

LATCH LOCATIONS

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



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

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

Data subject to change without notice

AMHD-R Series

HEAVY DUTY
SOLAR BATTERY BOX

Cover Type

Raised Solid/Opaque

Closure Type

Snap Latch Hinged Cover

Application

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

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

Standards

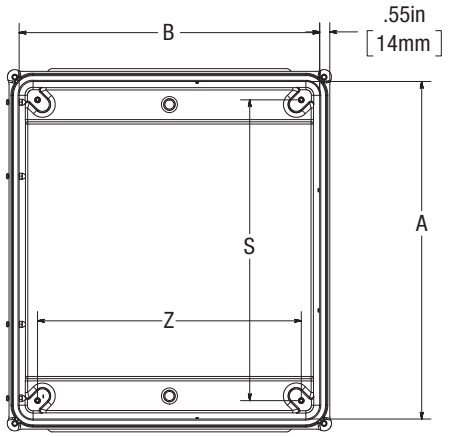
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

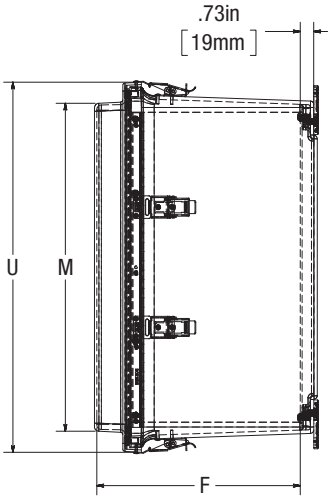
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching raised cover
- 316 stainless steel snap latches feature padlock hasp (.375" dia.)
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- Polycarbonate flanges installed with (4)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

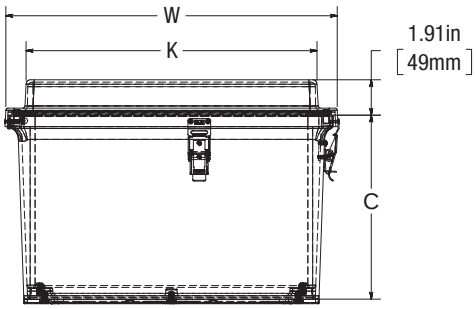
Accessories & Modifications

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

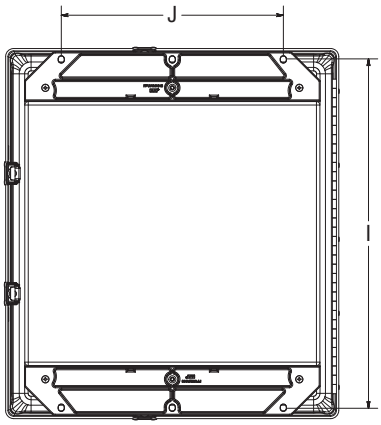


NOTE: REMOVED COVER FOR CLARITY

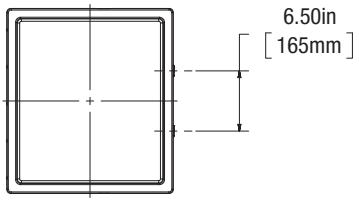




Nominal .200" (5mm) wall thickness



LATCH LOCATIONS



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

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

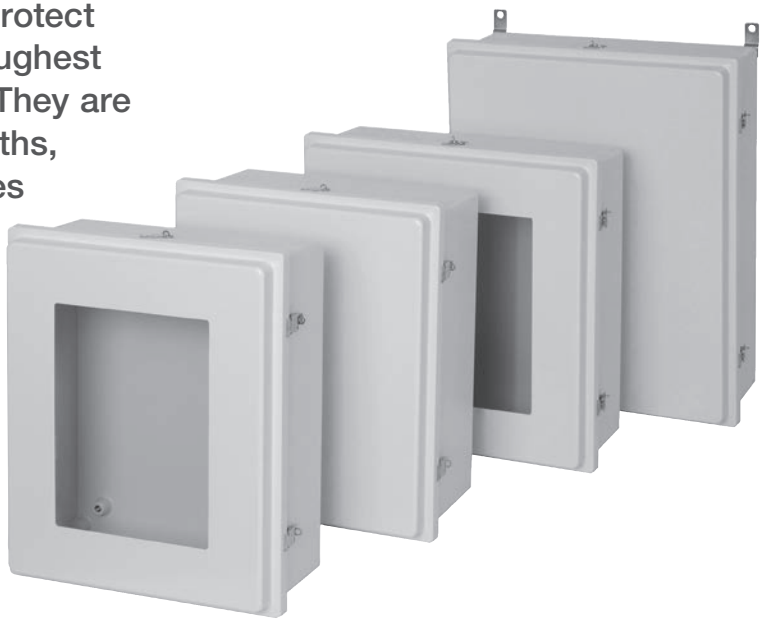
Data subject to change without notice

CONTROL SERIES

FIBERGLASS

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

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



Scan to learn more

Control Series Features & Benefits

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

Control Series Specifications

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

Accessories

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

Modifications

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

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

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

www.alliedmoulded.com

Control Series

FIBERGLASS ENCLOSURES

Cover Type

Raised Solid/Opaque

Closure Type

Snap Latch Hinged Cover

Application

Designed to insulate and house electrical and electronic controls, instruments or components for indoor and outdoor applications

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

Standards

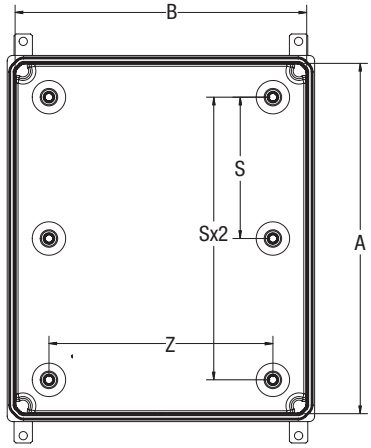
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

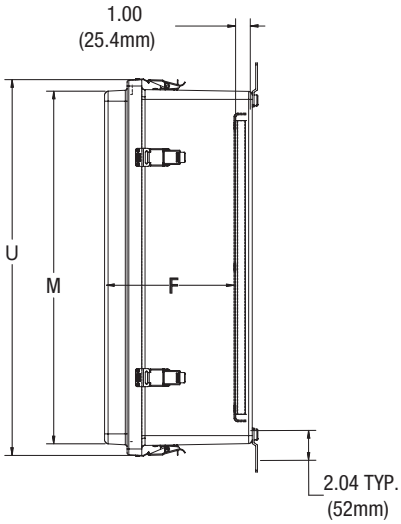
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching raised cover
- Light gray color (RAL 7035)
- 316 stainless steel snap latches feature padlock hasp (.375" dia.)
- (2) 316 stainless steel hinges
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting feet with 3/8-16 stainless steel screws included
- 3/8-16 threaded brass inserts are installed for back panel mounting
- UV stabilized for outdoor use

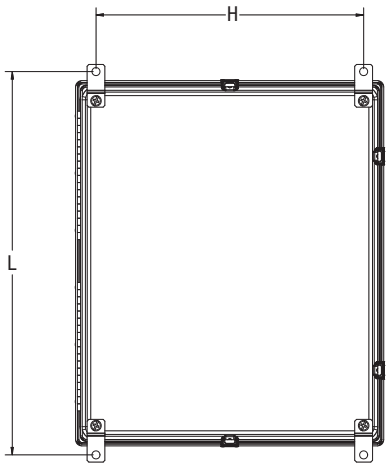
Accessories & Modifications

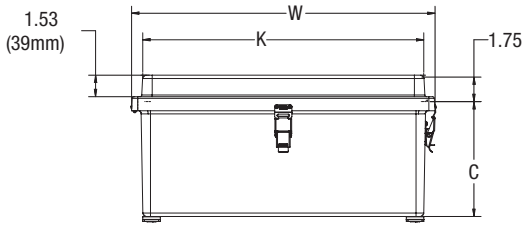
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matching
- EMI/RFI Shielding
- Factory-supplied silk screening



NOTE: COVER REMOVED FOR CLARITY

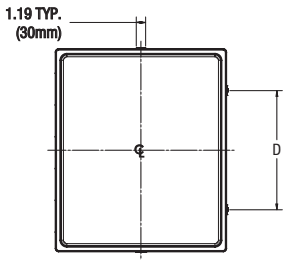






NOMINAL 1/8" (3mm) WALL THICKNESS

LATCH LOCATIONS



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

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

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

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

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

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

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

Control Series

FIBERGLASS ENCLOSURES

Cover Type

Raised Viewing Window

Closure Type

Snap Latch Hinged Cover

Application

Designed to insulate and house electrical and electronic controls, instruments or components for indoor and outdoor applications

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

Standards

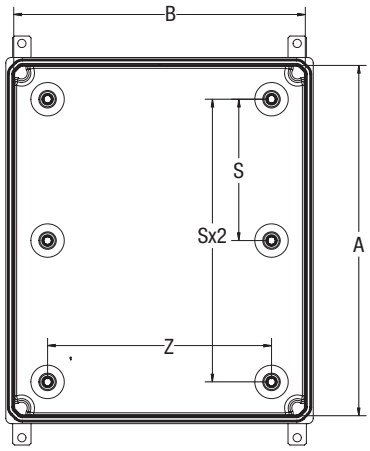
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

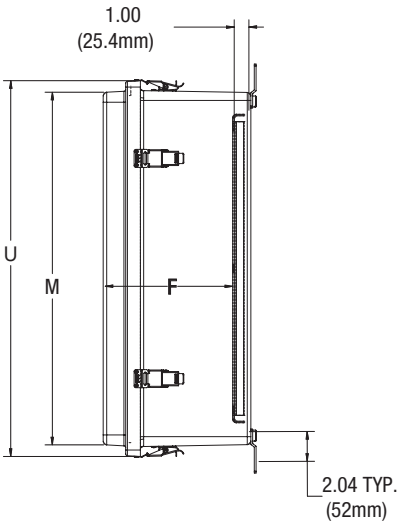
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching raised cover
- UV resistant polycarbonate viewing window
- Light gray color (RAL 7035)
- 316 stainless steel snap latches feature padlock hasp (.375" dia.)
- (2) 316 stainless steel hinges
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting feet with 3/8-16 stainless steel screws included
- 3/8-16 threaded brass inserts are installed for back panel mounting
- UV stabilized for outdoor use

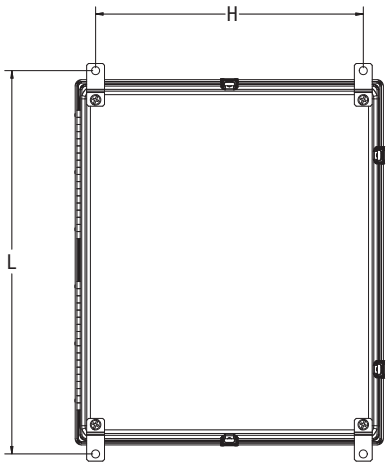
Accessories & Modifications

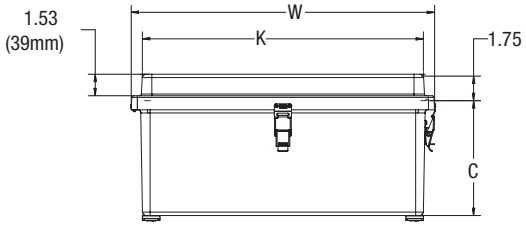
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Molded-in color matching
- EMI/RFI Shielding
- Factory-supplied silk screening



NOTE: COVER REMOVED FOR CLARITY

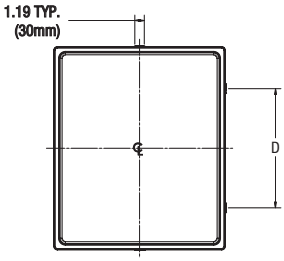






NOMINAL 1/8" (3mm) WALL THICKNESS

LATCH LOCATIONS



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

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

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

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

All dimensions are in inches unless otherwise noted
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AM24208RLW)
Additional back panels found on page 128

Data subject to change without notice

Control Series

FIBERGLASS ENCLOSURES

Cover Type

Raised Solid/Opaque

Closure Type

Twist Latch Hinged Cover

Application

Designed to insulate and house electrical and electronic controls, instruments or components for indoor and outdoor applications

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

Standards

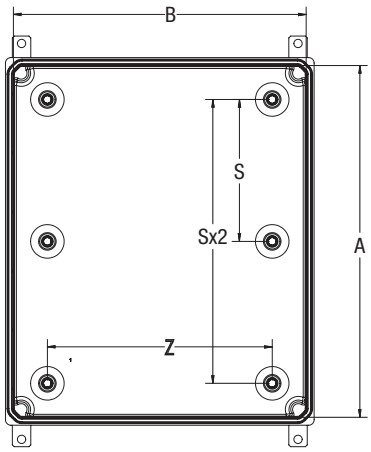
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

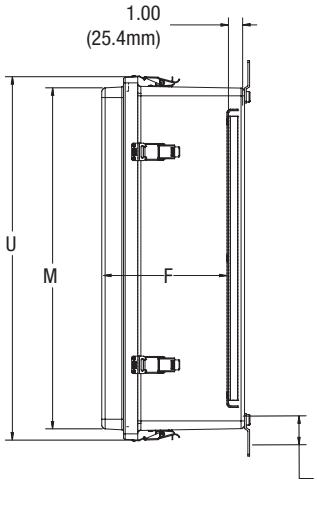
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching raised cover
- Light gray color (RAL 7035)
- 316 stainless steel twist latches feature padlock hasp (.375" dia.)
- (2) 316 stainless steel hinges
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting feet with 3/8-16 stainless steel screws included
- 3/8-16 threaded brass inserts are installed for back panel mounting
- UV stabilized for outdoor use

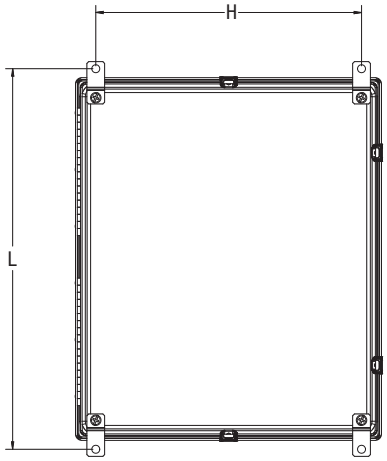
Accessories & Modifications

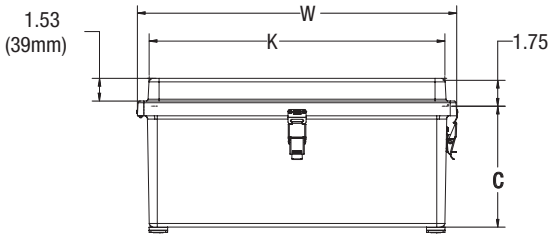
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matching
- EMI/RFI Shielding
- Factory-supplied silk screening



NOTE: COVER REMOVED FOR CLARITY

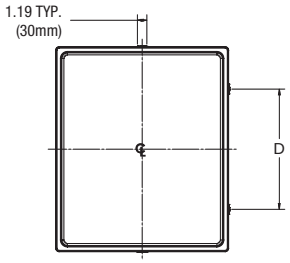






NOMINAL 1/8" (3mm) WALL THICKNESS

LATCH LOCATIONS



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

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

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

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

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

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

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

Control Series

FIBERGLASS ENCLOSURES

Cover Type

Raised Viewing Window

Closure Type

Twist Latch Hinged Cover

Application

Designed to insulate and house electrical and electronic controls, instruments or components for indoor and outdoor applications

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

Standards

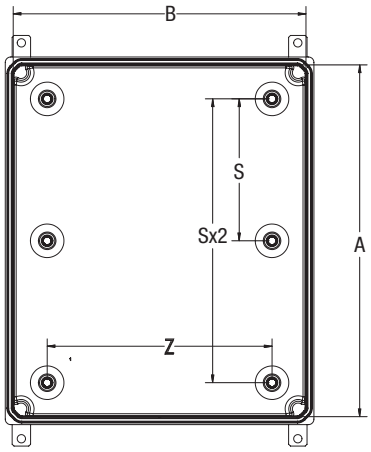
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

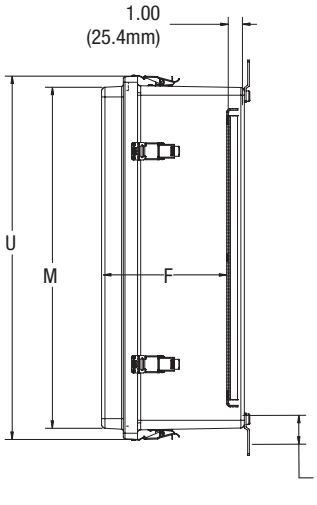
- Strong, molded ULTRAGUARD® fiberglass reinforced polyester material construction with matching raised cover
- UV resistant polycarbonate viewing window
- Light gray color (RAL 7035)
- 316 stainless steel twist latches feature padlock hasp (.375" dia.)
- (2) 316 stainless steel hinges
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel wall mounting feet with 3/8-16 stainless steel screws included
- 3/8-16 threaded brass inserts are installed for back panel mounting
- UV stabilized for outdoor use

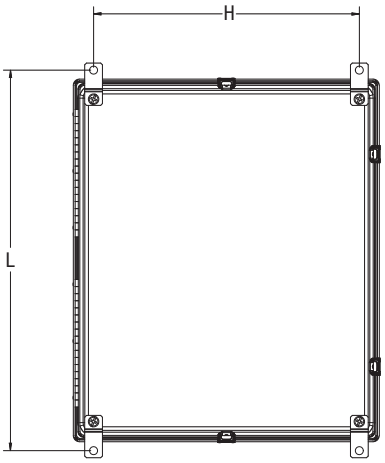
Accessories & Modifications

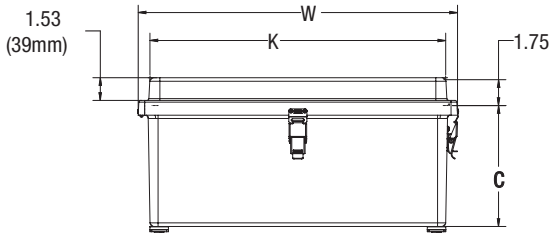
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Molded-in color matching
- EMI/RFI Shielding
- Factory-supplied silk screening



NOTE: COVER REMOVED FOR CLARITY

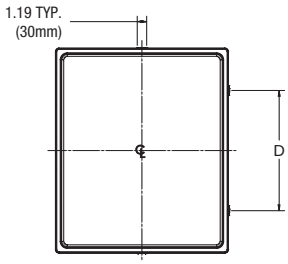






NOMINAL 1/8" (3mm) WALL THICKNESS

LATCH LOCATIONS



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

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

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

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

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

Data subject to change without notice

Control XL Series

FIBERGLASS ENCLOSURES

Cover Type

Solid/Opaque

Closure Type

3-Point Latching Handle

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

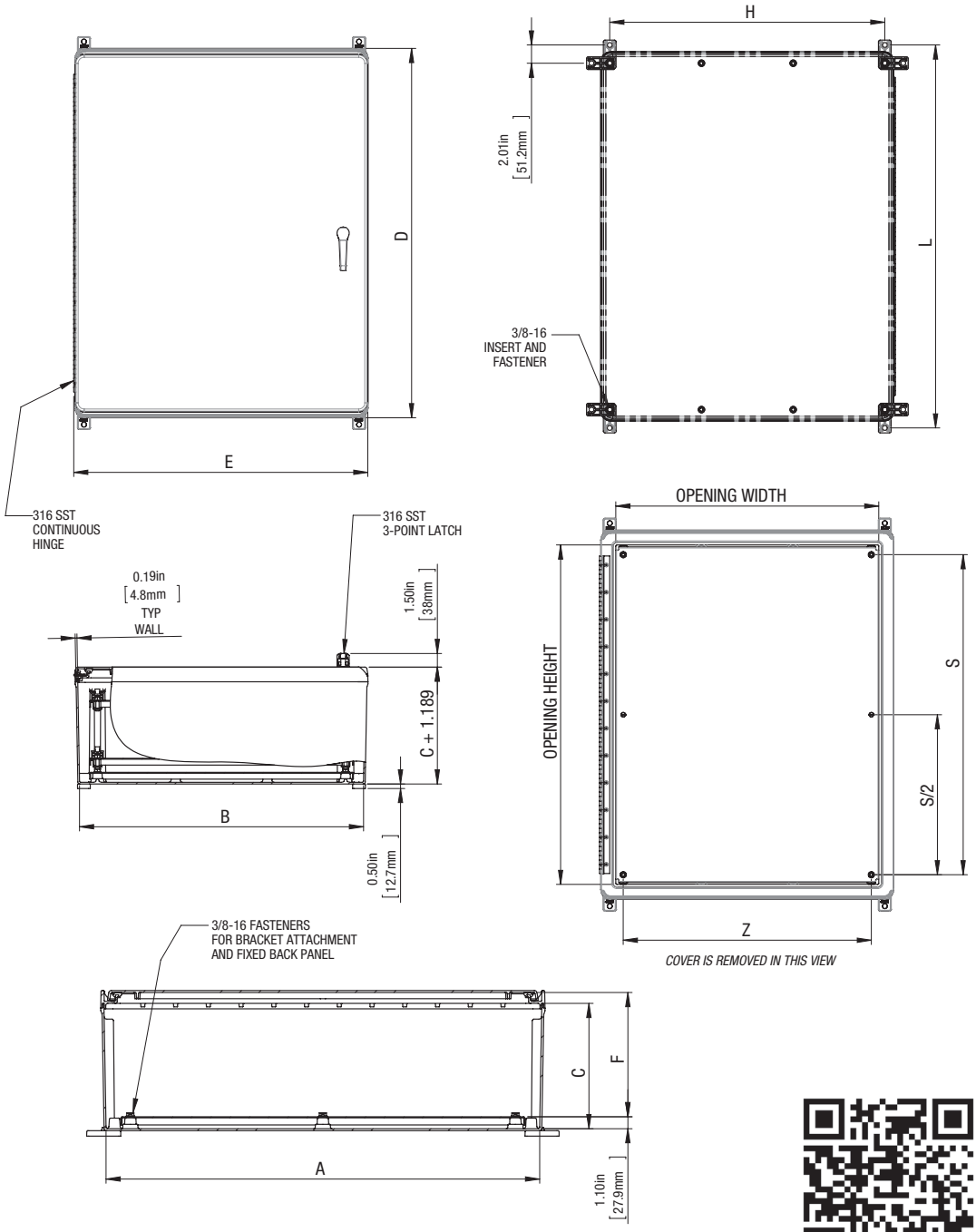
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

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

Accessories & Modifications

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



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

Scan to learn more

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

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

Data subject to change without notice

EMPIRE SERIES

FIBERGLASS

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

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

Scan to learn more

Empire Series Features & Benefits

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

Empire Series Specifications

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

Accessories

- Optional white painted carbon steel back panels
- ULTRAPLUG® hole plugs
- Pole mount kits
- HMI cover kits
- Inspection Windows

Modifications

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

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

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

www.alliedmoulded.com

Empire Series

WALL MOUNT ENCLOSURES

Cover Type

Solid/Opaque

Closure Type

Twist Latch Hinged Cover

Application

Designed to insulate and house electrical and electronic controls, instruments or components for indoor and outdoor applications

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

Standards

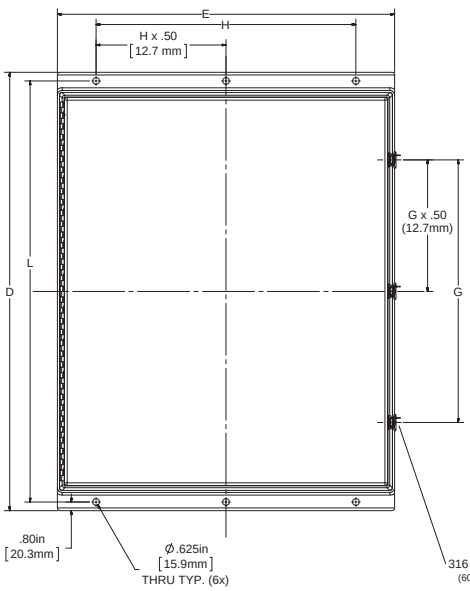
- UL 50 and UL 50E Types 1, 4, and 4X
- CSA C22.2 No. 94 Types 1, 4, and 4X
- Complies with:
  - NEMA Types 1, 4, and 4X
  - IEC 60529 Type IP66
  - RoHS directive

Construction

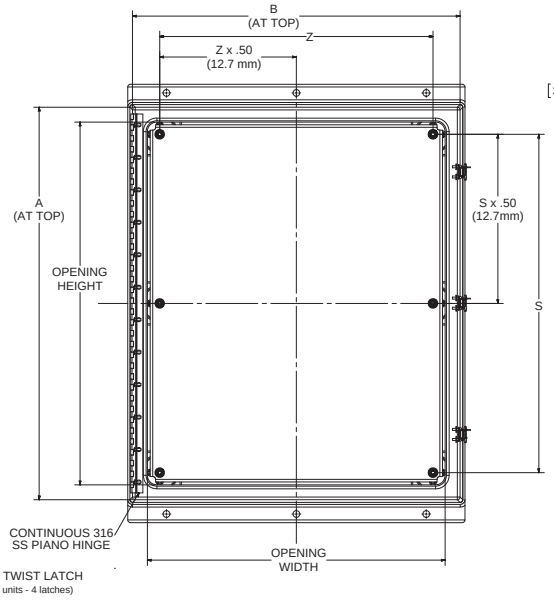
- Durable, corrosion resistant gel-coat fiberglass material construction
- Resin Transfer Molded (RTM) doors and box construction
- Molded-in mounting flanges
- Soft, self-gripping EPDM gasket, compresses over flange for tight seal
- 316 stainless steel twist latches with padlock hasp (.375" dia.)
-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

Accessories & Modifications

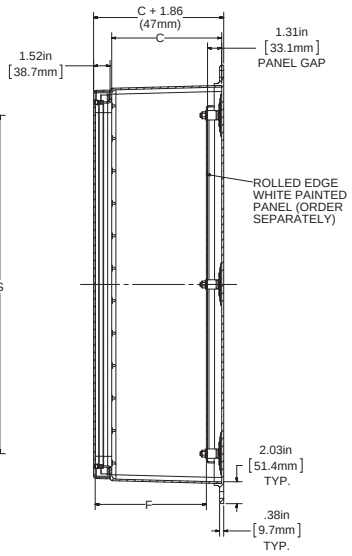
- Optional painted carbon steel back panels
- Custom size polycarbonate viewing windows
- HMI cover kits
- Inspection windows
- Optional print pocket



FRONT VIEW WITH COVER



FRONT VIEW WITH COVER REMOVED



SIDE CROSS SECTION VIEW

NOM. .150 (3.8 mm) WALL THICKNESS

LATCH LOCATIONS

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

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

All dimensions are in inches unless otherwise noted

Data subject to change without notice

Empire Series

WALL MOUNT ENCLOSURES

Cover Type

Solid/Opaque

Closure Type

3-Point Latch Hinged Cover

Application

Designed to insulate and house electrical and electronic controls, instruments or components for indoor and outdoor applications

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

Standards

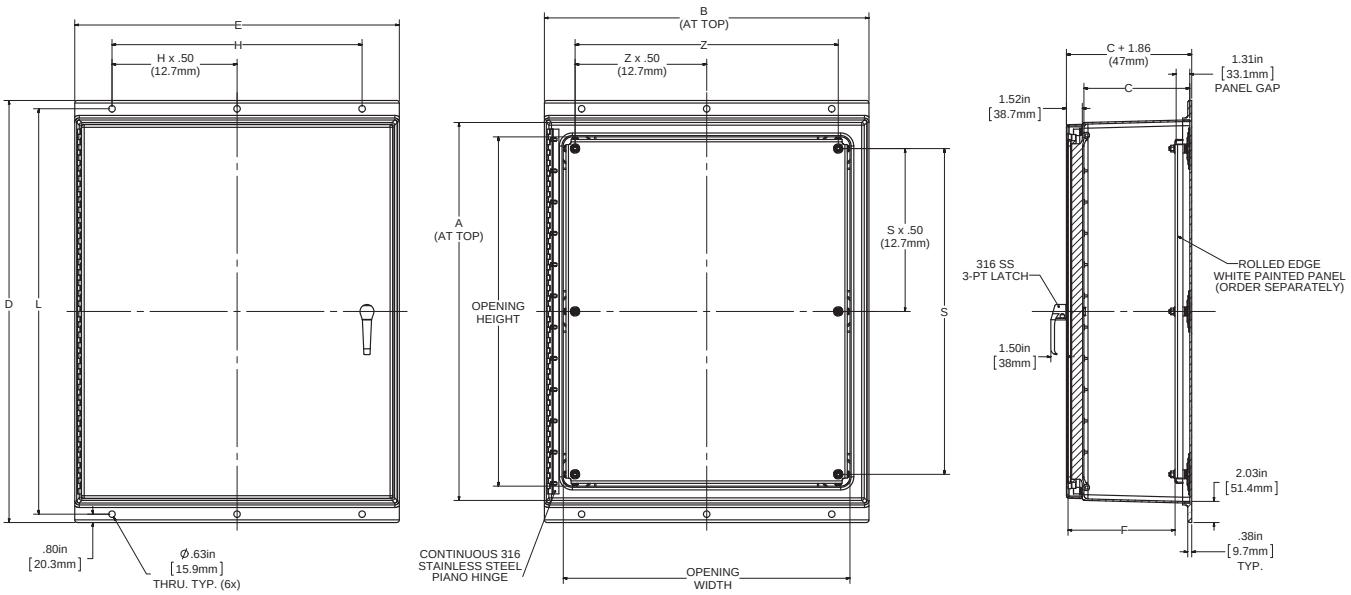
- UL 50 and UL 50E Types 1, 4, and 4X
- CSA C22.2 No. 94 Types 1, 4, and 4X
- Complies with:
  - NEMA Types 1, 4, and 4X
  - IEC 60529 Type IP66
  - RoHS directive

Construction

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

Accessories & Modifications

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



FRONT VIEW WITH COVER

FRONT VIEW WITH COVER REMOVED

SIDE VIEW

NOM. .150 (3.8mm) WALL THICKNESS

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

All dimensions are in inches unless otherwise noted

Data subject to change without notice

Empire Series

WALL MOUNT ENCLOSURES

Cover Type

Solid/Opaque / Viewing Window

Closure Type

Twist Latch Hinged Cover
3-Point Latch Hinged Cover

Application

Designed to insulate and house electrical and electronic controls, instruments or components for indoor and outdoor applications

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

Standards

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

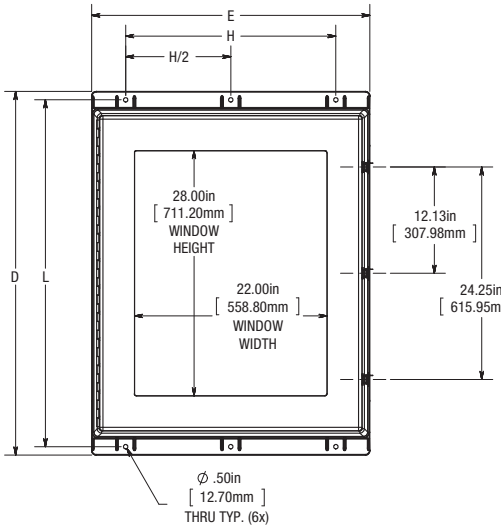
Scan to learn more

Construction

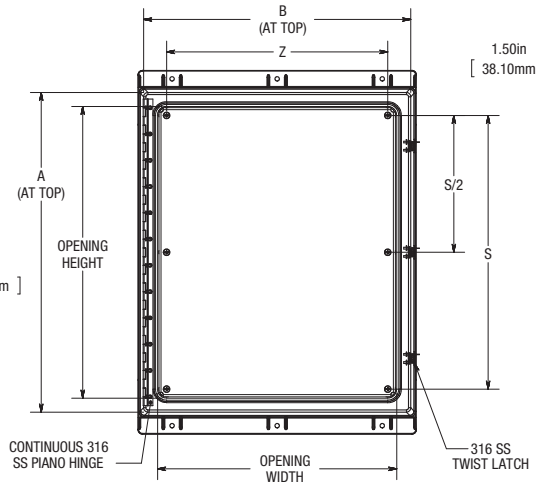
- Compression-molded cover and two piece box from ULTRAGUARD® material in standard light gray RAL 7035 color
- Optional 316 stainless steel twist latches (T) or 316 stainless steel 3-point latching handle (3PT)
- Formed-In-Place (FIP) polyurethane gasket system provides sealing means to meet IP66/NEMA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

Accessories & Modifications

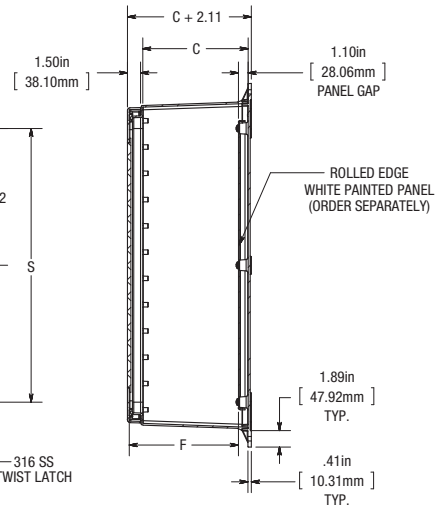
- Optional painted carbon steel back panels
- Custom size polycarbonate viewing windows
- HMI cover kits
- Inspection windows
- Optional print pocket



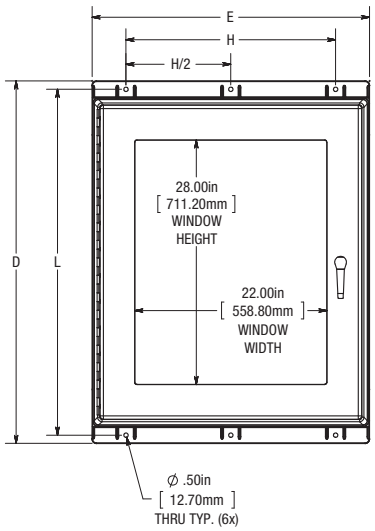
FRONT VIEW WITH COVER AND WINDOW OPTION



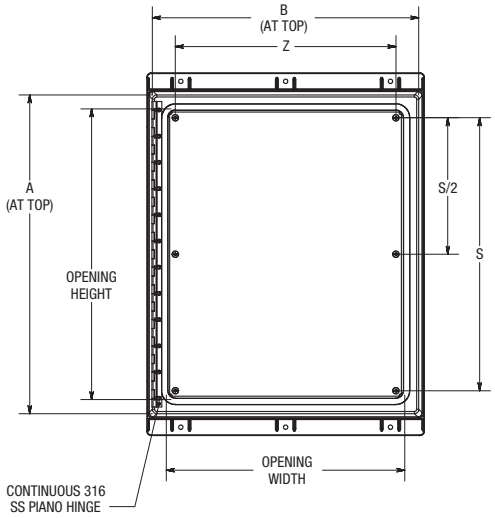
FRONT VIEW WITH COVER REMOVED



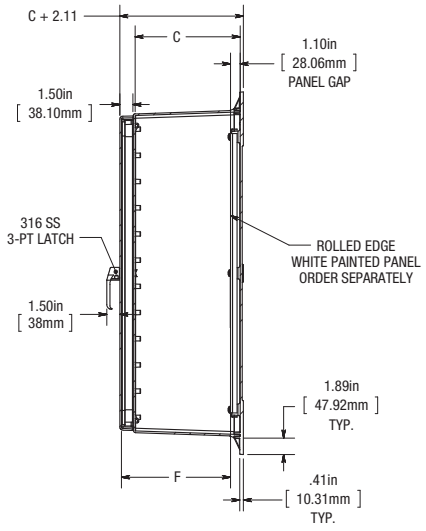
SIDE CROSS SECTION VIEW



FRONT VIEW WITH COVER REMOVED AND WINDOW OPTION



FRONT VIEW WITH COVER REMOVED



SIDE CROSS SECTION VIEW

Solid/Opaque

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

All dimensions are in inches unless otherwise noted

Data subject to change without notice

Viewing Window

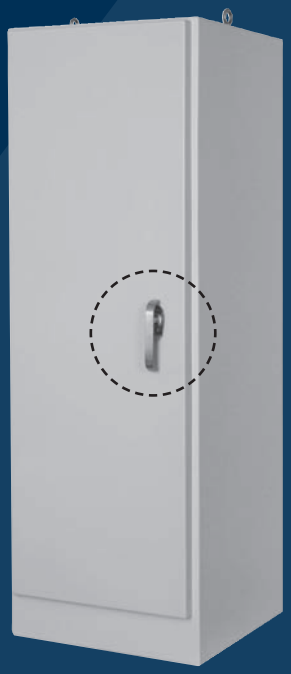
Part No.	Box Size At Top			Overall Box Dimensions		Usable Depth	Flange Mount		Opening		Panel Studs			Panel Size		
	A	B	C	D	E	F	H	L	Ht.	Wid.	Studs	S	Z	Ht.	Wid.	P/N
AMEC363012TW	36.50	30.50	12.03	41.50	31.76	12.48	24.00	39.60	33.30	27.30	6	31.25	25.25	33.00	27.00	P3630CS
AMEC3630123PTW	927mm	775mm	306mm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

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

Data subject to change without notice

Empire Series

FREE STANDING SINGLE DOOR



Cover Type

Solid/Opaque

Closure Type

3-Point Latch Hinged Cover

Application

Designed to insulate and house electrical and electronic controls, instruments or components for indoor and outdoor applications

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

Standards

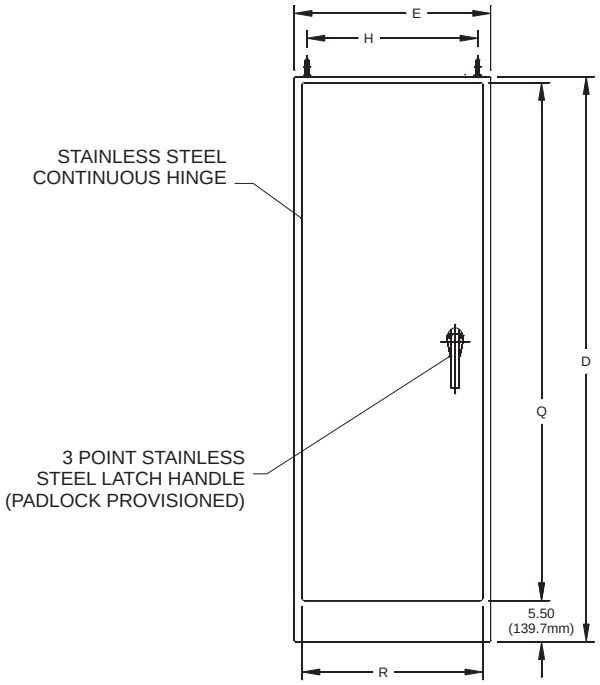
- UL 50 and UL 50E Types 1, 4, and 4X
- CSA C22.2 No. 94 Types 1, 4, and 4X
- Complies with:
  - NEMA Types 1, 4, and 4X
  - IEC 60529 Type IP66
  - RoHS directive

Construction

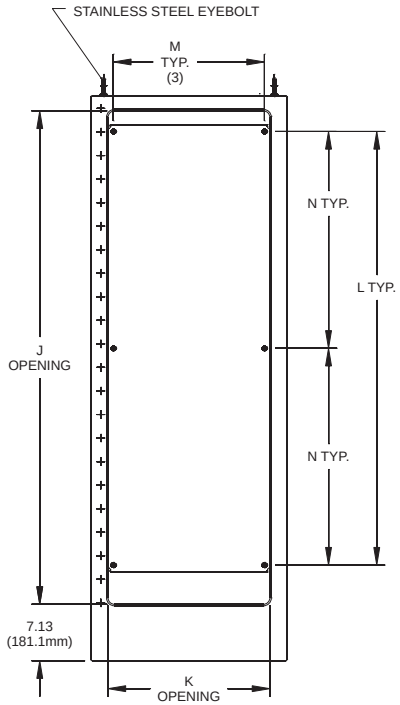
- Durable, corrosion resistant gel-coat fiberglass material construction
- Resin Transfer Molded (RTM) doors and box construction
- Soft, self-gripping EPDM gasket, compresses over flange for tight seal
- One 316 stainless steel 3-point latching handle with padlock provision
- Heavy-duty continuous 316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

Accessories & Modifications

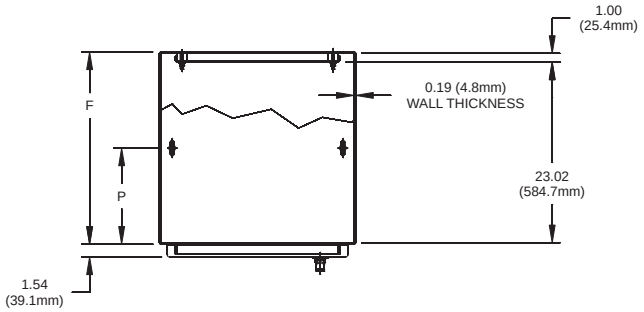
- Optional painted carbon steel back panels
- Custom size polycarbonate viewing windows
- HMI cover kits
- Inspection windows
- Optional print pocket



FRONT VIEW WITH DOOR



FRONT VIEW WITH DOOR REMOVED



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

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

All dimensions are in inches unless otherwise noted

Data subject to change without notice

Empire Series

FREE STANDING DOUBLE DOOR

Cover Type

Solid/Opaque

Closure Type

3-Point Latch Hinged Cover

Application

Designed to insulate and house electrical and electronic controls, instruments or components for indoor and outdoor applications

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

Standards

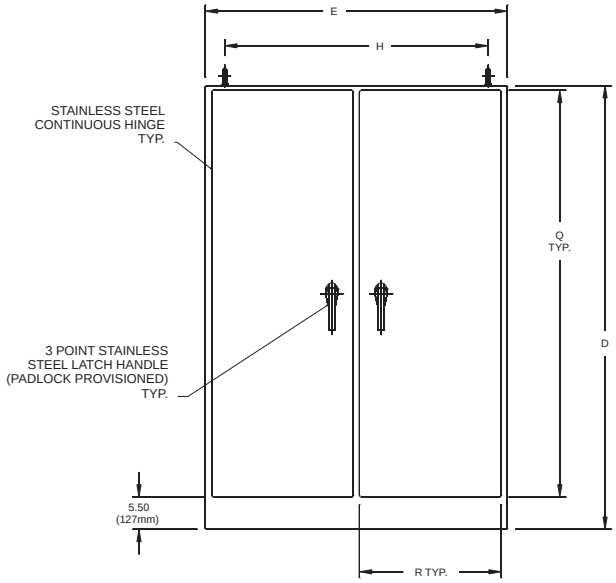
- UL 50 and UL 50E Types 1, 4, and 4X
- CSA C22.2 No. 94 Types 1, 4, and 4X
- Complies with:
  - NEMA Types 1, 4, and 4X
  - IEC 60529 Type IP66
  - RoHS directive

Construction

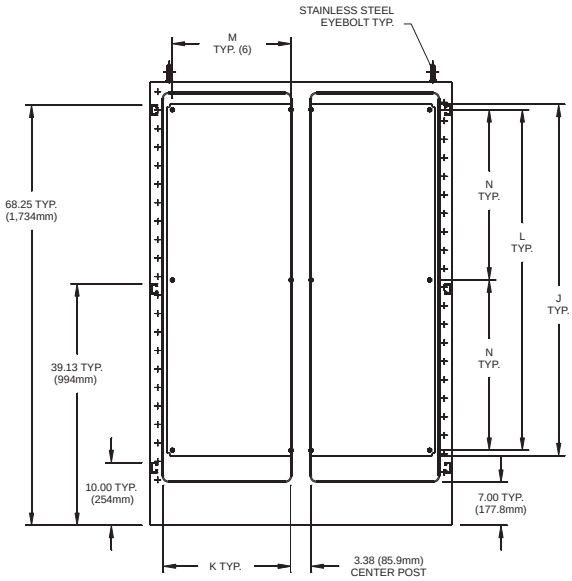
- Durable, corrosion resistant gel-coat fiberglass material construction
- Resin Transfer Molded (RTM) doors and hand-layup box construction
- Soft, self-gripping EPDM gasket, compresses over flange for tight seal
- Two 316 stainless steel 3-point latching handles with padlock provision
- Heavy-duty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

Accessories & Modifications

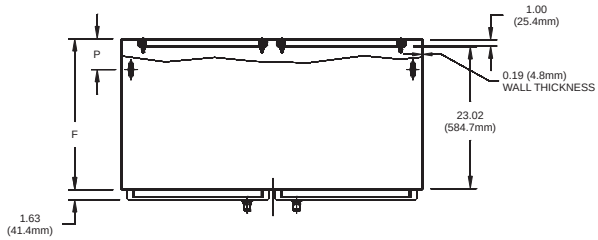
- Optional painted carbon steel back panels
- Custom size polycarbonate viewing windows
- HMI cover kits
- Inspection windows
- Optional print pocket



FRONT VIEW WITH DOORS



FRONT VIEW WITH DOORS REMOVED



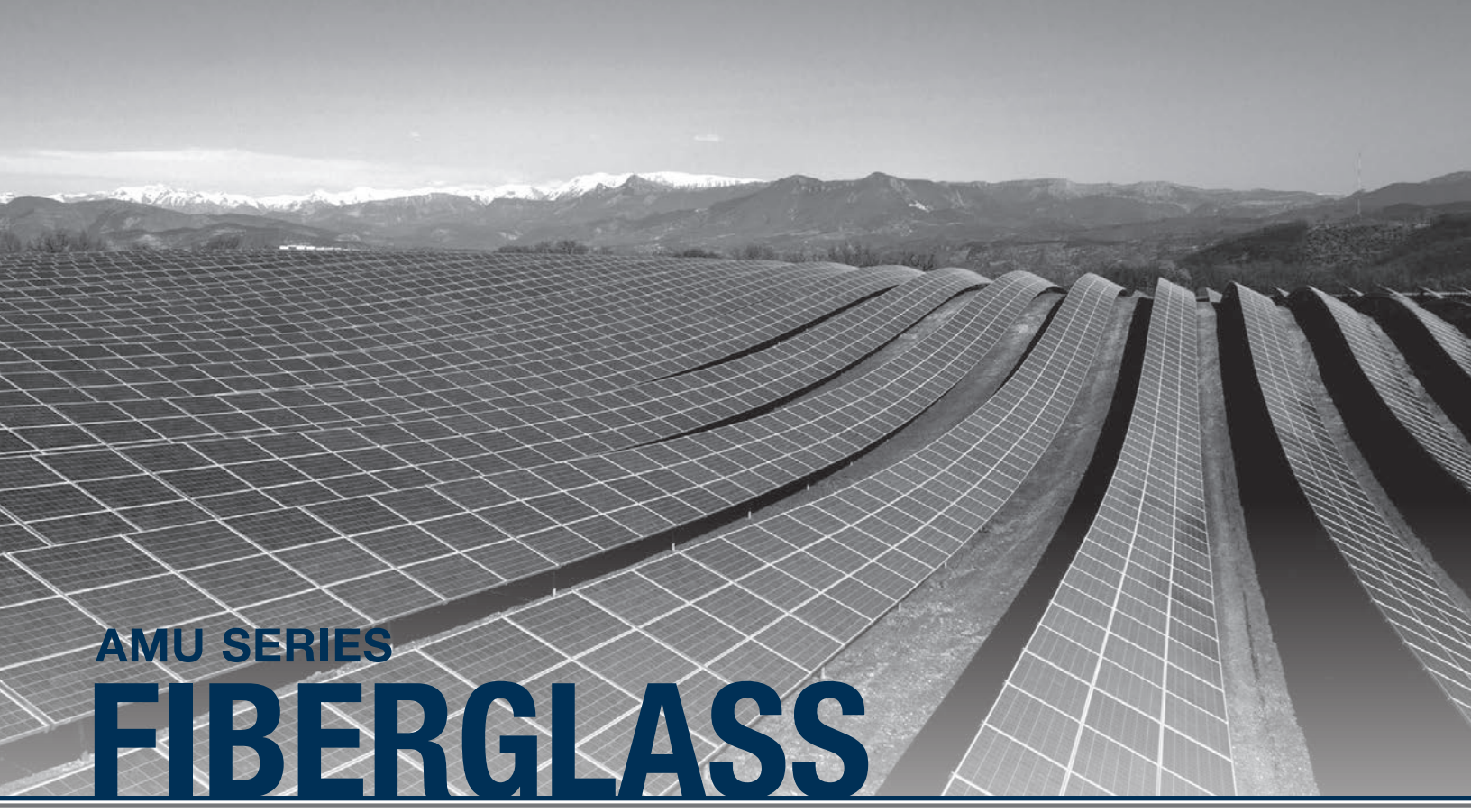
Optional Carbon Steel Back Panel		
Part No.	Height	Width
*P7249CS	57.00	21.00
	1448mm	533mm

*Note: Consists of two separate panels

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

All dimensions are in inches unless otherwise noted

Data subject to change without notice



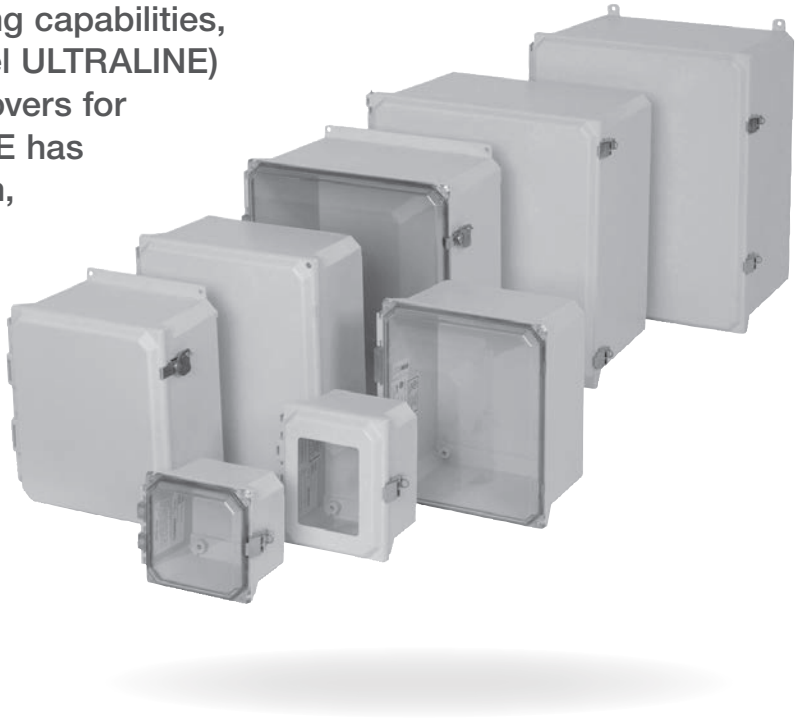
AMU SERIES

FIBERGLASS

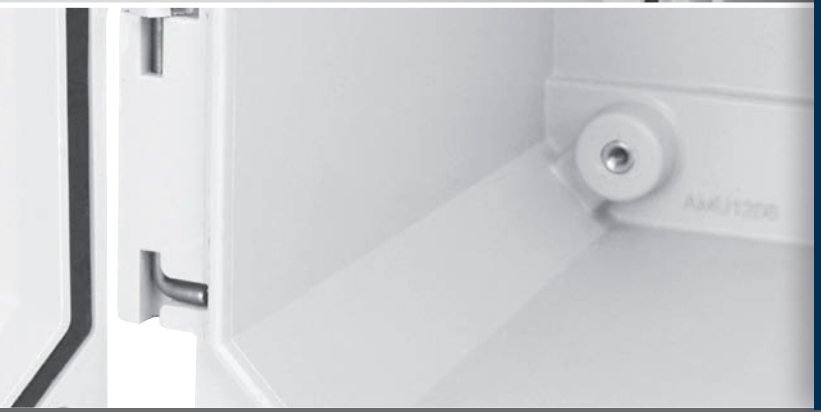
ULTRALINE®

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

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



Scan to learn more



AMU Series Features & Benefits

- Molded ULTRAGUARD® fiberglass reinforced polyester (FRP) material construction for durability
- Cover to base design - flush, aesthetically pleasing and more modern architecture
- Patented (US Pat. No. 7,572,975) multi-mounting capability
  - Out-of-the-box polycarbonate flange design (factory installed)
  - Optional polycarbonate foot mount brackets for multi-directional mounting (vertical or horizontal positioning)
  - 316 stainless steel foot/flange mounting screws
- Solid opaque or clear polycarbonate cover options
- Partial molded hinges with 316 stainless steel secure hinge pin – no wall penetrations
- Formed-In-Place (FIP) polyurethane gasket system
- Mounting panel inserts for optional back panel
- UV stabilized for outdoor use

AMU Series Specifications

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

Accessories

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

Modifications

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

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

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

AMU Series

JIC SIZE JUNCTION BOXES

Cover Type

Solid/Opaque

Closure Type

Lift-Off Screw Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

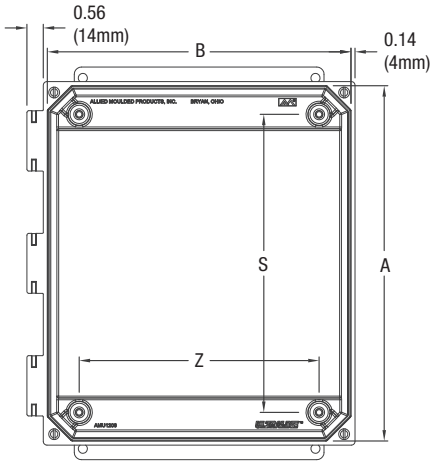
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 6P, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 6P, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 6P, 12 and 13
  - IEC 60529 Type IP68 submersible up to 24 hours at a depth of 6 feet (1.8 meters)
  - RoHS directive

Construction

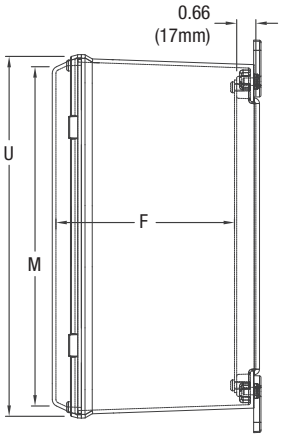
- Compression molded fiberglass reinforced polyester construction with flush, solid/opaque cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Opaque cover, base, feet, flanges — Light gray color (RAL 7035)
  Note: foot models mounting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

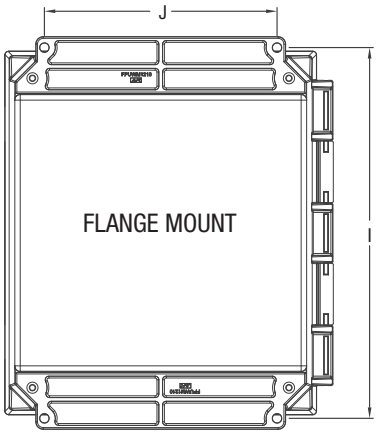
Accessories & Modifications

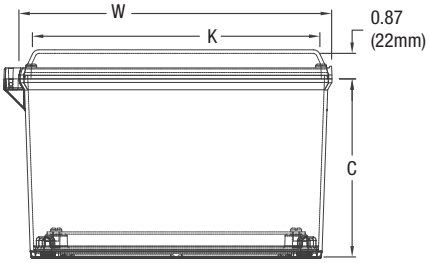
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening

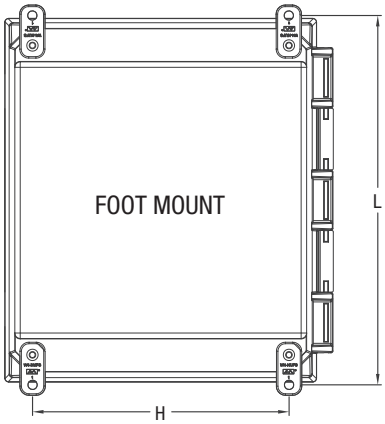


Note: Cover Removed for Clarity









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

Part No.	Box Size			Usable Depth	Panel Boss Centers		Back Panel Size			Flange Mount Centers		Foot Mount Centers		Cover Size			
	A	B	C	F	S	Z	Ht.	Wid.	P/N	J	I	H	L	K	M	W	U
AMU664 AMU664F	6.04	6.26	4.12	4.09	4.25	4.25	4.81	4.81	PL66 PLA66	4.00	6.88, 6.75	4.91	6.75	5.70	5.53	6.72	6.50
	153mm	159mm	105mm	103mm	108mm	108mm	122mm	122mm		102mm	175, 171mm	125mm	171mm	145mm	140mm	171mm	165mm
AMU864 AMU864F	8.06	6.28	4.13	4.11	6.25	4.25	6.75	4.88	PL86 PLA86	4.00	8.88, 8.75	4.91	8.75	5.75	7.53	6.72	8.50
	205mm	160mm	105mm	104mm	159mm	108mm	171mm	124mm		102mm	222, 226mm	125mm	222mm	146mm	191mm	171mm	216mm
AMU1084 AMU1084F	10.05	8.27	4.13	4.12	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.53	8.72	10.50
	255mm	210mm	105mm	105mm	210mm	159mm	222mm	175mm		152mm	273mm	176mm	273mm	197mm	242mm	221mm	267mm
★ AMU1086 AMU1086F	10.04	8.26	6.13	6.10	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.53	8.72	10.50
	255mm	210mm	156mm	155mm	210mm	159mm	222mm	175mm		152mm	273mm	175mm	273mm	197mm	242mm	221mm	267mm
AMU1206 AMU1206F	12.05	10.27	6.13	6.12	10.25	8.25	10.75	8.88	PL120 PLA120	8.00	12.75	8.82	12.70	9.75	11.53	10.72	12.50
	306mm	261mm	156mm	155mm	260mm	210mm	273mm	226mm		203mm	324mm	224mm	323mm	248mm	293mm	272mm	318mm
AMU1426 AMU1426F	14.05	12.27	6.13	6.11	12.25	10.25	12.75	10.88	PL142 PLA142	10.01	14.75, 14.62	10.82	14.70	11.75	13.53	12.72	14.50
	357mm	312mm	156mm	155mm	311mm	260mm	324mm	276mm		254mm	375, 371mm	275mm	373mm	298mm	344mm	323mm	368mm
AMU1648 AMU1648F	16.05	14.27	8.14	8.09	14.25	12.25	14.75	12.88	P164 PA164	12.00	16.75	11.47	16.91	13.75	15.53	14.72	16.50
	408mm	362mm	207mm	205mm	362mm	311mm	375mm	327mm		305mm	425mm	291mm	430mm	349mm	394mm	374mm	419mm
AMU1860 AMU1860F	18.12	16.34	10.13	10.10	16.26	14.25	16.88	14.88	P186 PA186	12.00	18.88, 18.76	13.72	19.16	15.75	17.78	16.97	18.75
	460mm	415mm	257mm	257mm	413mm	362mm	429mm	378mm		305mm	480, 477mm	348mm	487mm	400mm	452mm	431mm	476mm
AMU2060 AMU2060F	19.87	16.09	10.14	10.09	17.81	13.81	18.44	14.44	P206 PA206	10.00	21.28	13.16	20.53	15.75	19.53	16.72	20.50
	505mm	409mm	257mm	256mm	452mm	351mm	468mm	367mm		254mm	541mm	334mm	521mm	400mm	496mm	425mm	521mm

All dimensions are in inches unless otherwise noted
"I" dimensions with multiple numbers indicate slotted holes
All sizes 6" x 6" x 4" up through 20" x 16" x 10" are rated 6P (IP68)
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMU664)
Part numbers with "F" signify factory installed flanges (ex. AMU664F)
Additional back panels found on page 128
★Coming soon!

Data subject to change without notice

AMU Series

JIC SIZE JUNCTION BOXES

Cover Type

Viewing Window

Closure Type

Lift-Off Screw Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

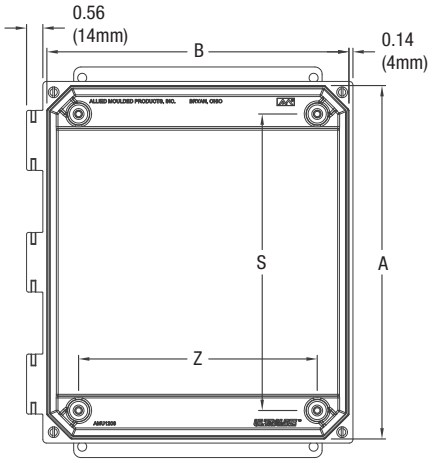
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

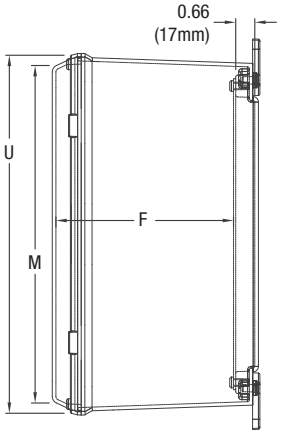
Construction

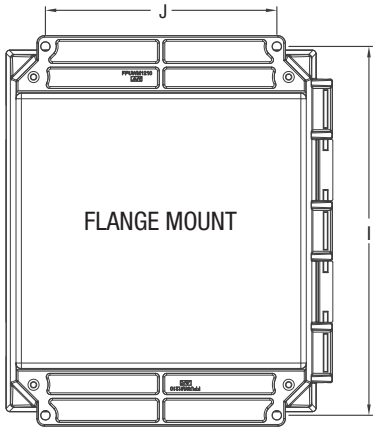
- Compression molded fiberglass reinforced polyester construction with flush, polycarbonate viewing window cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Opaque cover, base, feet, flanges — Light gray color (RAL 7035)
  Note: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

Accessories & Modifications

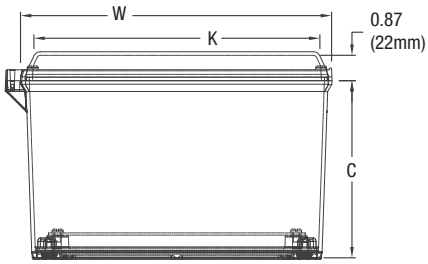
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening

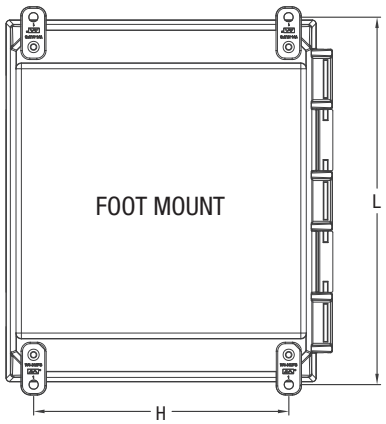






Note: Cover Removed for Clarity





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

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

All dimensions are in inches unless otherwise noted
"I" dimensions with multiple numbers indicate slotted holes
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMU664W)
Part numbers with "F" signify factory installed flanges (ex. AMU664WF)
Additional back panels found on page 128
★Coming soon!

Data subject to change without notice

AMU Series

JIC SIZE JUNCTION BOXES

Cover Type

Clear Polycarbonate

Closure Type

Lift-Off Screw Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

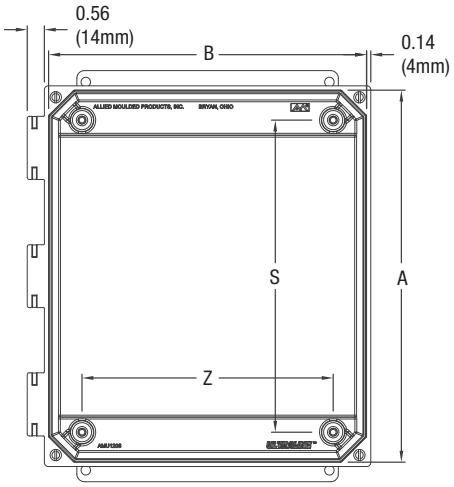
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 6P, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 6P, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 6P, 12 and 13
  - IEC 60529 Type IP68 submersible up to 24 hours at a depth of 6 feet (1.8 meters)
  - RoHS directive

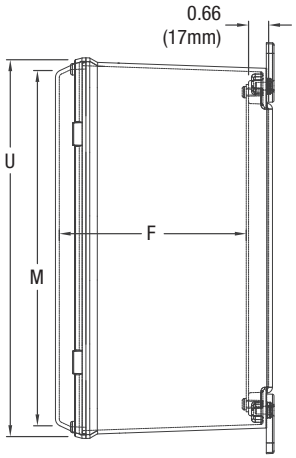
Construction

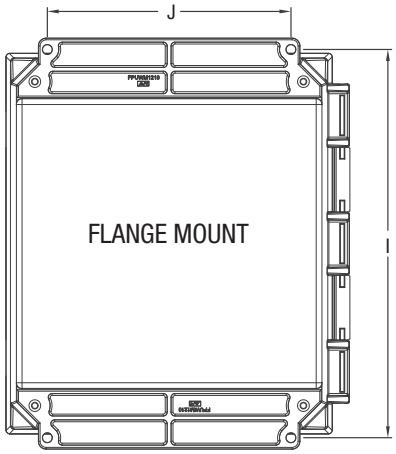
- Compression molded fiberglass reinforced polyester construction with flush, clear polycarbonate cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Enclosure base, feet, flanges — Light gray color (RAL 7035)
  Note: foot models mounting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

Accessories & Modifications

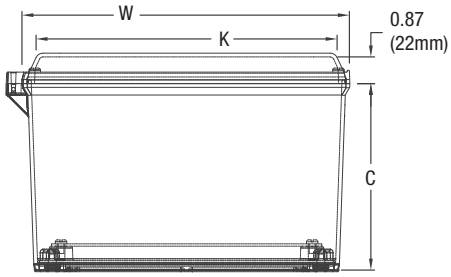
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening

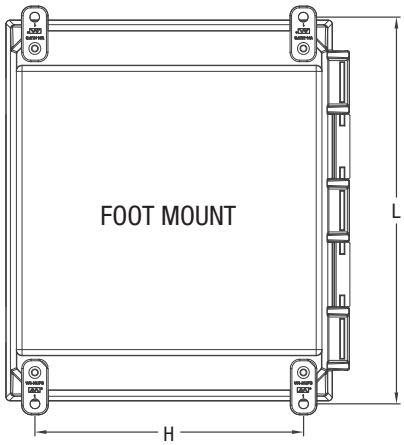






Note: Cover Removed for Clarity





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

Part No.	Box Size			Usable Depth	Panel Boss Centers		Back Panel Size			Flange Mount Centers		Foot Mount Centers		Cover Size			
	A	B	C	F	S	Z	Ht.	Wid.	P/N	J	I	H	L	K	M	W	U
AMU664CC AMU664CCF	6.04	6.26	4.12	4.09	4.25	4.25	4.81	4.81	PL66 PLA66	4.00	6.88, 6.75	4.91	6.75	5.70	5.53	6.72	6.50
	153mm	159mm	105mm	103mm	108mm	108mm	122mm	122mm		102mm	175, 171mm	125mm	171mm	145mm	140mm	171mm	165mm
AMU864CC AMU864CCF	8.06	6.28	4.13	4.11	6.25	4.25	6.75	4.88	PL86 PLA86	4.00	8.88, 8.75	4.91	8.75	5.75	7.53	6.72	8.50
	205mm	160mm	105mm	104mm	159mm	108mm	171mm	124mm		102mm	222, 226mm	125mm	222mm	146mm	191mm	171mm	216mm
AMU1084CC AMU1084CCF	10.05	8.27	4.13	4.12	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.53	8.72	10.50
	255mm	210mm	105mm	105mm	210mm	159mm	222mm	175mm		152mm	273mm	176mm	273mm	197mm	242mm	221mm	267mm
★AMU1086CC AMU1086CCF	10.04	8.26	6.13	6.10	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.53	8.72	10.50
	255mm	210mm	156mm	155mm	210mm	159mm	222mm	175mm		152mm	273mm	175mm	273mm	197mm	242mm	221mm	267mm
AMU1206CC AMU1206CCF	12.05	10.27	6.13	6.12	10.25	8.25	10.75	8.88	PL120 PLA120	8.00	12.75	8.82	12.70	9.75	11.53	10.72	12.50
	306mm	261mm	156mm	155mm	260mm	210mm	273mm	226mm		203mm	324mm	224mm	323mm	248mm	293mm	272mm	318mm
AMU1426CC AMU1426CCF	14.05	12.27	6.13	6.11	12.25	10.25	12.75	10.88	PL142 PLA142	10.01	14.75, 14.62	10.82	14.70	11.75	13.53	12.72	14.50
	357mm	312mm	156mm	155mm	311mm	260mm	324mm	276mm		254mm	375, 371mm	275mm	373mm	298mm	344mm	323mm	368mm
AMU1648CC AMU1648CCF	16.05	14.27	8.14	8.09	14.25	12.25	14.75	12.88	P164 PA164	12.00	16.75	11.47	16.91	13.75	15.53	14.72	16.50
	408mm	362mm	207mm	205mm	362mm	311mm	375mm	327mm		305mm	425mm	291mm	430mm	349mm	394mm	374mm	419mm
★AMU2060CC AMU2060CCF	19.87	16.09	10.14	10.09	17.81	13.81	18.44	14.44	P206 PA206	10.00	21.28	13.16	20.53	15.75	19.53	16.72	20.50
	505mm	409mm	257mm	256mm	452mm	351mm	468mm	367mm		254mm	541mm	334mm	521mm	400mm	496mm	425mm	521mm

All dimensions are in inches unless otherwise noted
"I" dimensions with multiple numbers indicate slotted holes
All sizes 6" x 6" x 4" up through 20" x 16" x 10" are rated 6P (IP68)
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMU664CC)
Part numbers with "F" signify factory installed flanges (ex. AMU664CCF)
Additional back panels found on page 128
★Coming soon!

Data subject to change without notice

AMU Series

JIC SIZE JUNCTION BOXES

Cover Type

Solid/Opaque

Closure Type

Hinged Screw Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

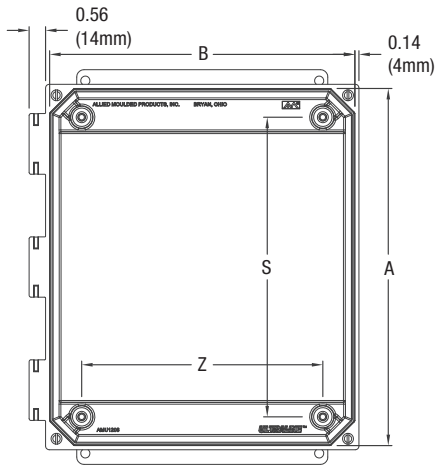
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

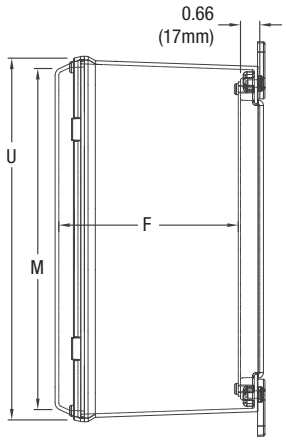
Construction

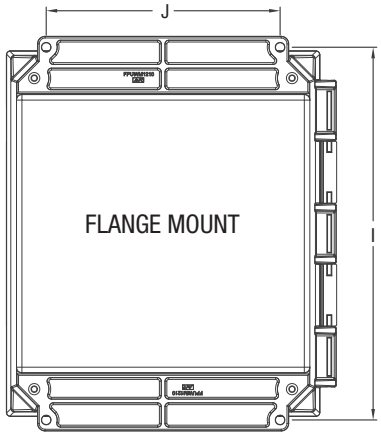
- Compression molded fiberglass reinforced polyester construction with flush, solid/opaque cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Opaque cover, base, feet, flanges — Light gray color (RAL 7035)
  Note: foot models mounting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

Accessories & Modifications

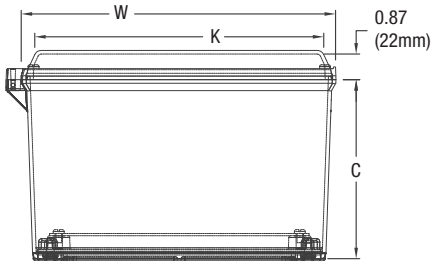
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening

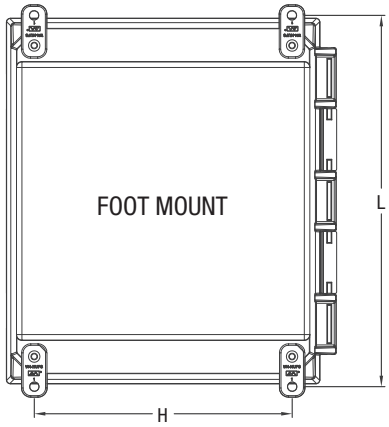






Note: Cover Removed for Clarity





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

Part No.	Box Size			Usable Depth	Panel Boss Centers		Back Panel Size			Flange Mount Centers		Foot Mount Centers		Cover Size			
	A	B	C	F	S	Z	Ht.	Wid.	P/N	J	I	H	L	K	M	W	U
AMU664H AMU664HF	6.04	6.26	4.12	4.09	4.25	4.25	4.81	4.81	PL66 PLA66	4.00	6.88, 6.75	4.91	6.75	5.70	5.53	6.72	6.50
	153mm	159mm	105mm	103mm	108mm	108mm	122mm	122mm		102mm	175, 171mm	125mm	171mm	145mm	140mm	171mm	165mm
AMU864H AMU864HF	8.06	6.28	4.13	4.11	6.25	4.25	6.75	4.88	PL86 PLA86	4.00	8.88, 8.75	4.91	8.75	5.75	7.53	6.72	8.50
	205mm	160mm	105mm	104mm	159mm	108mm	171mm	124mm		102mm	222, 226mm	125mm	222mm	146mm	191mm	171mm	216mm
AMU1084H AMU1084HF	10.05	8.27	4.13	4.12	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.53	8.72	10.50
	255mm	210mm	105mm	105mm	210mm	159mm	222mm	175mm		152mm	273mm	176mm	273mm	197mm	242mm	221mm	267mm
★ AMU1086H AMU1086HF	10.04	8.26	6.13	6.10	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.53	8.72	10.50
	255mm	210mm	156mm	155mm	210mm	159mm	222mm	175mm		152mm	273mm	175mm	273mm	197mm	242mm	221mm	267mm
AMU1206H AMU1206HF	12.05	10.27	6.13	6.12	10.25	8.25	10.75	8.88	PL120 PLA120	8.00	12.75	8.82	12.70	9.75	11.53	10.72	12.50
	306mm	261mm	156mm	155mm	260mm	210mm	273mm	226mm		203mm	324mm	224mm	323mm	248mm	293mm	272mm	318mm
AMU1426H AMU1426HF	14.05	12.27	6.13	6.11	12.25	10.25	12.75	10.88	PL142 PLA142	10.01	14.75, 14.62	10.82	14.70	11.75	13.53	12.72	14.50
	357mm	312mm	156mm	155mm	311mm	260mm	324mm	276mm		254mm	375, 371mm	275mm	373mm	298mm	344mm	323mm	368mm
AMU1648H AMU1648HF	16.05	14.27	8.14	8.09	14.25	12.25	14.75	12.88	P164 PA164	12.00	16.75	11.47	16.91	13.75	15.53	14.72	16.50
	408mm	362mm	207mm	205mm	362mm	311mm	375mm	327mm		305mm	425mm	291mm	430mm	349mm	394mm	374mm	419mm
AMU1860H AMU1860HF	18.12	16.34	10.13	10.10	16.26	14.25	16.88	14.88	P186 PA186	12.00	18.88, 18.76	13.72	19.16	15.75	17.78	16.97	18.75
	460mm	415mm	257mm	257mm	413mm	362mm	429mm	378mm		305mm	480, 477mm	348mm	487mm	400mm	452mm	431mm	476mm
AMU2060H AMU2060HF	19.87	16.09	10.14	10.09	17.81	13.81	18.44	14.44	P206 PA206	10.00	21.28	13.16	20.53	15.75	19.53	16.72	20.50
	505mm	409mm	257mm	256mm	452mm	351mm	468mm	367mm		254mm	541mm	334mm	521mm	400mm	496mm	425mm	521mm

All dimensions are in inches unless otherwise noted
"I" dimensions with multiple numbers indicate slotted holes
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMU664H)
Part numbers with "F" signify factory installed flanges (ex. AMU664HF)
Additional back panels found on page 128
★Coming soon!

Data subject to change without notice

AMU Series

JIC SIZE JUNCTION BOXES

Cover Type

Viewing Window

Closure Type

Hinged Screw Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

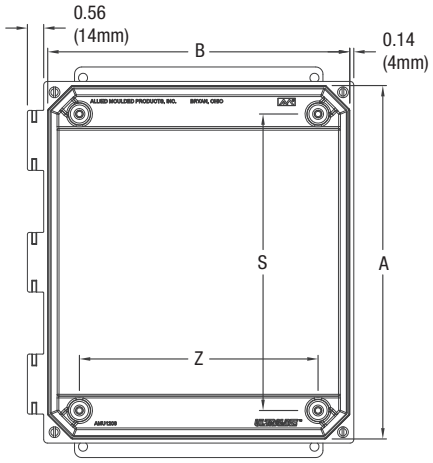
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

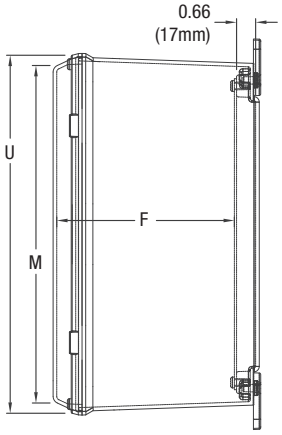
Construction

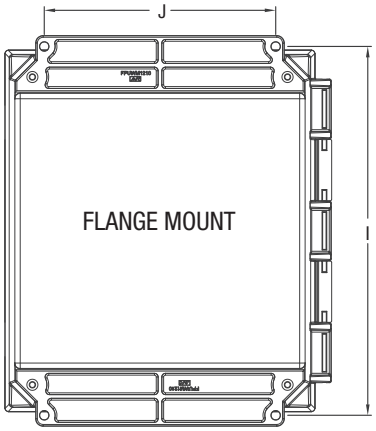
- Compression molded fiberglass reinforced polyester construction with flush, polycarbonate viewing window cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Opaque cover, base, feet, flanges — Light gray color (RAL 7035)
  Note: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

Accessories & Modifications

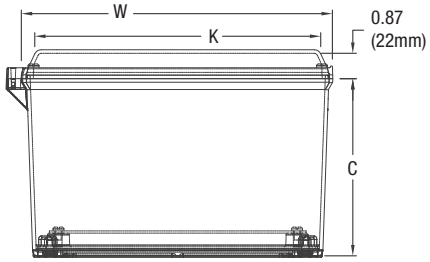
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening

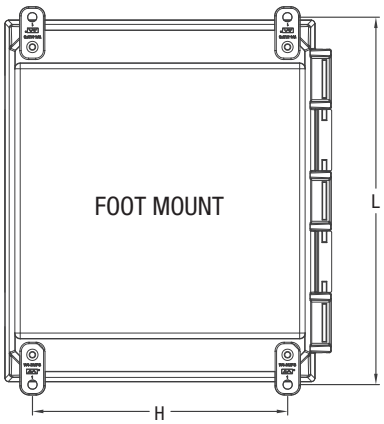






Note: Cover Removed for Clarity





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

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

All dimensions are in inches unless otherwise noted
"I" dimensions with multiple numbers indicate slotted holes
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMU664HW)
Part numbers with "F" signify factory installed flanges (ex. AMU664HWF)
Additional back panels found on page 128
★Coming soon!

Data subject to change without notice

AMU Series

JIC SIZE JUNCTION BOXES

Cover Type

Clear Polycarbonate

Closure Type

Hinged Screw Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

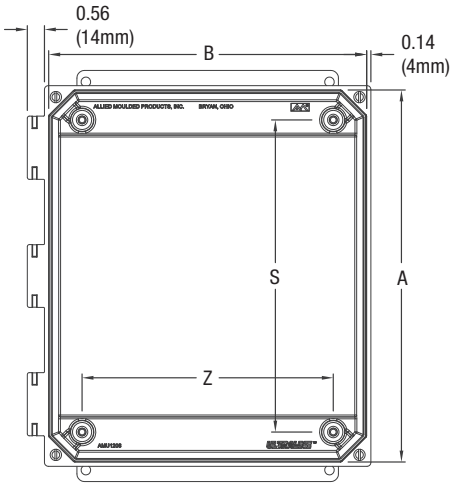
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

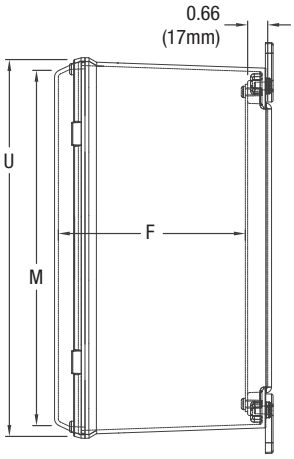
Construction

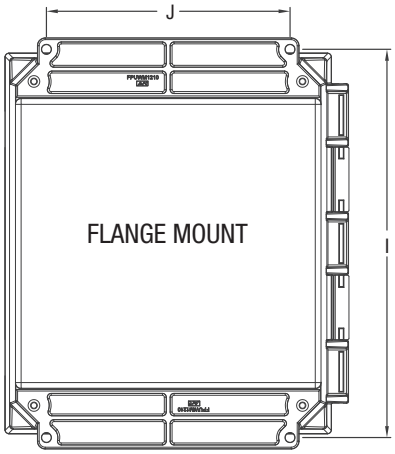
- Compression molded fiberglass reinforced polyester construction with flush, clear polycarbonate cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Enclosure base, feet, flanges — Light gray color (RAL 7035)
  Note: foot models mounting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

Accessories & Modifications

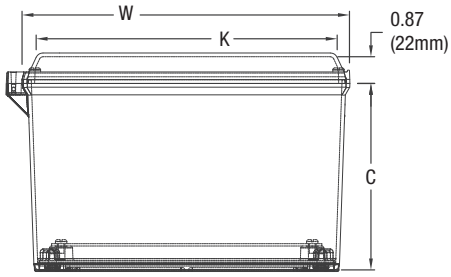
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening

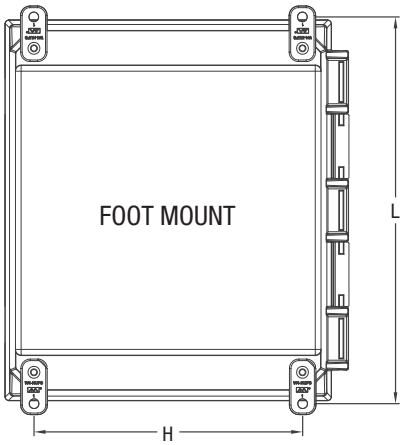






Note: Cover Removed for Clarity





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

Part No.	Box Size			Usable Depth	Panel Boss Centers		Back Panel Size			Flange Mount Centers		Foot Mount Centers		Cover Size			
	A	B	C	F	S	Z	Ht.	Wid.	P/N	J	I	H	L	K	M	W	U
AMU664CCH AMU664CCHF	6.04	6.26	4.12	4.09	4.25	4.25	4.81	4.81	PL66 PLA66	4.00	6.88, 6.75	4.91	6.75	5.70	5.53	6.72	6.50
	153mm	159mm	105mm	103mm	108mm	108mm	122mm	122mm		102mm	175, 171mm	125mm	171mm	145mm	140mm	171mm	165mm
AMU864CCH AMU864CCHF	8.06	6.28	4.13	4.11	6.25	4.25	6.75	4.88	PL86 PLA86	4.00	8.88, 8.75	4.91	8.75	5.75	7.53	6.72	8.50
	205mm	160mm	105mm	104mm	159mm	108mm	171mm	124mm		102mm	222, 226mm	125mm	222mm	146mm	191mm	171mm	216mm
★AMU1084CCH AMU1084CCHF	10.05	8.27	4.13	4.12	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.53	8.72	10.50
	255mm	210mm	105mm	105mm	210mm	159mm	222mm	175mm		152mm	273mm	176mm	273mm	197mm	242mm	221mm	267mm
AMU1086CCH AMU1086CCHF	10.04	8.26	6.13	6.10	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.53	8.72	10.50
	255mm	210mm	156mm	155mm	210mm	159mm	222mm	175mm		152mm	273mm	175mm	273mm	197mm	242mm	221mm	267mm
AMU1206CCH AMU1206CCHF	12.05	10.27	6.13	6.12	10.25	8.25	10.75	8.88	PL120 PLA120	8.00	12.75	8.82	12.70	9.75	11.53	10.72	12.50
	306mm	261mm	156mm	155mm	260mm	210mm	273mm	226mm		203mm	324mm	224mm	323mm	248mm	293mm	272mm	318mm
AMU1426CCH AMU1426CCHF	14.05	12.27	6.13	6.11	12.25	10.25	12.75	10.88	PL142 PLA142	10.01	14.75, 14.62	10.82	14.70	11.75	13.53	12.72	14.50
	357mm	312mm	156mm	155mm	311mm	260mm	324mm	276mm		254mm	375, 371mm	275mm	373mm	298mm	344mm	323mm	368mm
AMU1648CCH AMU1648CCHF	16.05	14.27	8.14	8.09	14.25	12.25	14.75	12.88	P164 PA164	12.00	16.75	11.47	16.91	13.75	15.53	14.72	16.50
	408mm	362mm	207mm	205mm	362mm	311mm	375mm	327mm		305mm	425mm	291mm	430mm	349mm	394mm	374mm	419mm
★AMU2060CCH AMU2060CCHF	19.87	16.09	10.14	10.09	17.81	13.81	18.44	14.44	P206 PA206	10.00	21.28	13.16	20.53	15.75	19.53	16.72	20.50
	505mm	409mm	257mm	256mm	452mm	351mm	468mm	367mm		254mm	541mm	334mm	521mm	400mm	496mm	425mm	521mm

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

AMU Series

JIC SIZE JUNCTION BOXES

Cover Type

Solid/Opaque

Closure Type

Snap Latch Hinged Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

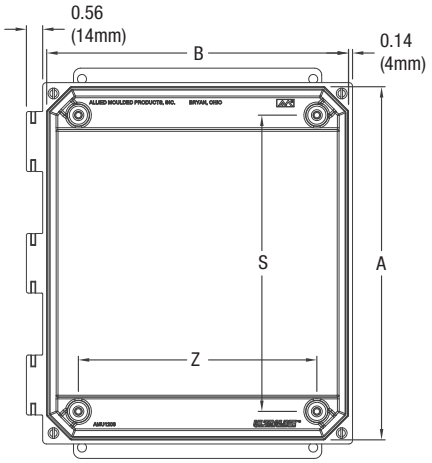
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

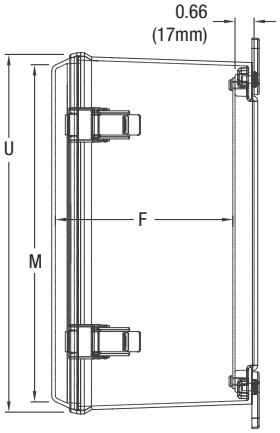
Construction

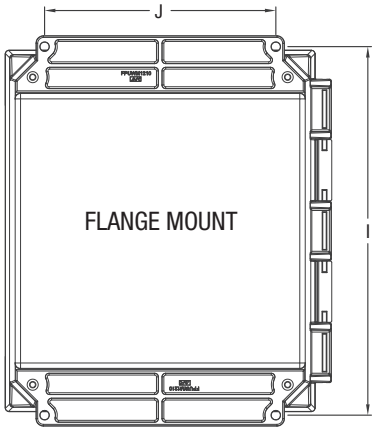
- Compression molded fiberglass reinforced polyester construction with flush, solid/opaque cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Opaque cover, base, feet, flanges — Light gray color (RAL 7035)
  Note: foot models mounting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

Accessories & Modifications

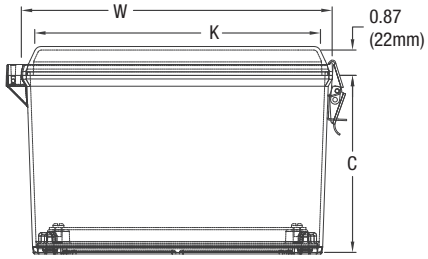
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening



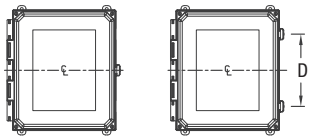




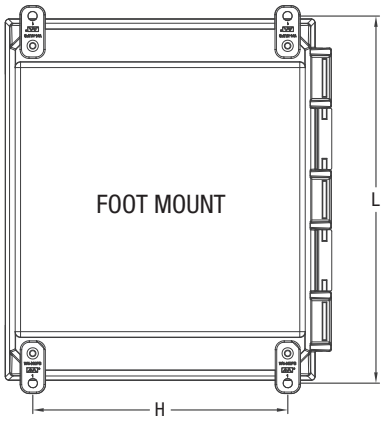
Note: Cover Removed for Clarity



LATCH LOCATIONS



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



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

Part No.	Box Size			Usable Depth	Panel Boss Centers		Back Panel Size			Flange Mount Centers		Foot Mount Centers		Cover Size			
	A	B	C	F	S	Z	Ht.	Wid.	P/N	J	I	H	L	K	M	W	U
AMU664L AMU664LF	6.04	6.26	4.12	4.09	4.25	4.25	4.81	4.81	PL66 PLA66	4.00	6.88, 6.75	4.91	6.75	5.70	5.53	6.72	6.50
	153mm	159mm	105mm	103mm	108mm	108mm	122mm	122mm		102mm	175, 171mm	125mm	171mm	145mm	140mm	171mm	165mm
AMU864L AMU864LF	8.06	6.28	4.13	4.11	6.25	4.25	6.75	4.88	PL86 PLA86	4.00	8.88, 8.75	4.91	8.75	5.75	7.53	6.72	8.50
	205mm	160mm	105mm	104mm	159mm	108mm	171mm	124mm		102mm	222, 226mm	125mm	222mm	146mm	191mm	171mm	216mm
AMU1084L AMU1084LF	10.05	8.27	4.13	4.12	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.53	8.72	10.50
	255mm	210mm	105mm	105mm	210mm	159mm	222mm	175mm		152mm	273mm	176mm	273mm	197mm	242mm	221mm	267mm
★ AMU1086L AMU1086LF	10.04	8.26	6.13	6.10	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.53	8.72	10.50
	255mm	210mm	156mm	155mm	210mm	159mm	222mm	175mm		152mm	273mm	175mm	273mm	197mm	242mm	221mm	267mm
AMU1206L AMU1206LF	12.05	10.27	6.13	6.12	10.25	8.25	10.75	8.88	PL120 PLA120	8.00	12.75	8.82	12.70	9.75	11.53	10.72	12.50
	306mm	261mm	156mm	155mm	260mm	210mm	273mm	226mm		203mm	324mm	224mm	323mm	248mm	293mm	272mm	318mm
AMU1426L AMU1426LF	14.05	12.27	6.13	6.11	12.25	10.25	12.75	10.88	PL142 PLA142	10.01	14.75, 14.62	10.82	14.70	11.75	13.53	12.72	14.50
	357mm	312mm	156mm	155mm	311mm	260mm	324mm	276mm		254mm	375, 371mm	275mm	373mm	298mm	344mm	323mm	368mm
AMU1648L AMU1648LF	16.05	14.27	8.14	8.09	14.25	12.25	14.75	12.88	P164 PA164	12.00	16.75	11.47	16.91	13.75	15.53	14.72	16.50
	408mm	362mm	207mm	205mm	362mm	311mm	375mm	327mm		305mm	425mm	291mm	430mm	349mm	394mm	374mm	419mm
AMU1860L AMU1860LF	18.12	16.34	10.13	10.10	16.26	14.25	16.88	14.88	P186 PA186	12.00	18.88, 18.76	13.72	19.16	15.75	17.78	16.97	18.75
	460mm	415mm	257mm	257mm	413mm	362mm	429mm	378mm		305mm	480, 477mm	348mm	487mm	400mm	452mm	431mm	476mm
AMU2060L AMU2060LF	19.87	16.09	10.14	10.09	17.81	13.81	18.44	14.44	P206 PA206	10.00	21.28	13.16	20.53	15.75	19.53	16.72	20.50
	505mm	409mm	257mm	256mm	452mm	351mm	468mm	367mm		254mm	541mm	334mm	521mm	400mm	496mm	425mm	521mm

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

AMU Series

JIC SIZE JUNCTION BOXES

Cover Type

Viewing Window

Closure Type

Snap Latch Hinged Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

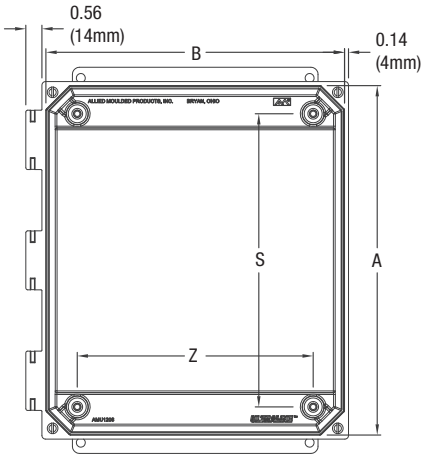
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

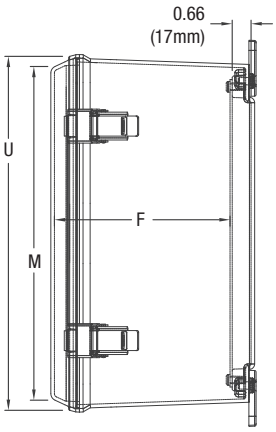
Construction

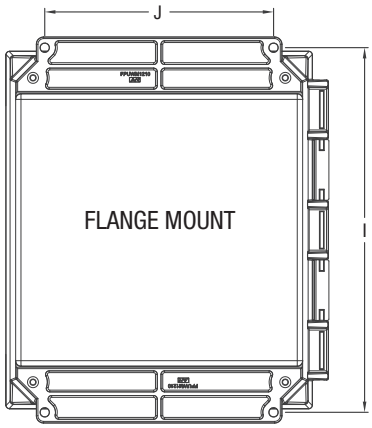
- Compression molded fiberglass reinforced polyester construction with flush, polycarbonate viewing window cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Opaque cover, base, feet, flanges — Light gray color (RAL 7035)
  Note: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

Accessories & Modifications

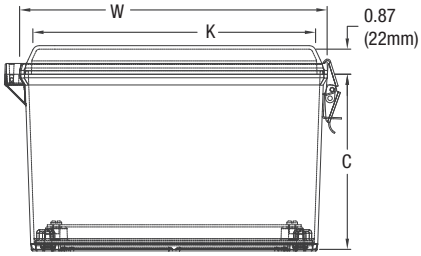
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening



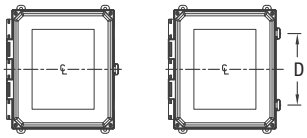




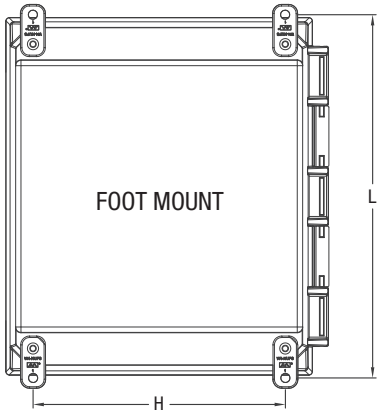
Note: Cover Removed for Clarity



LATCH LOCATIONS



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



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

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

All dimensions are in inches unless otherwise noted
"I" dimensions with multiple numbers indicate slotted holes
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMU664LW)
Part numbers with "F" signify factory installed flanges (ex. AMU664LWF)
Additional back panels found on page 128
★Coming soon!

Data subject to change without notice

AMU Series

JIC SIZE JUNCTION BOXES

Cover Type

Clear Polycarbonate

Closure Type

Snap Latch Hinged Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

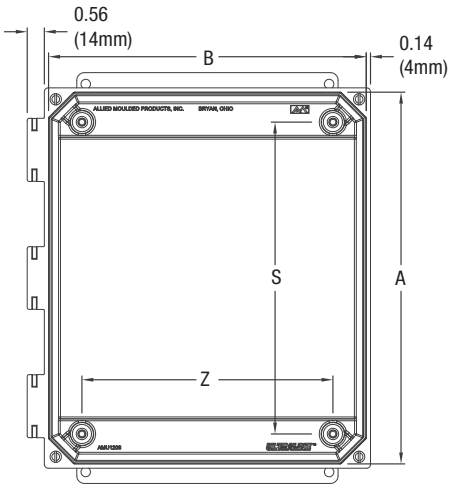
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

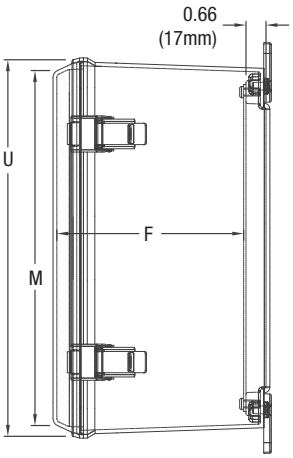
- Compression molded fiberglass reinforced polyester construction with flush, clear polycarbonate cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Enclosure base, feet, flanges — Light gray color (RAL 7035)
  Note: foot models mounting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

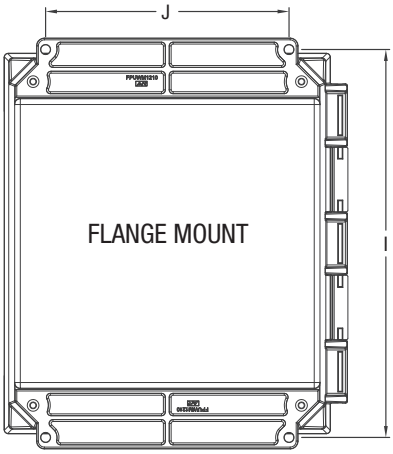
Accessories & Modifications

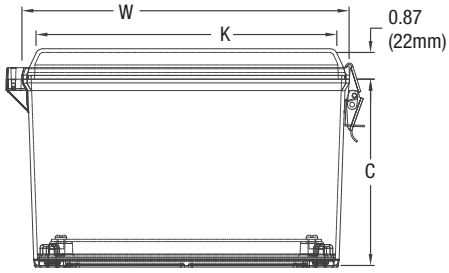
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening



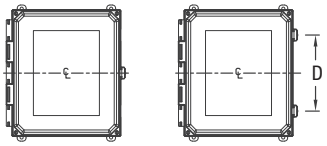
Note: Cover Removed for Clarity



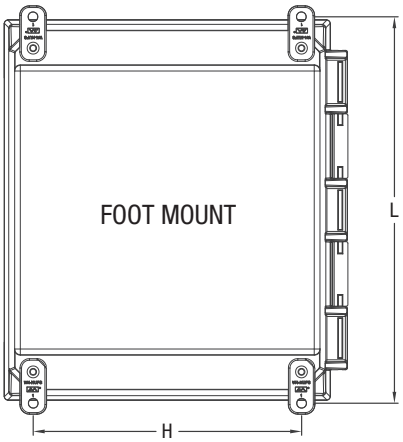




LATCH LOCATIONS



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



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

Part No.	Box Size			Usable Depth	Panel Boss Centers		Back Panel Size			Flange Mount Centers		Foot Mount Centers		Cover Size			
	A	B	C	F	S	Z	Ht.	Wid.	P/N	J	I	H	L	K	M	W	U
AMU664CCL AMU664CCLF	6.04	6.26	4.12	4.09	4.25	4.25	4.81	4.81	PL66 PLA66	4.00	6.88, 6.75	4.91	6.75	5.70	5.53	6.72	6.50
	153mm	159mm	105mm	103mm	108mm	108mm	122mm	122mm		102mm	175, 171mm	125mm	171mm	145mm	140mm	171mm	165mm
AMU864CCL AMU864CCLF	8.06	6.28	4.13	4.11	6.25	4.25	6.75	4.88	PL86 PLA86	4.00	8.88, 8.75	4.91	8.75	5.75	7.53	6.72	8.50
	205mm	160mm	105mm	104mm	159mm	108mm	171mm	124mm		102mm	222, 226mm	125mm	222mm	146mm	191mm	171mm	216mm
AMU1084CCL AMU1084CCLF	10.05	8.27	4.13	4.12	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.53	8.72	10.50
	255mm	210mm	105mm	105mm	210mm	159mm	222mm	175mm		152mm	273mm	176mm	273mm	197mm	242mm	221mm	267mm
★AMU1086CCL AMU1086CCLF	10.04	8.26	6.13	6.10	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.53	8.72	10.50
	255mm	210mm	156mm	155mm	210mm	159mm	222mm	175mm		152mm	273mm	175mm	273mm	197mm	242mm	221mm	267mm
AMU1206CCL AMU1206CCLF	12.05	10.27	6.13	6.12	10.25	8.25	10.75	8.88	PL120 PLA120	8.00	12.75	8.82	12.70	9.75	11.53	10.72	12.50
	306mm	261mm	156mm	155mm	260mm	210mm	273mm	226mm		203mm	324mm	224mm	323mm	248mm	293mm	272mm	318mm
AMU1426CCL AMU1426CCLF	14.05	12.27	6.13	6.11	12.25	10.25	12.75	10.88	PL142 PLA142	10.01	14.75, 14.62	10.82	14.70	11.75	13.53	12.72	14.50
	357mm	312mm	156mm	155mm	311mm	260mm	324mm	276mm		254mm	375, 371mm	275mm	373mm	298mm	344mm	323mm	368mm
AMU1648CCL AMU1648CCLF	16.05	14.27	8.14	8.09	14.25	12.25	14.75	12.88	P164 PA164	12.00	16.75	11.47	16.91	13.75	15.53	14.72	16.50
	408mm	362mm	207mm	205mm	362mm	311mm	375mm	327mm		305mm	425mm	291mm	430mm	349mm	394mm	374mm	419mm
★AMU2060CCL AMU2060CCLF	19.87	16.09	10.14	10.09	17.81	13.81	18.44	14.44	P206 PA206	10.00	21.28	13.16	20.53	15.75	19.53	16.72	20.50
	505mm	409mm	257mm	256mm	452mm	351mm	468mm	367mm		254mm	541mm	334mm	521mm	400mm	496mm	425mm	521mm

All dimensions are in inches unless otherwise noted
Data subject to change without notice
"I" dimensions with multiple numbers indicate slotted holes
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMU664CCL)
Part numbers with "F" signify factory installed flanges (ex. AMU664CCLF)
Additional back panels found on page 128
★Coming soon!

AMU Series

JIC SIZE JUNCTION BOXES

Cover Type

Solid/Opaque

Closure Type

Nonmetal Snap Latch
Hinged Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

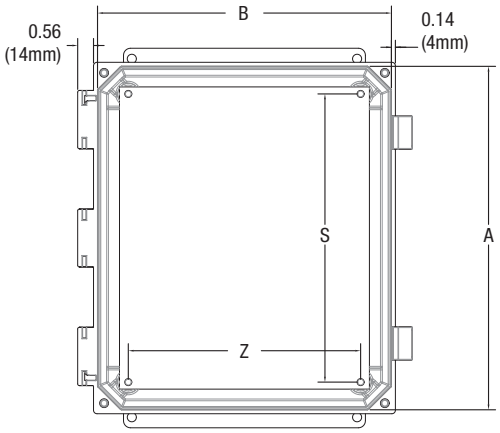
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

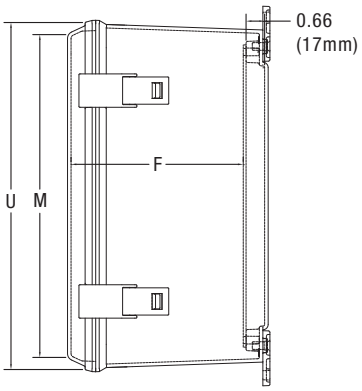
- Compression molded fiberglass reinforced polyester construction with flush, solid/opaque cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Opaque cover, base, feet, flanges — Light gray color (RAL 7035)
  Note: foot models mounting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

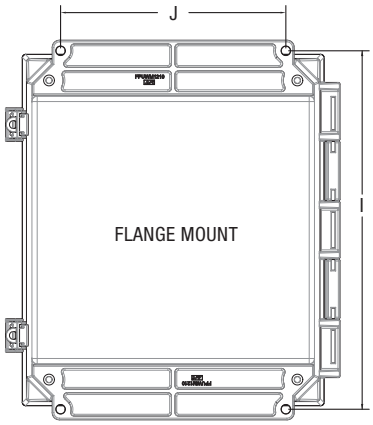
Accessories & Modifications

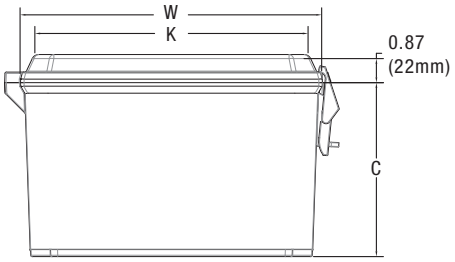
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening



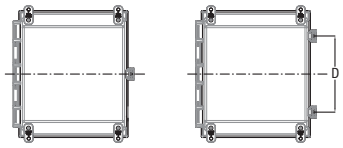
NOTE: COVER REMOVED FOR CLARITY



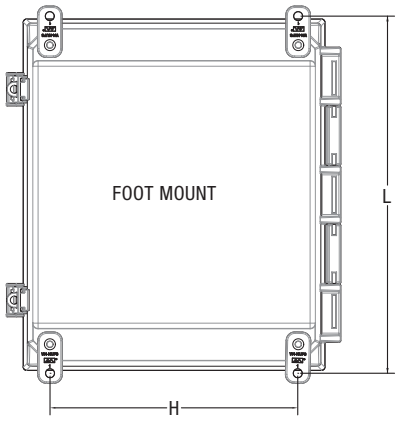




LATCH LOCATIONS



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



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

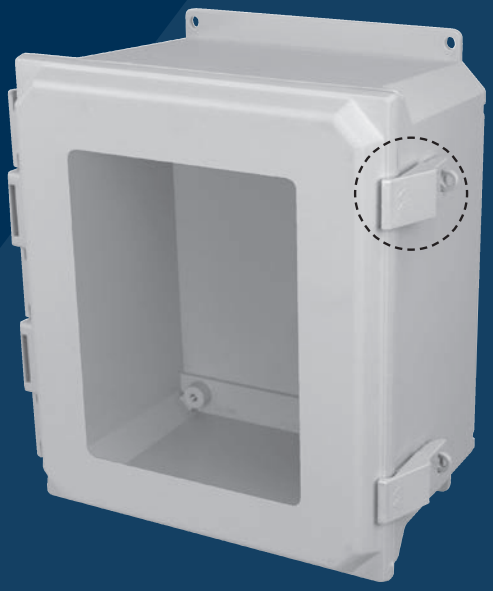
Part No.	Box Size			Usable Depth	Panel Boss Centers		Back Panel Size			Flange Mount Centers		Foot Mount Centers		Cover Size			
	A	B	C	F	S	Z	Ht.	Wid.	P/N	J	I	H	L	K	M	W	U
AMU664NL AMU664NLF	6.04	6.26	4.12	4.09	4.25	4.25	4.81	4.81	PL66 PLA66	4.00	6.88, 6.75	4.91	6.75	5.70	5.53	6.72	6.50
	153mm	159mm	105mm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

All dimensions are in inches unless otherwise noted
"I" dimensions with multiple numbers indicate slotted holes
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMU664NL)
Part numbers with "F" signify factory installed flanges (ex. AMU664NLF)
Additional back panels found on page 128
★Coming soon!

Data subject to change without notice

AMU Series

JIC SIZE JUNCTION BOXES



Cover Type

Viewing Window

Closure Type

Nonmetal Snap Latch
Hinged Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

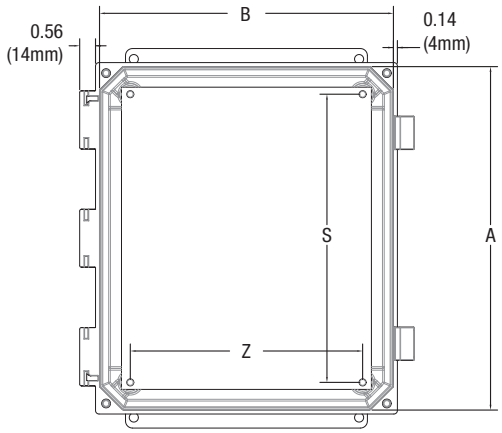
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

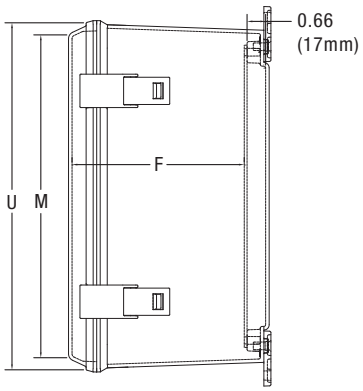
- Compression molded fiberglass reinforced polyester construction with flush, polycarbonate viewing window cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Opaque cover, base, feet, flanges — Light gray color (RAL 7035)
  Note: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

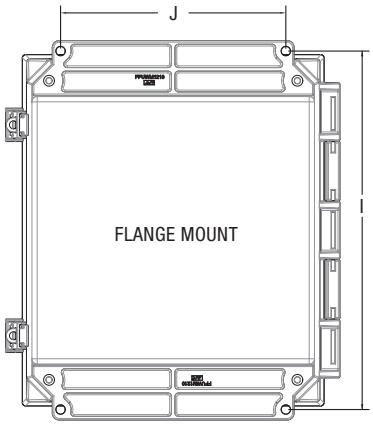
Accessories & Modifications

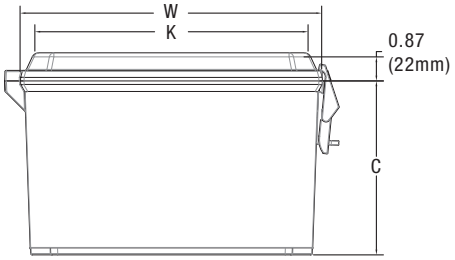
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening



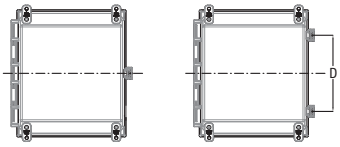
NOTE: COVER REMOVED FOR CLARITY





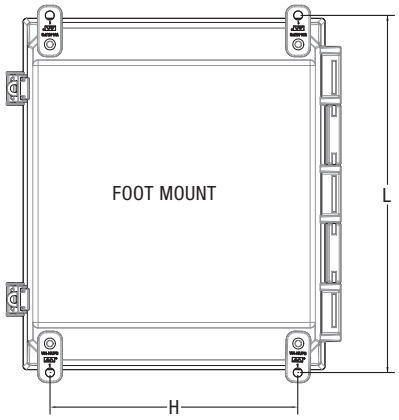


LATCH LOCATIONS



FOR USE ON
6x6x4
8x6x4
10x8x4
10x8x6

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



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

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

All dimensions are in inches unless otherwise noted
"I" dimensions with multiple numbers indicate slotted holes
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMU664NLW)
Part numbers with "F" signify factory installed flanges (ex. AMU664NLWF)
Additional back panels found on page 128
★Coming soon!

Data subject to change without notice

AMU Series

JIC SIZE JUNCTION BOXES

Cover Type

Clear Polycarbonate

Closure Type

Nonmetal Snap Latch
Hinged Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

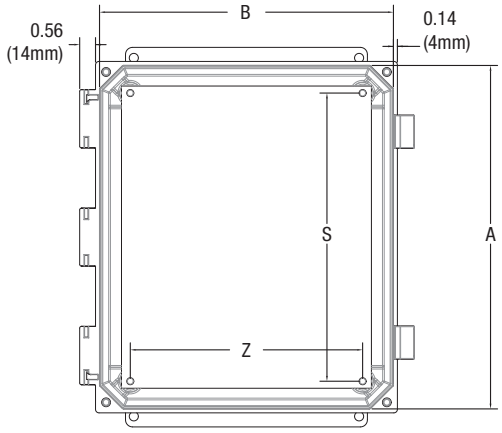
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

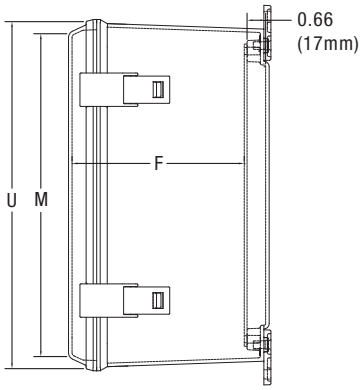
- Compression molded fiberglass reinforced polyester construction with flush, clear polycarbonate cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Enclosure base, feet, flanges — Light gray color (RAL 7035)
  Note: foot models mounting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

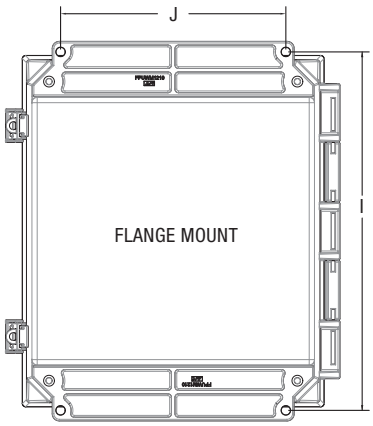
Accessories & Modifications

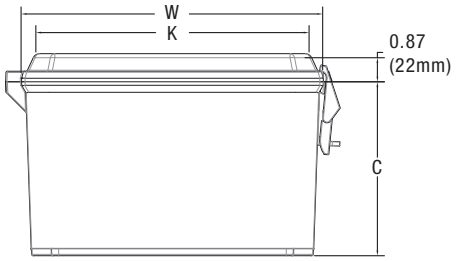
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening



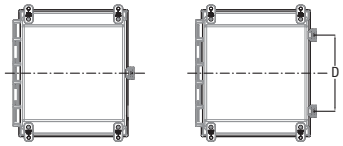
NOTE: COVER REMOVED FOR CLARITY



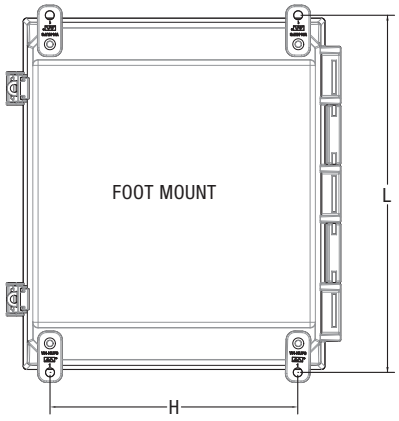




LATCH LOCATIONS



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



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

Part No.	Box Size			Usable Depth	Panel Boss Centers		Back Panel Size			Flange Mount Centers		Foot Mount Centers		Cover Size			
	A	B	C	F	S	Z	Ht.	Wid.	P/N	J	I	H	L	K	M	W	U
AMU664CCNL AMU664CCNLF	6.04	6.26	4.12	4.09	4.25	4.25	4.81	4.81	PL66 PLA66	4.00	6.88, 6.75	4.91	6.75	5.70	5.53	6.72	6.50
	153mm	159mm	105mm	103mm	108mm	108mm	122mm	122mm		102mm	175, 171mm	125mm	171mm	145mm	140mm	171mm	165mm
AMU864CCNL AMU864CCNLF	8.06	6.28	4.13	4.11	6.25	4.25	6.75	4.88	PL86 PLA86	4.00	8.88, 8.75	4.91	8.75	5.75	7.53	6.72	8.50
	205mm	160mm	105mm	104mm	159mm	108mm	171mm	124mm		102mm	222, 226mm	125mm	222mm	146mm	191mm	171mm	216mm
★AMU1084CCNL AMU1084CCNLF	10.05	8.27	4.13	4.12	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.53	8.72	10.50
	255mm	210mm	105mm	105mm	210mm	159mm	222mm	175mm		152mm	273mm	176mm	273mm	197mm	242mm	221mm	267mm
AMU1086CCNL AMU1086CCNLF	10.04	8.26	6.13	6.10	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.53	8.72	10.50
	255mm	210mm	156mm	155mm	210mm	159mm	222mm	175mm		152mm	273mm	175mm	273mm	197mm	242mm	221mm	267mm
AMU1206CCNL AMU1206CCNLF	12.05	10.27	6.13	6.12	10.25	8.25	10.75	8.88	PL120 PLA120	8.00	12.75	8.82	12.70	9.75	11.53	10.72	12.50
	306mm	261mm	156mm	155mm	260mm	210mm	273mm	226mm		203mm	324mm	224mm	323mm	248mm	293mm	272mm	318mm
AMU1426CCNL AMU1426CCNLF	14.05	12.27	6.13	6.11	12.25	10.25	12.75	10.88	PL142 PLA142	10.01	14.75, 14.62	10.82	14.70	11.75	13.53	12.72	14.50
	357mm	312mm	156mm	155mm	311mm	260mm	324mm	276mm		254mm	375, 371mm	275mm	373mm	298mm	344mm	323mm	368mm
AMU1648CCNL AMU1648CCNLF	16.05	14.27	8.14	8.09	14.25	12.25	14.75	12.88	P164 PA164	12.00	16.75	11.47	16.91	13.75	15.53	14.72	16.50
	408mm	362mm	207mm	205mm	362mm	311mm	375mm	327mm		305mm	425mm	291mm	430mm	349mm	394mm	374mm	419mm
★AMU2060CCNL AMU2060CCNLF	19.87	16.09	10.14	10.09	17.81	13.81	18.44	14.44	P206 PA206	10.00	21.28	13.16	20.53	15.75	19.53	16.72	20.50
	505mm	409mm	257mm	256mm	452mm	351mm	468mm	367mm		254mm	541mm	334mm	521mm	400mm	496mm	425mm	521mm

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

AMU Series

JIC SIZE JUNCTION BOXES

Cover Type

Solid/Opaque

Closure Type

Twist Latch Hinged Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

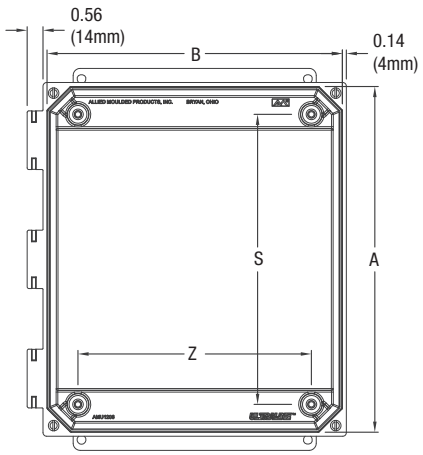
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

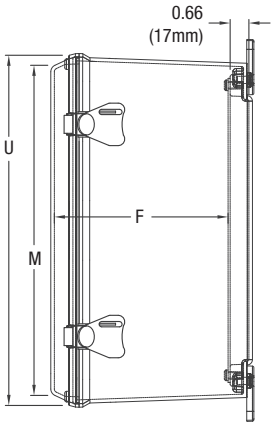
Construction

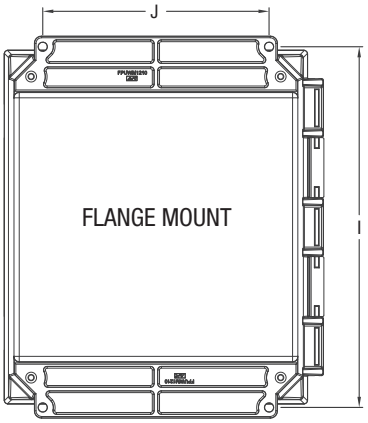
- Compression molded fiberglass reinforced polyester construction with flush, solid/opaque cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Opaque cover, base, feet, flanges — Light gray color (RAL 7035)
  Note: foot models mounting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

Accessories & Modifications

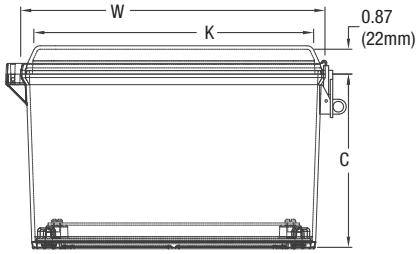
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening



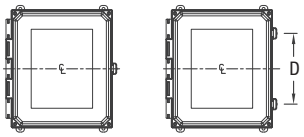




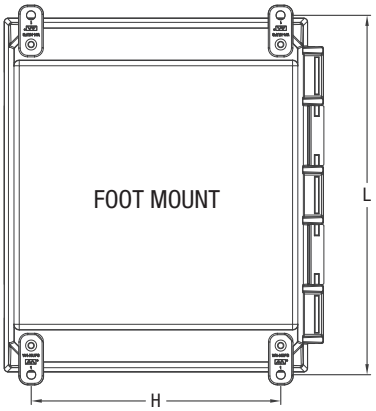
Note: Cover Removed for Clarity



LATCH LOCATIONS



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



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

Part No.	Box Size			Usable Depth	Panel Boss Centers		Back Panel Size			Flange Mount Centers		Foot Mount Centers		Cover Size			
	A	B	C	F	S	Z	Ht.	Wid.	P/N	J	I	H	L	K	M	W	U
AMU664T AMU664TF	6.04	6.26	4.12	4.09	4.25	4.25	4.81	4.81	PL66 PLA66	4.00	6.88, 6.75	4.91	6.75	5.70	5.53	6.72	6.50
	153mm	159mm	105mm	103mm	108mm	108mm	122mm	122mm		102mm	175, 171mm	125mm	171mm	145mm	140mm	171mm	165mm
AMU864T AMU864TF	8.06	6.28	4.13	4.11	6.25	4.25	6.75	4.88	PL86 PLA86	4.00	8.88, 8.75	4.91	8.75	5.75	7.53	6.72	8.50
	205mm	160mm	105mm	104mm	159mm	108mm	171mm	124mm		102mm	222, 226mm	125mm	222mm	146mm	191mm	171mm	216mm
AMU1084T AMU1084TF	10.05	8.27	4.13	4.12	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.53	8.72	10.50
	255mm	210mm	105mm	105mm	210mm	159mm	222mm	175mm		152mm	273mm	176mm	273mm	197mm	242mm	221mm	267mm
★ AMU1086T AMU1086TF	10.04	8.26	6.13	6.10	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.53	8.72	10.50
	255mm	210mm	156mm	155mm	210mm	159mm	222mm	175mm		152mm	273mm	175mm	273mm	197mm	242mm	221mm	267mm
AMU1206T AMU1206TF	12.05	10.27	6.13	6.12	10.25	8.25	10.75	8.88	PL120 PLA120	8.00	12.75	8.82	12.70	9.75	11.53	10.72	12.50
	306mm	261mm	156mm	155mm	260mm	210mm	273mm	226mm		203mm	324mm	224mm	323mm	248mm	293mm	272mm	318mm
AMU1426T AMU1426TF	14.05	12.27	6.13	6.11	12.25	10.25	12.75	10.88	PL142 PLA142	10.01	14.75, 14.62	10.82	14.70	11.75	13.53	12.72	14.50
	357mm	312mm	156mm	155mm	311mm	260mm	324mm	276mm		254mm	375, 371mm	275mm	373mm	298mm	344mm	323mm	368mm
AMU1648T AMU1648TF	16.05	14.27	8.14	8.09	14.25	12.25	14.75	12.88	P164 PA164	12.00	16.75	11.47	16.91	13.75	15.53	14.72	16.50
	408mm	362mm	207mm	205mm	362mm	311mm	375mm	327mm		305mm	425mm	291mm	430mm	349mm	394mm	374mm	419mm
AMU1860T AMU1860TF	18.12	16.34	10.13	10.10	16.26	14.25	16.88	14.88	P186 PA186	12.00	18.88, 18.76	13.72	19.16	15.75	17.78	16.97	18.75
	460mm	415mm	257mm	257mm	413mm	362mm	429mm	378mm		305mm	480, 477mm	348mm	487mm	400mm	452mm	431mm	476mm
AMU2060T AMU2060TF	19.87	16.09	10.14	10.09	17.81	13.81	18.44	14.44	P206 PA206	10.00	21.28	13.16	20.53	15.75	19.53	16.72	20.50
	505mm	409mm	257mm	256mm	452mm	351mm	468mm	367mm		254mm	541mm	334mm	521mm	400mm	496mm	425mm	521mm

All dimensions are in inches unless otherwise noted
"I" dimensions with multiple numbers indicate slotted holes
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMU664T)
Part numbers with "F" signify factory installed flanges (ex. AMU664TF)
Additional back panels found on page 128
★Coming soon!

Data subject to change without notice

AMU Series

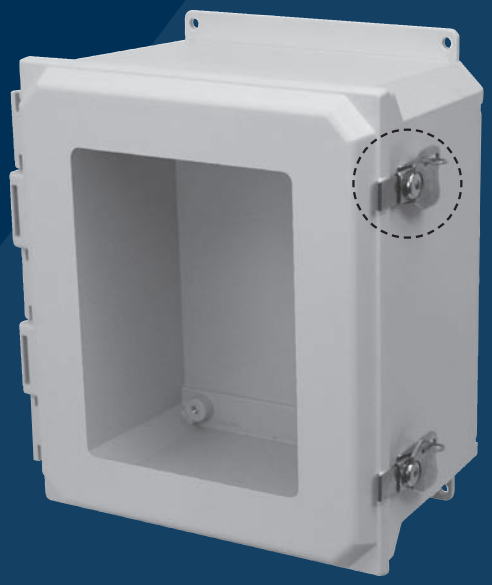
JIC SIZE JUNCTION BOXES

Cover Type

Viewing Window

Closure Type

Twist Latch Hinged Cover



Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

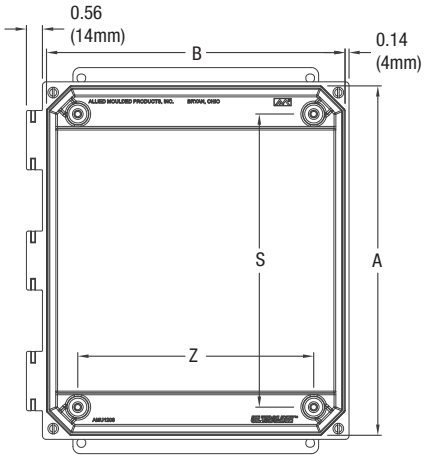
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

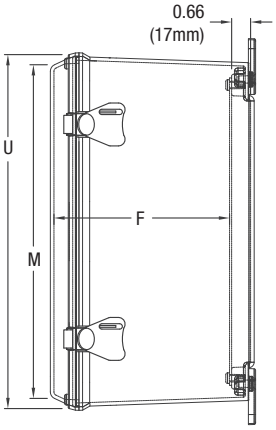
- Compression molded fiberglass reinforced polyester construction with flush, polycarbonate viewing window cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Opaque cover, base, feet, flanges — Light gray color (RAL 7035)
  Note: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

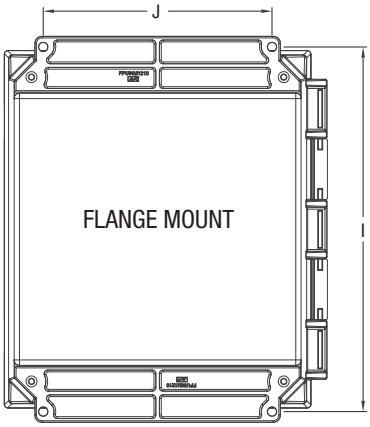
Accessories & Modifications

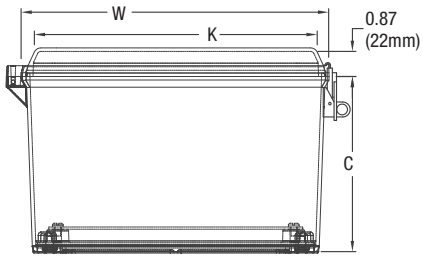
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening



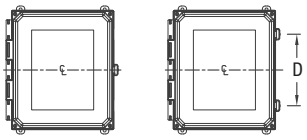
Note: Cover Removed for Clarity



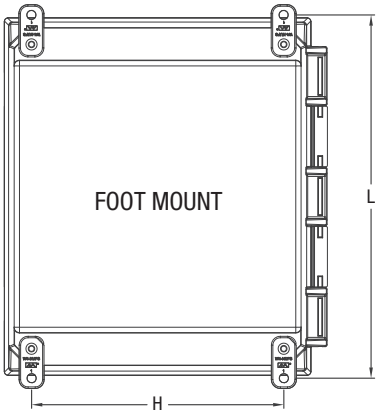




LATCH LOCATIONS



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



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

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

All dimensions are in inches unless otherwise noted
"I" dimensions with multiple numbers indicate slotted holes
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMU664TW)
Part numbers with "F" signify factory installed flanges (ex. AMU664TWF)
Additional back panels found on page 128
★Coming soon!

Data subject to change without notice

AMU Series

JIC SIZE JUNCTION BOXES

Cover Type

Clear Polycarbonate

Closure Type

Twist Latch Hinged Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in oil refineries, waste water treatment equipment, chemical plants, and many other applications

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

Standards

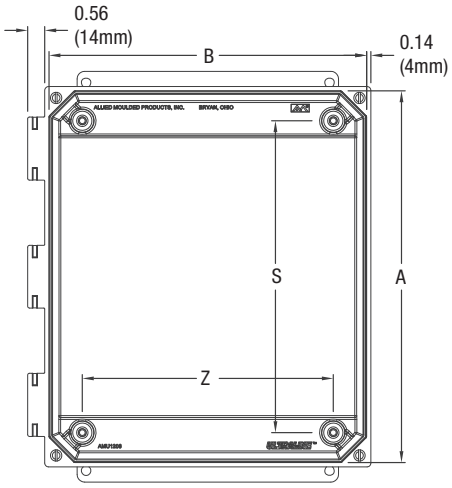
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

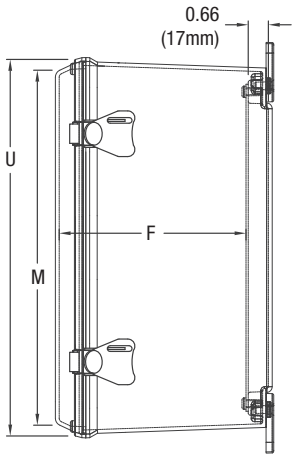
Construction

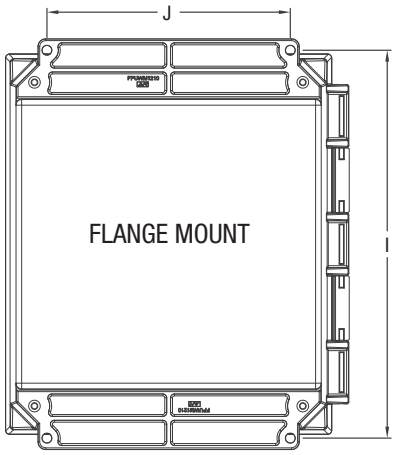
- Compression molded fiberglass reinforced polyester construction with flush, clear polycarbonate cover
- Allied Moulded ULTRAGUARD® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Enclosure base, feet, flanges — Light gray color (RAL 7035)
  Note: foot models mounting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

Accessories & Modifications

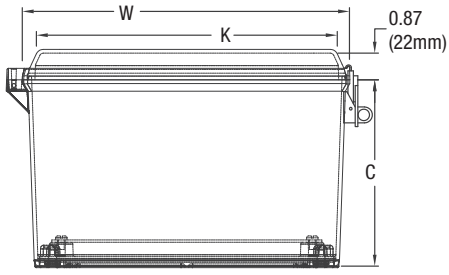
- Optional back panels and hinged front panels
- Custom holes and cutouts
- Molded-in color matching
- EMI/RFI shielding
- Factory-supplied silk screening



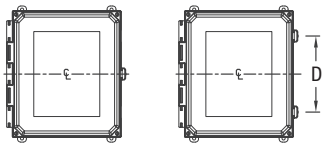




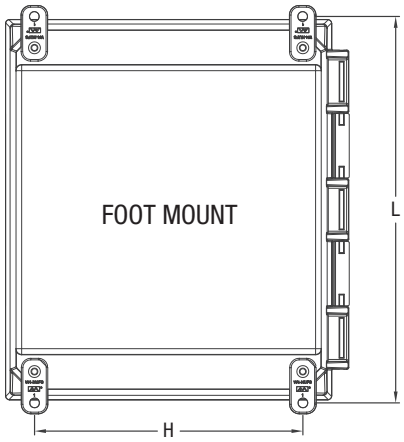
Note: Cover Removed for Clarity



LATCH LOCATIONS



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



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

Part No.	Box Size			Usable Depth	Panel Boss Centers		Back Panel Size			Flange Mount Centers		Foot Mount Centers		Cover Size			
	A	B	C	F	S	Z	Ht.	Wid.	P/N	J	I	H	L	K	M	W	U
AMU664CCT AMU664CCTF	6.04	6.26	4.12	4.09	4.25	4.25	4.81	4.81	PL66 PLA66	4.00	6.88, 6.75	4.91	6.75	5.70	5.53	6.72	6.50
	153mm	159mm	105mm	103mm	108mm	108mm	122mm	122mm		102mm	175, 171mm	125mm	171mm	145mm	140mm	171mm	165mm
AMU864CCT AMU864CCTF	8.06	6.28	4.13	4.11	6.25	4.25	6.75	4.88	PL86 PLA86	4.00	8.88, 8.75	4.91	8.75	5.75	7.53	6.72	8.50
	205mm	160mm	105mm	104mm	159mm	108mm	171mm	124mm		102mm	222, 226mm	125mm	222mm	146mm	191mm	171mm	216mm
AMU1084CCT AMU1084CCTF	10.05	8.27	4.13	4.12	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.53	8.72	10.50
	255mm	210mm	105mm	105mm	210mm	159mm	222mm	175mm		152mm	273mm	176mm	273mm	197mm	242mm	221mm	267mm
★AMU1086CCT AMU1086CCTF	10.04	8.26	6.13	6.10	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.53	8.72	10.50
	255mm	210mm	156mm	155mm	210mm	159mm	222mm	175mm		152mm	273mm	175mm	273mm	197mm	242mm	221mm	267mm
AMU1206CCT AMU1206CCTF	12.05	10.27	6.13	6.12	10.25	8.25	10.75	8.88	PL120 PLA120	8.00	12.75	8.82	12.70	9.75	11.53	10.72	12.50
	306mm	261mm	156mm	155mm	260mm	210mm	273mm	226mm		203mm	324mm	224mm	323mm	248mm	293mm	272mm	318mm
AMU1426CCT AMU1426CCTF	14.05	12.27	6.13	6.11	12.25	10.25	12.75	10.88	PL142 PLA142	10.01	14.75, 14.62	10.82	14.70	11.75	13.53	12.72	14.50
	357mm	312mm	156mm	155mm	311mm	260mm	324mm	276mm		254mm	375, 371mm	275mm	373mm	298mm	344mm	323mm	368mm
AMU1648CCT AMU1648CCTF	16.05	14.27	8.14	8.09	14.25	12.25	14.75	12.88	P164 PA164	12.00	16.75	11.47	16.91	13.75	15.53	14.72	16.50
	408mm	362mm	207mm	205mm	362mm	311mm	375mm	327mm		305mm	425mm	291mm	430mm	349mm	394mm	374mm	419mm
★AMU2060CCT AMU2060CCTF	19.87	16.09	10.14	10.09	17.81	13.81	18.44	14.44	P206 PA206	10.00	21.28	13.16	20.53	15.75	19.53	16.72	20.50
	505mm	409mm	257mm	256mm	452mm	351mm	468mm	367mm		254mm	541mm	334mm	521mm	400mm	496mm	425mm	521mm

All dimensions are in inches unless otherwise noted
"I" dimensions with multiple numbers indicate slotted holes
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMU664CCT)
Part numbers with "F" signify factory installed flanges (ex. AMU664CCTF)
Additional back panels found on page 128
★Coming soon!

Data subject to change without notice

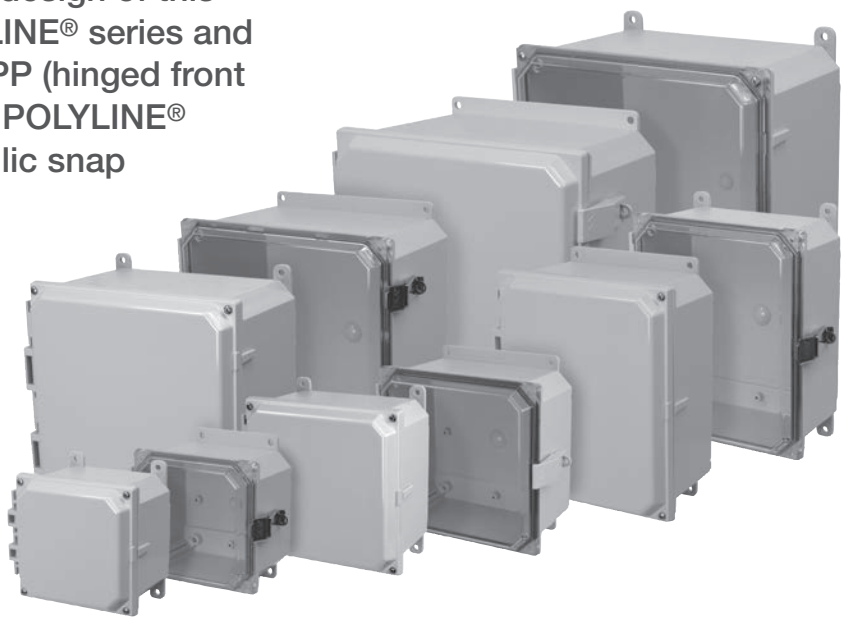
POLYLINE® SERIES

POLYCARBONATE

POLYLINE®

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

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



Scan to learn more

Allied Moulded Products, Inc. | 222 N. Union Street Bryan, OH 43506

AMP Series Features & Benefits

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

AMP Series Specifications

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

Accessories

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

Modifications

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

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

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

www.alliedmoulded.com

AMP Series

JIC SIZE JUNCTION BOXES

Cover Type

Solid/Opaque

Closure Type

Lift-Off Screw Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in industrial control panels, pump controls/ waste water treatment, irrigation/water control, solar/ wind, and chemical plants

- Light weight, impact resistant and good corrosion resistance for many industrial enclosure applications and a great alternative to metallic enclosures
- Protects from dirt, dust, and water

Standards

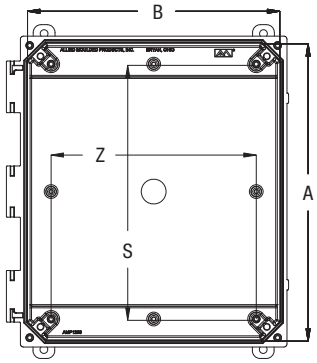
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6"x6" up through 14"x12"), 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6"x6" up through 14"x12"), 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6"x6" up through 14"x12"), 12 and 13
  - IEC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

Construction

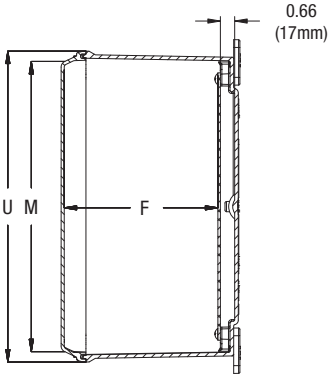
- Injection molded polycarbonate thermoplastic construction with flush, solid/opaque cover
- Opaque cover, base, feet, flanges — Light gray color (RAL 7035)
  Note: foot models mounting hardware supplied in a bag. Flanged models are pre-assembled
- 316 stainless steel captive cover screws
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel foot/flange mounting hardware
- Polycarbonate hinge clips (16" & 18" sizes)
- Molded-in hinge bosses removed for 6"x6", 8"x6", and 8"x8" enclosure sizes
- #10-32 threaded brass inserts are installed for back panel mounting

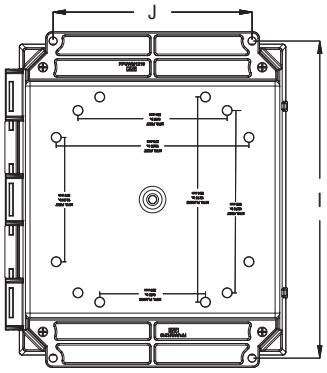
Accessories & Modifications

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



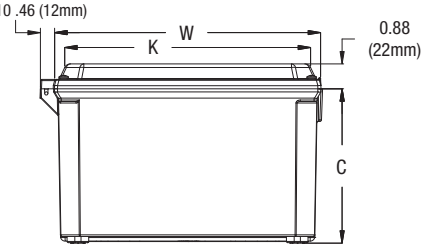
NOTE: COVER REMOVED FOR CLARITY



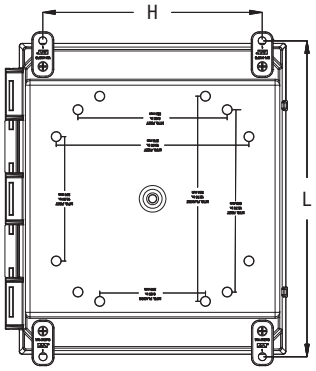


FLANGE MOUNT

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



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



FOOT MOUNT

Part No.	Box Size			Usable Depth	Panel Boss Centers		Back Panel Size			Flange Mount Centers		Foot Mount Centers		Cover Size			
	A	B	C	F	S	Z	Ht.	Wid.	P/N	J	I	H	L	K	M	W	U
AMP664 AMP664F	6.03	6.26	4.08	4.06	4.25	4.25	4.81	4.81	PL66 PLA66	4.00	6.88, 6.75	4.91	6.75	5.67	5.45	6.72	6.50
	153mm	159mm	104mm	103mm	108mm	108mm	122mm	122mm		102mm	175, 171mm	125mm	171mm	144mm	139mm	171mm	165mm
AMP864 AMP864F	7.94	6.16	4.08	4.06	6.25	4.25	6.75	4.88	PL86 PLA86	4.00	8.88, 8.75	4.91	8.75	5.67	7.45	6.72	8.50
	202mm	156mm	104mm	103mm	159mm	108mm	171mm	124mm		102mm	226, 222mm	125mm	222mm	144mm	189mm	171mm	216mm
AMP884 AMP884F	7.94	8.16	4.08	4.06	6.25	6.25	6.75	6.88	PL88 PLA88	6.00	8.75	6.91	8.75	7.67	7.45	8.72	8.50
	202mm	207mm	104mm	103mm	159mm	159mm	171mm	175mm		152mm	222mm	175mm	222mm	195mm	189mm	221mm	216mm
AMP1082 AMP1082F	9.93	8.15	2.70	2.68	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.67	8.72	10.50
	252mm	207mm	69mm	68mm	210mm	159mm	222mm	175mm		152mm	273mm	175mm	273mm	197mm	246mm	221mm	267mm
AMP1084 AMP1084F	9.93	8.15	4.08	4.06	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.67	8.72	10.50
	252mm	207mm	104mm	103mm	210mm	159mm	222mm	175mm		152mm	273mm	175mm	273mm	197mm	246mm	221mm	267mm
AMP1086 AMP1086F	9.90	8.12	5.94	6.06	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.67	8.72	10.50
	255mm	206mm	151mm	154mm	210mm	159mm	222mm	175mm		152mm	273mm	175mm	273mm	197mm	246mm	221mm	267mm
AMP1204 AMP1204F	11.93	10.15	4.08	4.16	10.25	8.25	10.75	8.88	PL120 PLA120	8.00	12.75	8.82	12.70	9.75	11.53	10.72	12.50
	303mm	258mm	104mm	106mm	260mm	210mm	273mm	225mm		203mm	324mm	224mm	323mm	248mm	293mm	272mm	318mm
AMP1206 AMP1206F	11.93	10.15	6.08	6.06	10.25	8.25	10.75	8.88	PL120 PLA120	8.00	12.75	8.82	12.70	9.75	11.53	10.72	12.50
	303mm	258mm	154mm	154mm	260mm	210mm	273mm	225mm		203mm	324mm	224mm	323mm	248mm	293mm	272mm	318mm
AMP1426 AMP1426F	13.85	12.07	6.13	5.99	12.25	10.25	12.75	10.88	PL142 PLA142	10.01	14.75,14.62	10.82	14.70	11.75	13.53	12.72	14.50
	352mm	307mm	156mm	152mm	311mm	260mm	324mm	276mm		254mm	375, 371mm	275mm	373mm	298mm	344mm	323mm	368mm
AMP1648 AMP1648F	15.98	13.98	8.00	8.27	14.25	12.25	14.75	12.88	P164 PA164	12.00	17.75	11.47	17.91	13.56	15.74	15.04	17.23
	406mm	355mm	203mm	210mm	362mm	311mm	375mm	327mm		305mm	451mm	291mm	455mm	344mm	400mm	382mm	438mm
AMP1860 AMP1860F	18.04	16.04	10.00	10.27	16.22	14.25	16.88	14.88	P186 PA186	12.00	19.63,19.51	13.72	19.91	15.56	17.74	17.10	19.28
	458mm	407mm	254mm	261mm	412mm	362mm	429mm	378mm		305mm	499, 496mm	349mm	506mm	395mm	451mm	434mm	490mm

All dimensions are in inches unless otherwise noted
"I" dimensions with multiple numbers indicate slotted holes
All sizes 6" x 6" x 4" up through 14" x 12" x 6" are rated 6P (IP68)
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMP664)
Part numbers with "F" signify factory installed flanges (ex. AMP664F)
Back panel specifications found on page 130

Data subject to change without notice

AMP Series

JIC SIZE JUNCTION BOXES

Cover Type

Clear Polycarbonate

Closure Type

Lift-Off Screw Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in industrial control panels, pump controls/ waste water treatment, irrigation/water control, solar/ wind, and chemical plants

- Light weight, impact resistant and good corrosion resistance for many industrial enclosure applications and a great alternative to metallic enclosures
- Protects from dirt, dust, and water
- Clear polycarbonate instrumentation cover, used in applications where critical electronic equipment must be visible and protected from the elements

Standards

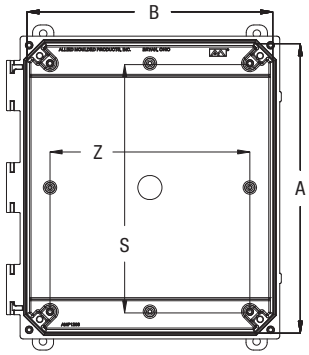
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6"x6" up through 14"x12"), 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6"x6" up through 14"x12"), 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, (6P for sizes 6"x6" up through 14"x12"), 12 and 13
  - IEC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

Construction

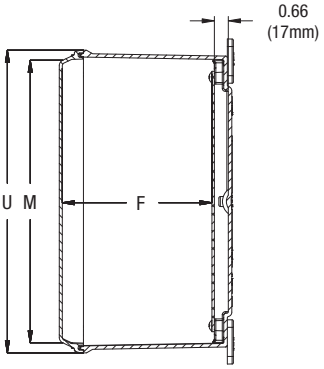
- Injection molded polycarbonate thermoplastic construction with flush, clear polycarbonate cover
- Enclosure base, feet, flanges — Light gray color (RAL 7035)
  Note: foot models mounting hardware supplied in a bag. Flanged models are pre-assembled
- 316 stainless steel captive cover screws
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel foot/flange mounting hardware
- Polycarbonate hinge clips (16" & 18" sizes)
- Molded-in hinge bosses removed for 6"x6", 8"x6", and 8"x8" enclosure sizes
- #10-32 threaded brass inserts are installed for back panel mounting

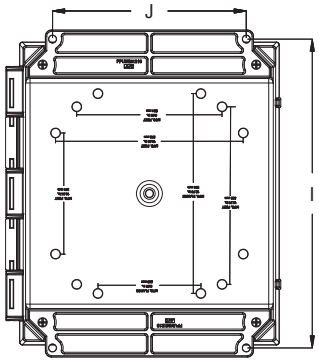
Accessories & Modifications

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



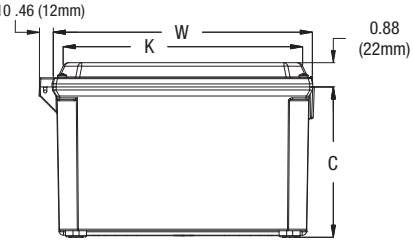
NOTE: COVER REMOVED FOR CLARITY



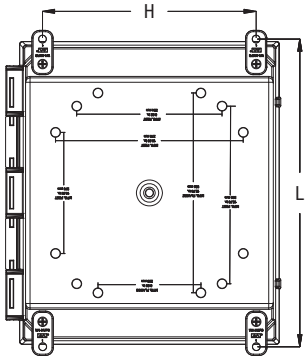


FLANGE MOUNT

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



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



FOOT MOUNT

Part No.	Box Size			Usable Depth	Panel Boss Centers		Back Panel Size			Flange Mount Centers		Foot Mount Centers		Cover Size			
	A	B	C	F	S	Z	Ht.	Wid.	P/N	J	I	H	L	K	M	W	U
AMP664CC	6.03	6.26	4.08	4.06	4.25	4.25	4.81	4.81	PL66 PLA66	4.00	6.88, 6.75	4.91	6.75	5.67	5.45	6.72	6.50
AMP664CCF	153mm	159mm	104mm	103mm	108mm	108mm	122mm	122mm		102mm	175, 171mm	125mm	171mm	144mm	139mm	171mm	165mm
AMP864CC	7.94	6.16	4.08	4.06	6.25	4.25	6.75	4.88	PL86 PLA86	4.00	8.88, 8.75	4.91	8.75	5.67	7.45	6.72	8.50
AMP864CCF	202mm	156mm	104mm	103mm	159mm	108mm	171mm	124mm		102mm	226, 222mm	125mm	222mm	144mm	189mm	171mm	216mm
AMP884CC	7.94	8.16	4.08	4.06	6.25	6.25	6.75	6.88	PL88 PLA88	6.00	8.75	6.91	8.75	7.67	7.45	8.72	8.50
AMP884CCF	202mm	207mm	104mm	103mm	159mm	159mm	171mm	175mm		152mm	222mm	175mm	222mm	195mm	189mm	221mm	216mm
AMP1082CC	9.93	8.15	2.70	2.68	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.67	8.72	10.50
AMP1082CCF	252mm	207mm	69mm	68mm	210mm	159mm	222mm	175mm		152mm	273mm	175mm	273mm	197mm	246mm	221mm	267mm
AMP1084CC	9.93	8.15	4.08	4.06	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.67	8.72	10.50
AMP1084CCF	252mm	207mm	104mm	103mm	210mm	159mm	222mm	175mm		152mm	273mm	175mm	273mm	197mm	246mm	221mm	267mm
AMP1086CC	9.90	8.12	5.94	6.06	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.67	8.72	10.50
AMP1086CCF	255mm	206mm	151mm	154mm	210mm	159mm	222mm	175mm		152mm	273mm	175mm	273mm	197mm	246mm	221mm	267mm
AMP1204CC	11.93	10.15	4.08	4.16	10.25	8.25	10.75	8.88	PL120 PLA120	8.00	12.75	8.82	12.70	9.75	11.53	10.72	12.50
AMP1204CCF	303mm	258mm	104mm	106mm	260mm	210mm	273mm	225mm		203mm	324mm	224mm	323mm	248mm	293mm	272mm	318mm
AMP1206CC	11.93	10.15	6.08	6.06	10.25	8.25	10.75	8.88	PL120 PLA120	8.00	12.75	8.82	12.70	9.75	11.53	10.72	12.50
AMP1206CCF	303mm	258mm	154mm	154mm	260mm	210mm	273mm	225mm		203mm	324mm	224mm	323mm	248mm	293mm	272mm	318mm
AMP1426CC	13.85	12.07	6.13	5.99	12.25	10.25	12.75	10.88	PL142 PLA142	10.01	14.75, 14.62	10.82	14.70	11.75	13.53	12.72	14.50
AMP1426CCF	352mm	307mm	156mm	152mm	311mm	260mm	324mm	276mm		254mm	375, 371mm	275mm	373mm	298mm	344mm	323mm	368mm
AMP1648CC	15.98	13.98	8.00	8.27	14.25	12.25	14.75	12.88	P164 PA164	12.00	17.75	11.47	17.91	13.56	15.74	15.04	17.23
AMP1648CCF	406mm	355mm	203mm	210mm	362mm	311mm	375mm	327mm		305mm	451mm	291mm	455mm	344mm	400mm	382mm	438mm
AMP1860CC	18.04	16.04	10.00	10.27	16.22	14.25	16.88	14.88	P186 PA186	12.00	19.63, 19.51	13.72	19.91	15.56	17.74	17.10	19.28
AMP1860CCF	458mm	407mm	254mm	261mm	412mm	362mm	429mm	378mm		305mm	499, 496mm	349mm	506mm	395mm	451mm	434mm	490mm

All dimensions are in inches unless otherwise noted
"I" dimensions with multiple numbers indicate slotted holes
All sizes 6" x 6" x 4" up through 14" x 12" x 6" are rated 6P (IP68)
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMP664CC)
Part numbers with "F" signify factory installed flanges (ex. AMP664CCF)
Back panel specifications found on page 130

Data subject to change without notice

AMP Series

JIC SIZE JUNCTION BOXES

Cover Type

Solid/Opaque

Closure Type

Hinged Screw Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in industrial control panels, pump controls/ waste water treatment, irrigation/water control, solar/ wind, and chemical plants

- Light weight, impact resistant and good corrosion resistance for many industrial enclosure applications and a great alternative to metallic enclosures
- Protects from dirt, dust, and water

Standards

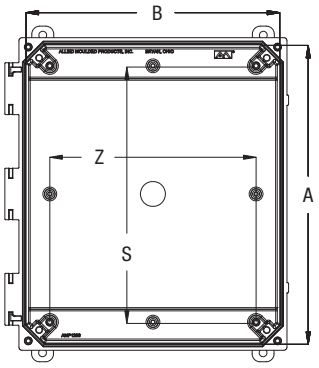
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

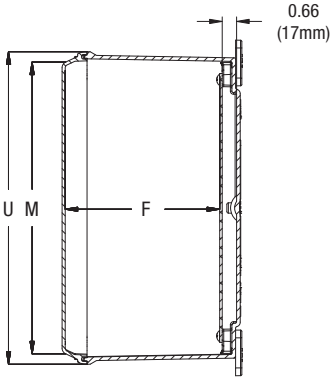
- Injection molded polycarbonate thermoplastic construction with flush, solid/opaque cover
- Opaque cover, base, feet, flanges — Light gray color (RAL 7035)
  Note: foot models mounting hardware supplied in a bag. Flanged models are pre-assembled
- 316 stainless steel captive cover screws
- Formed-In-Place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

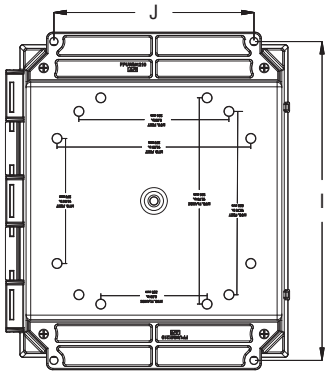
Accessories & Modifications

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



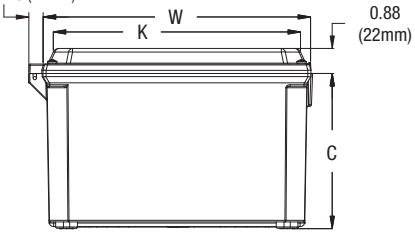
NOTE: COVER REMOVED FOR CLARITY



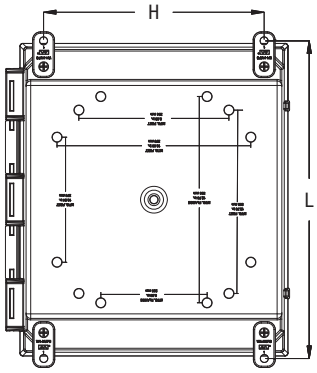


FLANGE MOUNT

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



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



FOOT MOUNT

Part No.	Box Size			Usable Depth	Panel Boss Centers		Back Panel Size			Flange Mount Centers		Foot Mount Centers		Cover Size			
	A	B	C	F	S	Z	Ht.	Wid.	P/N	J	I	H	L	K	M	W	U
AMP664H	6.03	6.26	4.08	4.06	4.25	4.25	4.81	4.81	PL66	4.00	6.88, 6.75	4.91	6.75	5.67	5.45	6.72	6.50
AMP664HF	153mm	159mm	104mm	103mm	108mm	108mm	122mm	122mm	PLA66	102mm	175, 171mm	125mm	171mm	144mm	139mm	171mm	165mm
AMP864H	7.94	6.16	4.08	4.06	6.25	4.25	6.75	4.88	PL86	4.00	8.88, 8.75	4.91	8.75	5.67	7.45	6.72	8.50
AMP864HF	202mm	156mm	104mm	103mm	159mm	108mm	171mm	124mm	PLA86	102mm	226, 222mm	125mm	222mm	144mm	189mm	171mm	216mm
AMP884H	7.94	8.16	4.08	4.06	6.25	6.25	6.75	6.88	PL88	6.00	8.75	6.91	8.75	7.67	7.45	8.72	8.50
AMP884HF	202mm	207mm	104mm	103mm	159mm	159mm	171mm	175mm	PLA88	152mm	222mm	175mm	222mm	195mm	189mm	221mm	216mm
AMP1082H	9.93	8.15	2.70	2.68	8.25	6.25	8.75	6.88	PL108	6.00	10.75	6.91	10.75	7.75	9.67	8.72	10.50
AMP1082HF	252mm	207mm	69mm	68mm	210mm	159mm	222mm	175mm	PLA108	152mm	273mm	175mm	273mm	197mm	246mm	221mm	267mm
AMP1084H	9.93	8.15	4.08	4.06	8.25	6.25	8.75	6.88	PL108	6.00	10.75	6.91	10.75	7.75	9.67	8.72	10.50
AMP1084HF	252mm	207mm	104mm	103mm	210mm	159mm	222mm	175mm	PLA108	152mm	273mm	175mm	273mm	197mm	246mm	221mm	267mm
AMP1086H	9.90	8.12	5.94	6.06	8.25	6.25	8.75	6.88	PL108	6.00	10.75	6.91	10.75	7.75	9.67	8.72	10.50
AMP1086HF	255mm	206mm	151mm	154mm	210mm	159mm	222mm	175mm	PLA108	152mm	273mm	175mm	273mm	197mm	246mm	221mm	267mm
AMP1204H	11.93	10.15	4.08	4.16	10.25	8.25	10.75	8.88	PL120	8.00	12.75	8.82	12.70	9.75	11.53	10.72	12.50
AMP1204HF	303mm	258mm	104mm	106mm	260mm	210mm	273mm	225mm	PLA120	203mm	324mm	224mm	323mm	248mm	293mm	272mm	318mm
AMP1206H	11.93	10.15	6.08	6.06	10.25	8.25	10.75	8.88	PL120	8.00	12.75	8.82	12.70	9.75	11.53	10.72	12.50
AMP1206HF	303mm	258mm	154mm	154mm	260mm	210mm	273mm	225mm	PLA120	203mm	324mm	224mm	323mm	248mm	293mm	272mm	318mm
AMP1426H	13.85	12.07	6.13	5.99	12.25	10.25	12.75	10.88	PL142	10.01	14.75, 14.62	10.82	14.70	11.75	13.53	12.72	14.50
AMP1426HF	352mm	307mm	156mm	152mm	311mm	260mm	324mm	276mm	PLA142	254mm	375, 371mm	275mm	373mm	298mm	344mm	323mm	368mm
AMP1648H	15.98	13.98	8.00	8.27	14.25	12.25	14.75	12.88	P164	12.00	17.75	11.47	17.91	13.56	15.74	15.04	17.23
AMP1648HF	406mm	355mm	203mm	210mm	362mm	311mm	375mm	327mm	PA164	305mm	451mm	291mm	455mm	344mm	400mm	382mm	438mm
AMP1860H	18.04	16.04	10.00	10.27	16.22	14.25	16.88	14.88	P186	12.00	19.63, 19.51	13.72	19.91	15.56	17.74	17.10	19.28
AMP1860HF	458mm	407mm	254mm	261mm	412mm	362mm	429mm	378mm	PA186	305mm	499, 496mm	349mm	506mm	395mm	451mm	434mm	490mm

All dimensions are in inches unless otherwise noted
"I" dimensions with multiple numbers indicate slotted holes
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMP664H)
Part numbers with "F" signify factory installed flanges (ex. AMP664HF)
Back panel specifications found on page 130

Data subject to change without notice

AMP Series

JIC SIZE JUNCTION BOXES

Cover Type

Clear Polycarbonate

Closure Type

Hinged Screw Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in industrial control panels, pump controls/ waste water treatment, irrigation/water control, solar/ wind, and chemical plants

- Light weight, impact resistant and good corrosion resistance for many industrial enclosure applications and a great alternative to metallic enclosures
- Protects from dirt, dust, and water
- Clear polycarbonate instrumentation cover, used in applications where critical electronic equipment must be visible and protected from the elements

Standards

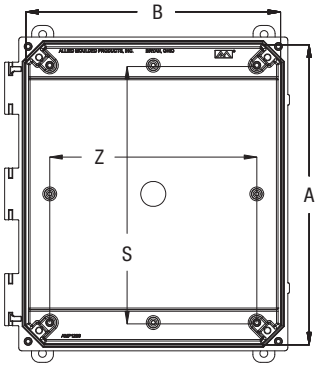
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

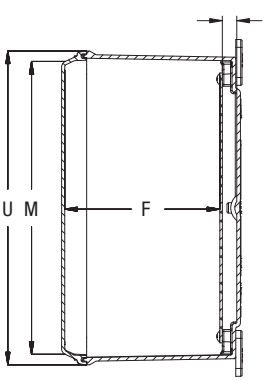
- Injection molded polycarbonate thermoplastic construction with flush, clear polycarbonate cover
- Enclosure base, feet, flanges — Light gray color (RAL 7035)
  Note: foot models mounting hardware supplied in a bag. Flanged models are pre-assembled
- 316 stainless steel captive cover screws
- Formed-In-Place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

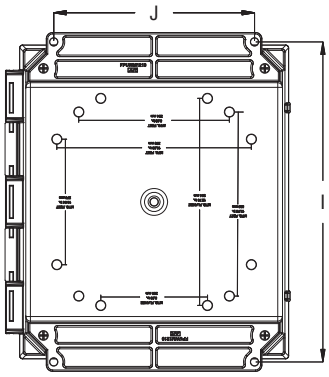
Accessories & Modifications

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



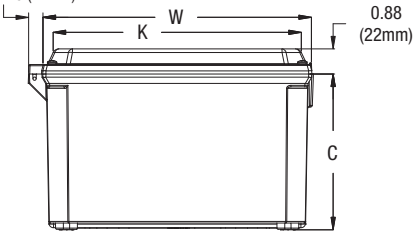
NOTE: COVER REMOVED FOR CLARITY



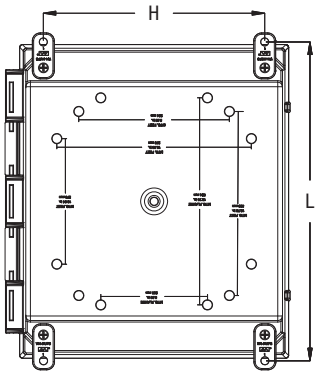


FLANGE MOUNT

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



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



FOOT MOUNT

Part No.	Box Size			Usable Depth	Panel Boss Centers		Back Panel Size			Flange Mount Centers		Foot Mount Centers		Cover Size			
	A	B	C	F	S	Z	Ht.	Wid.	P/N	J	I	H	L	K	M	W	U
AMP664CCH AMP664CCHF	6.03	6.26	4.08	4.06	4.25	4.25	4.81	4.81	PL66 PLA66	4.00	6.88, 6.75	4.91	6.75	5.67	5.45	6.72	6.50
	153mm	159mm	104mm	103mm	108mm	108mm	122mm	122mm		102mm	175, 171mm	125mm	171mm	144mm	139mm	171mm	165mm
AMP864CCH AMP864CCHF	7.94	6.16	4.08	4.06	6.25	4.25	6.75	4.88	PL86 PLA86	4.00	8.88, 8.75	4.91	8.75	5.67	7.45	6.72	8.50
	202mm	156mm	104mm	103mm	159mm	108mm	171mm	124mm		102mm	226, 222mm	125mm	222mm	144mm	189mm	171mm	216mm
AMP884CCH AMP884CCHF	7.94	8.16	4.08	4.06	6.25	6.25	6.75	6.88	PL88 PLA88	6.00	8.75	6.91	8.75	7.67	7.45	8.72	8.50
	202mm	207mm	104mm	103mm	159mm	159mm	171mm	175mm		152mm	222mm	175mm	222mm	195mm	189mm	221mm	216mm
AMP1082CCH AMP1082CCHF	9.93	8.15	2.70	2.68	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.67	8.72	10.50
	252mm	207mm	69mm	68mm	210mm	159mm	222mm	175mm		152mm	273mm	175mm	273mm	197mm	246mm	221mm	267mm
AMP1084CCH AMP1084CCHF	9.93	8.15	4.08	4.06	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.67	8.72	10.50
	252mm	207mm	104mm	103mm	210mm	159mm	222mm	175mm		152mm	273mm	175mm	273mm	197mm	246mm	221mm	267mm
AMP1086CCH AMP1086CCHF	9.90	8.12	5.94	6.06	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.67	8.72	10.50
	255mm	206mm	151mm	154mm	210mm	159mm	222mm	175mm		152mm	273mm	175mm	273mm	197mm	246mm	221mm	267mm
AMP1204CCH AMP1204CCHF	11.93	10.15	4.08	4.16	10.25	8.25	10.75	8.88	PL120 PLA120	8.00	12.75	8.82	12.70	9.75	11.53	10.72	12.50
	303mm	258mm	104mm	106mm	260mm	210mm	273mm	225mm		203mm	324mm	224mm	323mm	248mm	293mm	272mm	318mm
AMP1206CCH AMP1206CCHF	11.93	10.15	6.08	6.06	10.25	8.25	10.75	8.88	PL120 PLA120	8.00	12.75	8.82	12.70	9.75	11.53	10.72	12.50
	303mm	258mm	154mm	154mm	260mm	210mm	273mm	225mm		203mm	324mm	224mm	323mm	248mm	293mm	272mm	318mm
AMP1426CCH AMP1426CCHF	13.85	12.07	6.13	5.99	12.25	10.25	12.75	10.88	PL142 PLA142	10.01	14.75, 14.62	10.82	14.70	11.75	13.53	12.72	14.50
	352mm	307mm	156mm	152mm	311mm	260mm	324mm	276mm		254mm	375, 371mm	275mm	373mm	298mm	344mm	323mm	368mm
AMP1648CCH AMP1648CCHF	15.98	13.98	8.00	8.27	14.25	12.25	14.75	12.88	P164 PA164	12.00	17.75	11.47	17.91	13.56	15.74	15.04	17.23
	406mm	355mm	203mm	210mm	362mm	311mm	375mm	327mm		305mm	451mm	291mm	455mm	344mm	400mm	382mm	438mm
AMP1860CCH AMP1860CCHF	18.04	16.04	10.00	10.27	16.22	14.25	16.88	14.88	P186 PA186	12.00	19.63, 19.51	13.72	19.91	15.56	17.74	17.10	19.28
	458mm	407mm	254mm	261mm	412mm	362mm	429mm	378mm		305mm	499, 496mm	349mm	506mm	395mm	451mm	434mm	490mm

All dimensions are in inches unless otherwise noted
"I" dimensions with multiple numbers indicate slotted holes
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMP664CCH)
Part numbers with "F" signify factory installed flanges (ex. AMP664CCHF)
Back panel specifications found on page 130

Data subject to change without notice

AMP Series

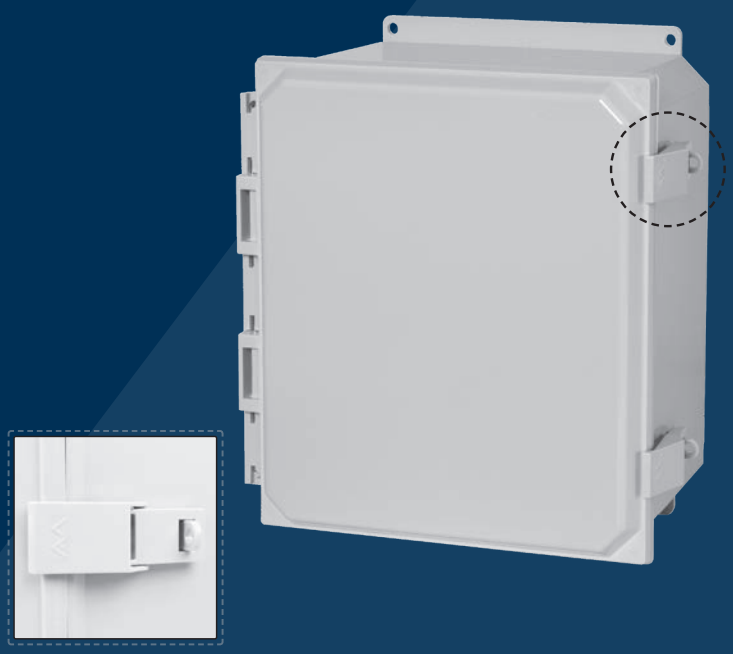
JIC SIZE JUNCTION BOXES

Cover Type

Solid/Opaque

Closure Type

Nonmetal Snap Latch
Hinged Cover



Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in industrial control panels, pump controls/ waste water treatment, irrigation/water control, solar/ wind, and chemical plants

- Light weight, impact resistant and good corrosion resistance for many industrial enclosure applications and a great alternative to metallic enclosures
- Protects from dirt, dust, and water

Standards

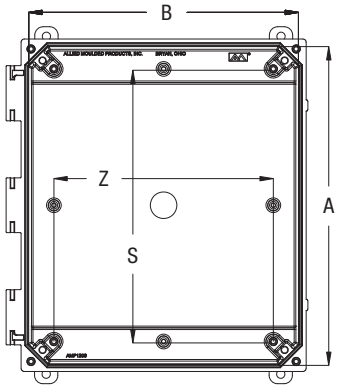
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

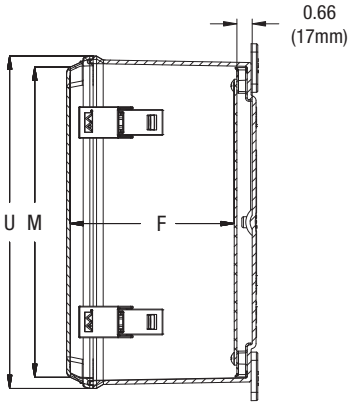
- Injection molded polycarbonate thermoplastic construction with flush, solid/opaque cover
- Opaque cover, base, snap latches, feet, flanges — Light gray color (RAL 7035)
  Note: foot models mounting hardware supplied in a bag. Flanged models are pre-assembled
- Polycarbonate snap latches feature padlock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

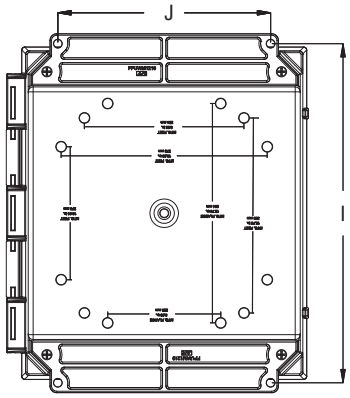
Accessories & Modifications

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



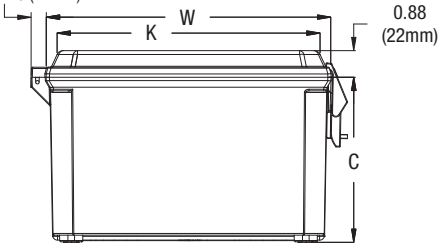
NOTE: COVER REMOVED FOR CLARITY





FLANGE MOUNT

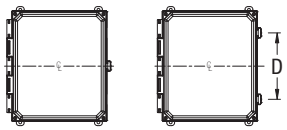
6 x 6 x 4 - 14 x 12 x 6 0.56 (14mm)
16 x 14 x 8 .36 (9mm)
18 x 16 x 10 .46 (12mm)

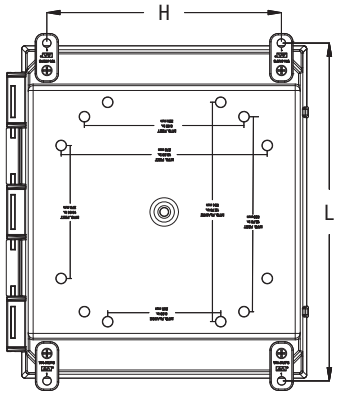


*Nom. Wall Thickness: .14 (4mm)
14" thru 18" sizes: .19 (5mm)

LATCH LOCATIONS

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





FOOT MOUNT

Part No.	Box Size			Usable Depth	Panel Boss Centers		Back Panel Size			Flange Mount Centers		Foot Mount Centers		Cover Size			
	A	B	C	F	S	Z	Ht.	Wid.	P/N	J	I	H	L	K	M	W	U
AMP664NL AMP664NLF	6.03	6.26	4.08	4.06	4.25	4.25	4.81	4.81	PL66 PLA66	4.00	6.88, 6.75	4.91	6.75	5.67	5.45	6.72	6.50
	153mm	159mm	104mm	103mm	108mm	108mm	122mm	122mm		102mm	175, 171mm	125mm	171mm	144mm	139mm	171mm	165mm
AMP864NL AMP864NLF	7.94	6.16	4.08	4.06	6.25	4.25	6.75	4.88	PL86 PLA86	4.00	8.88, 8.75	4.91	8.75	5.67	7.45	6.72	8.50
	202mm	156mm	104mm	103mm	159mm	108mm	171mm	124mm		102mm	226, 222mm	125mm	222mm	144mm	189mm	171mm	216mm
AMP884NL AMP884NLF	7.94	8.16	4.08	4.06	6.25	6.25	6.75	6.88	PL88 PLA88	6.00	8.75	6.91	8.75	7.67	7.45	8.72	8.50
	202mm	207mm	104mm	103mm	159mm	159mm	171mm	175mm		152mm	222mm	175mm	222mm	195mm	189mm	221mm	216mm
AMP1084NL AMP1084NLF	9.93	8.15	4.08	4.06	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.67	8.72	10.50
	252mm	207mm	104mm	103mm	210mm	159mm	222mm	175mm		152mm	273mm	175mm	273mm	197mm	246mm	221mm	267mm
AMP1086NL AMP1086NLF	9.90	8.12	5.94	6.06	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.67	8.72	10.50
	255mm	206mm	151mm	154mm	210mm	159mm	222mm	175mm		152mm	273mm	175mm	273mm	197mm	246mm	221mm	267mm
AMP1204NL AMP1204NLF	11.93	10.15	4.08	4.16	10.25	8.25	10.75	8.88	PL120 PLA120	8.00	12.75	8.82	12.70	9.75	11.53	10.72	12.50
	303mm	258mm	104mm	106mm	260mm	210mm	273mm	225mm		203mm	324mm	224mm	323mm	248mm	293mm	272mm	318mm
AMP1206NL AMP1206NLF	11.93	10.15	6.08	6.06	10.25	8.25	10.75	8.88	PL120 PLA120	8.00	12.75	8.82	12.70	9.75	11.53	10.72	12.50
	303mm	258mm	154mm	154mm	260mm	210mm	273mm	225mm		203mm	324mm	224mm	323mm	248mm	293mm	272mm	318mm
AMP1426NL AMP1426NLF	13.85	12.07	6.13	5.99	12.25	10.25	12.75	10.88	PL142 PLA142	10.01	14.75, 14.62	10.82	14.70	11.75	13.53	12.72	14.50
	352mm	307mm	156mm	152mm	311mm	260mm	324mm	276mm		254mm	375, 371mm	275mm	373mm	298mm	344mm	323mm	368mm
AMP1648NL AMP1648NLF	15.98	13.98	8.00	8.27	14.25	12.25	14.75	12.88	P164 PA164	12.00	17.75	11.47	17.91	13.56	15.74	15.04	17.23
	406mm	355mm	203mm	210mm	362mm	311mm	375mm	327mm		305mm	451mm	291mm	455mm	344mm	400mm	382mm	438mm
AMP1860NL AMP1860NLF	18.04	16.04	10.00	10.27	16.22	14.25	16.88	14.88	P186 PA186	12.00	19.63, 19.51	13.72	19.91	15.56	17.74	17.10	19.28
	458mm	407mm	254mm	261mm	412mm	362mm	429mm	378mm		305mm	499, 496mm	349mm	506mm	395mm	451mm	434mm	490mm

All dimensions are in inches unless otherwise noted
"I" dimensions with multiple numbers indicate slotted holes
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMP664NL)
Part numbers with "F" signify factory installed flanges (ex. AMP664NLF)
Back panel specifications found on page 130

Data subject to change without notice

AMP Series

JIC SIZE JUNCTION BOXES

Cover Type

Clear Polycarbonate

Closure Type

Nonmetal Snap Latch
Hinged Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in industrial control panels, pump controls/ waste water treatment, irrigation/water control, solar/ wind, and chemical plants

- Light weight, impact resistant and good corrosion resistance for many industrial enclosure applications and a great alternative to metallic enclosures
- Protects from dirt, dust, and water
- Clear polycarbonate instrumentation cover, used in applications where critical electronic equipment must be visible and protected from the elements

Standards

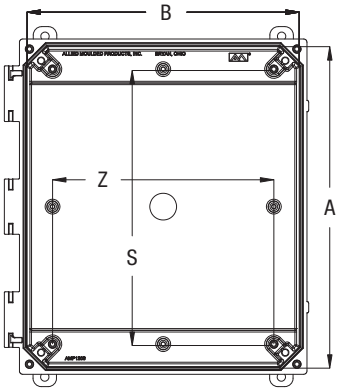
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

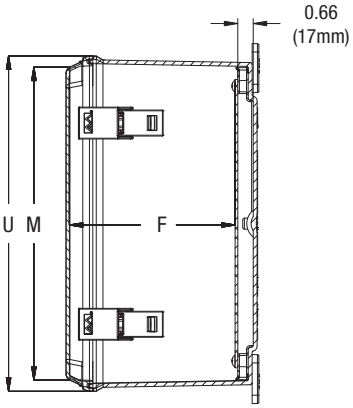
- Injection molded polycarbonate thermoplastic construction with flush, clear polycarbonate cover
- Enclosure base, feet, flanges — Light gray color (RAL 7035)
  Note: foot models mounting hardware supplied in a bag. Flanged models are pre-assembled
- Polycarbonate snap latches feature padlock hasp (.281"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

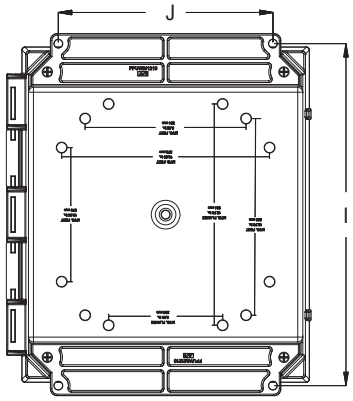
Accessories & Modifications

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



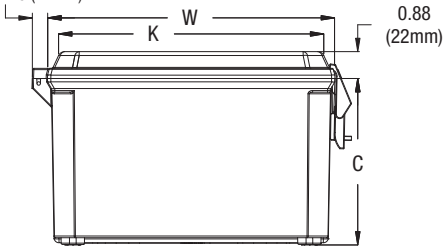
NOTE: COVER REMOVED FOR CLARITY





FLANGE MOUNT

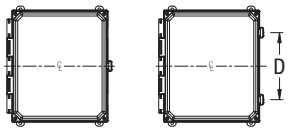
6 x 6 x 4 - 14 x 12 x 6 0.56 (14mm)
16 x 14 x 8 .36 (9mm)
18 x 16 x 10 .46 (12mm)

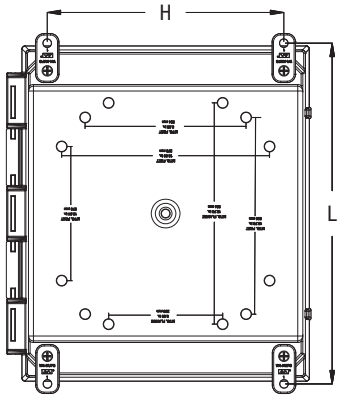


*Nom. Wall Thickness: .14 (4mm)
14" thru 18" sizes: .19 (5mm)

LATCH LOCATIONS

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





FOOT MOUNT

Part No.	Box Size			Usable Depth	Panel Boss Centers		Back Panel Size			Flange Mount Centers		Foot Mount Centers		Cover Size			
	A	B	C	F	S	Z	Ht.	Wid.	P/N	J	I	H	L	K	M	W	U
AMP664CCNL AMP664CCNLF	6.03	6.26	4.08	4.06	4.25	4.25	4.81	4.81	PL66 PLA66	4.00	6.88, 6.75	4.91	6.75	5.67	5.45	6.72	6.50
	153mm	159mm	104mm	103mm	108mm	108mm	122mm	122mm		102mm	175, 171mm	125mm	171mm	144mm	139mm	171mm	165mm
AMP864CCNL AMP864CCNLF	7.94	6.16	4.08	4.06	6.25	4.25	6.75	4.88	PL86 PLA86	4.00	8.88, 8.75	4.91	8.75	5.67	7.45	6.72	8.50
	202mm	156mm	104mm	103mm	159mm	108mm	171mm	124mm		102mm	226, 222mm	125mm	222mm	144mm	189mm	171mm	216mm
AMP884CCNL AMP884CCNLF	7.94	8.16	4.08	4.06	6.25	6.25	6.75	6.88	PL88 PLA88	6.00	8.75	6.91	8.75	7.67	7.45	8.72	8.50
	202mm	207mm	104mm	103mm	159mm	159mm	171mm	175mm		152mm	222mm	175mm	222mm	195mm	189mm	221mm	216mm
AMP1084CCNL AMP1084CCNLF	9.93	8.15	4.08	4.06	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.67	8.72	10.50
	252mm	207mm	104mm	103mm	210mm	159mm	222mm	175mm		152mm	273mm	175mm	273mm	197mm	246mm	221mm	267mm
AMP1086CCNL AMP1086CCNLF	9.90	8.12	5.94	6.06	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.67	8.72	10.50
	255mm	206mm	151mm	154mm	210mm	159mm	222mm	175mm		152mm	273mm	175mm	273mm	197mm	246mm	221mm	267mm
AMP1204CCNL AMP1204CCNLF	11.93	10.15	4.08	4.16	10.25	8.25	10.75	8.88	PL120 PLA120	8.00	12.75	8.82	12.70	9.75	11.53	10.72	12.50
	303mm	258mm	104mm	106mm	260mm	210mm	273mm	225mm		203mm	324mm	224mm	323mm	248mm	293mm	272mm	318mm
AMP1206CCNL AMP1206CCNLF	11.93	10.15	6.08	6.06	10.25	8.25	10.75	8.88	PL120 PLA120	8.00	12.75	8.82	12.70	9.75	11.53	10.72	12.50
	303mm	258mm	154mm	154mm	260mm	210mm	273mm	225mm		203mm	324mm	224mm	323mm	248mm	293mm	272mm	318mm
AMP1426CCNL AMP1426CCNLF	13.85	12.07	6.13	5.99	12.25	10.25	12.75	10.88	PL142 PLA142	10.01	14.75, 14.62	10.82	14.70	11.75	13.53	12.72	14.50
	352mm	307mm	156mm	152mm	311mm	260mm	324mm	276mm		254mm	375, 371mm	275mm	373mm	298mm	344mm	323mm	368mm
AMP1648CCNL AMP1648CCNLF	15.98	13.98	8.00	8.27	14.25	12.25	14.75	12.88	P164 PA164	12.00	17.75	11.47	17.91	13.56	15.74	15.04	17.23
	406mm	355mm	203mm	210mm	362mm	311mm	375mm	327mm		305mm	451mm	291mm	455mm	344mm	400mm	382mm	438mm
AMP1860CCNL AMP1860CCNLF	18.04	16.04	10.00	10.27	16.22	14.25	16.88	14.88	P186 PA186	12.00	19.63, 19.51	13.72	19.91	15.56	17.74	17.10	19.28
	458mm	407mm	254mm	261mm	412mm	362mm	429mm	378mm		305mm	499, 496mm	349mm	506mm	395mm	451mm	434mm	490mm

All dimensions are in inches unless otherwise noted
"l" dimensions with multiple numbers indicate slotted holes
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMP664CCNL)
Part numbers with "F" signify factory installed flanges (ex. AMP664CCNLF)
Back panel specifications found on page 130

Data subject to change without notice

AMP Series

JIC SIZE JUNCTION BOXES

Cover Type

Solid/Opaque

Closure Type

Snap Latch Hinged Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in industrial control panels, pump controls/ waste water treatment, irrigation/water control, solar/ wind, and chemical plants

- Light weight, impact resistant and good corrosion resistance for many industrial enclosure applications and a great alternative to metallic enclosures
- Protects from dirt, dust, and water

Standards

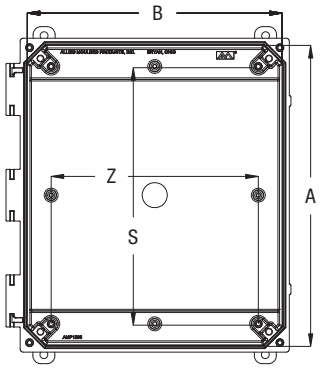
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

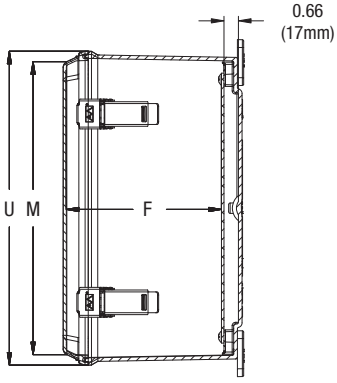
- Injection molded polycarbonate thermoplastic construction with flush, solid/opaque cover
- Opaque cover, base, feet, flanges — Light gray color (RAL 7035)
  Note: foot models mounting hardware supplied in a bag. Flanged models are pre-assembled
- 316 stainless steel snap latches feature padlock hasp (.375" dia.)—(AMP1082 .354" dia.)
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel foot/flange mounting hardware
- 316 stainless steel hinge pin (6"-14" sizes)
- Polycarbonate hinge clips (16" & 18" sizes)
- #10-32 threaded brass inserts are installed for back panel mounting

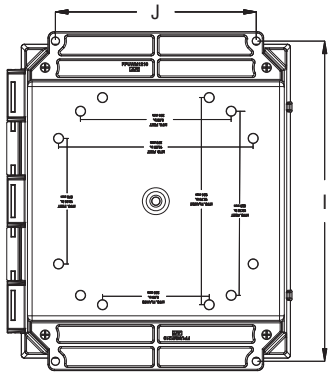
Accessories & Modifications

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



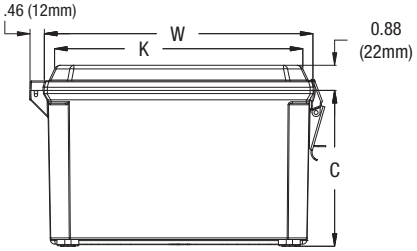
NOTE: COVER REMOVED FOR CLARITY





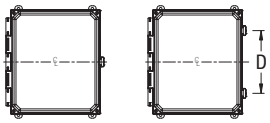
FLANGE MOUNT

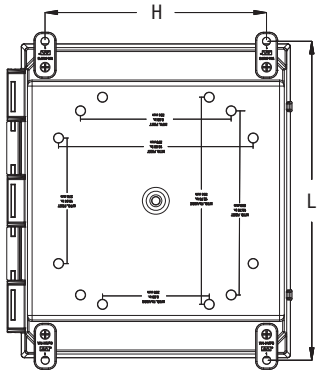
6 x 6 x 4 - 14 x 12 x 6 0.56 (14mm)
16 x 14 x 8 .36 (9mm)
18 x 16 x 10 .46 (12mm)



LATCH LOCATIONS

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





FOOT MOUNT

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

Part No.	Box Size			Usable Depth	Panel Boss Centers		Back Panel Size			Flange Mount Centers		Foot Mount Centers		Cover Size			
	A	B	C	F	S	Z	Ht.	Wid.	P/N	J	I	H	L	K	M	W	U
AMP664L AMP664LF	6.03	6.26	4.08	4.06	4.25	4.25	4.81	4.81	PL66 PLA66	4.00	6.88, 6.75	4.91	6.75	5.67	5.45	6.72	6.50
	153mm	159mm	104mm	103mm	108mm	108mm	122mm	122mm		102mm	175, 171mm	125mm	171mm	144mm	139mm	171mm	165mm
AMP864L AMP864LF	7.94	6.16	4.08	4.06	6.25	4.25	6.75	4.88	PL86 PLA86	4.00	8.88, 8.75	4.91	8.75	5.67	7.45	6.72	8.50
	202mm	156mm	104mm	103mm	159mm	108mm	171mm	124mm		102mm	226, 222mm	125mm	222mm	144mm	189mm	171mm	216mm
AMP884L AMP884LF	7.94	8.16	4.08	4.06	6.25	6.25	6.75	6.88	PL88 PLA88	6.00	8.75	6.91	8.75	7.67	7.45	8.72	8.50
	202mm	207mm	104mm	103mm	159mm	159mm	171mm	175mm		152mm	222mm	175mm	222mm	195mm	189mm	221mm	216mm
AMP1082L AMP1082LF	9.93	8.15	2.70	2.68	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.67	8.72	10.50
	252mm	207mm	69mm	68mm	210mm	159mm	222mm	175mm		152mm	273mm	175mm	273mm	197mm	246mm	221mm	267mm
AMP1084L AMP1084LF	9.93	8.15	4.08	4.06	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.67	8.72	10.50
	252mm	207mm	104mm	103mm	210mm	159mm	222mm	175mm		152mm	273mm	175mm	273mm	197mm	246mm	221mm	267mm
AMP1086L AMP1086LF	9.90	8.12	5.94	6.06	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.67	8.72	10.50
	255mm	206mm	151mm	154mm	210mm	159mm	222mm	175mm		152mm	273mm	175mm	273mm	197mm	246mm	221mm	267mm
AMP1204L AMP1204LF	11.93	10.15	4.08	4.16	10.25	8.25	10.75	8.88	PL120 PLA120	8.00	12.75	8.82	12.70	9.75	11.53	10.72	12.50
	303mm	258mm	104mm	106mm	260mm	210mm	273mm	225mm		203mm	324mm	224mm	323mm	248mm	293mm	272mm	318mm
AMP1206L AMP1206LF	11.93	10.15	6.08	6.06	10.25	8.25	10.75	8.88	PL120 PLA120	8.00	12.75	8.82	12.70	9.75	11.53	10.72	12.50
	303mm	258mm	154mm	154mm	260mm	210mm	273mm	225mm		203mm	324mm	224mm	323mm	248mm	293mm	272mm	318mm
AMP1426L AMP1426LF	13.85	12.07	6.13	5.99	12.25	10.25	12.75	10.88	PL142 PLA142	10.01	14.75, 14.62	10.82	14.70	11.75	13.53	12.72	14.50
	352mm	307mm	156mm	152mm	311mm	260mm	324mm	276mm		254mm	375, 371mm	275mm	373mm	298mm	344mm	323mm	368mm
AMP1648L AMP1648LF	15.98	13.98	8.00	8.27	14.25	12.25	14.75	12.88	P164 PA164	12.00	17.75	11.47	17.91	13.56	15.74	15.04	17.23
	406mm	355mm	203mm	210mm	362mm	311mm	375mm	327mm		305mm	451mm	291mm	455mm	344mm	400mm	382mm	438mm
AMP1860L AMP1860LF	18.04	16.04	10.00	10.27	16.22	14.25	16.88	14.88	P186 PA186	12.00	19.63, 19.51	13.72	19.91	15.56	17.74	17.10	19.28
	458mm	407mm	254mm	261mm	412mm	362mm	429mm	378mm		305mm	499, 496mm	349mm	506mm	395mm	451mm	434mm	490mm

All dimensions are in inches unless otherwise noted
"I" dimensions with multiple numbers indicate slotted holes
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMP664L)
Part numbers with "F" signify factory installed flanges (ex. AMP664LF)
Back panel specifications found on page 130

Data subject to change without notice

AMP Series

JIC SIZE JUNCTION BOXES

Cover Type

Clear Polycarbonate

Closure Type

Snap Latch Hinged Cover

Application

Designed to insulate and protect controls and components in both indoor and outdoor applications often found in industrial control panels, pump controls/ waste water treatment, irrigation/water control, solar/ wind, and chemical plants

- Light weight, impact resistant and good corrosion resistance for many industrial enclosure applications and a great alternative to metallic enclosures
- Protects from dirt, dust, and water
- Clear polycarbonate instrumentation cover, used in applications where critical electronic equipment must be visible and protected from the elements

Standards

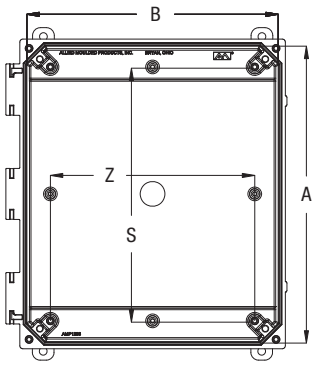
- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- Complies with:
  - NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
  - IEC 60529 Type IP66
  - RoHS directive

Construction

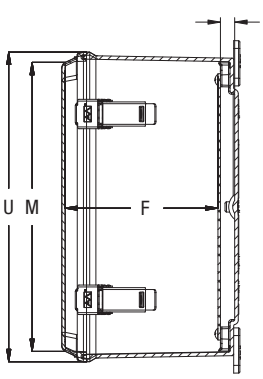
- Injection molded polycarbonate thermoplastic construction with flush, clear polycarbonate cover
- Enclosure base, feet, flanges — Light gray color (RAL 7035)
  Note: foot models mounting hardware supplied in a bag. Flanged models are pre-assembled
- 316 stainless steel snap latches feature padlock hasp (.375" dia.)—(AMP1082 .354" dia.)
- Formed-In-Place (FIP) polyurethane gasket system encased in continuous channel
- 316 stainless steel foot/flange mounting hardware
- 316 stainless steel hinge pin (6"-14" sizes)
- Polycarbonate hinge clips (16" & 18" sizes)
- #10-32 threaded brass inserts are installed for back panel mounting

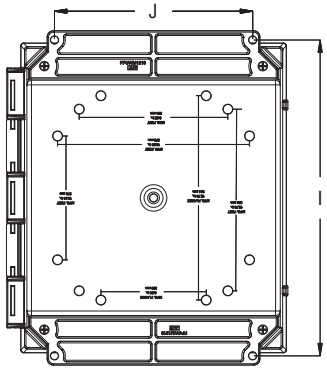
Accessories & Modifications

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



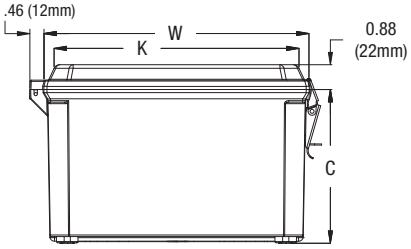
NOTE: COVER REMOVED FOR CLARITY





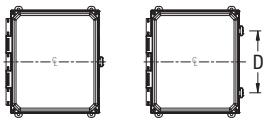
FLANGE MOUNT

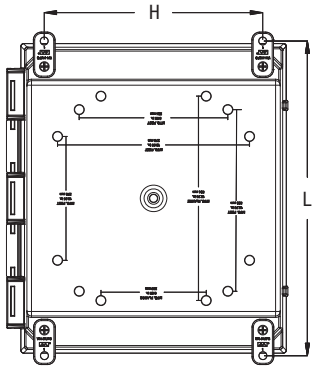
6 x 6 x 4 - 14 x 12 x 6 0.56 (14mm)
16 x 14 x 8 .36 (9mm)
18 x 16 x 10 .46 (12mm)



LATCH LOCATIONS

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





FOOT MOUNT

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

Part No.	Box Size			Usable Depth	Panel Boss Centers		Back Panel Size			Flange Mount Centers		Foot Mount Centers		Cover Size			
	A	B	C	F	S	Z	Ht.	Wid.	P/N	J	I	H	L	K	M	W	U
AMP664CCL AMP664CCLF	6.03	6.26	4.08	4.06	4.25	4.25	4.81	4.81	PL66 PLA66	4.00	6.88, 6.75	4.91	6.75	5.67	5.45	6.72	6.50
	153mm	159mm	104mm	103mm	108mm	108mm	122mm	122mm		102mm	175, 171mm	125mm	171mm	144mm	139mm	171mm	165mm
AMP864CCL AMP864CCLF	7.94	6.16	4.08	4.06	6.25	4.25	6.75	4.88	PL86 PLA86	4.00	8.88, 8.75	4.91	8.75	5.67	7.45	6.72	8.50
	202mm	156mm	104mm	103mm	159mm	108mm	171mm	124mm		102mm	226, 222mm	125mm	222mm	144mm	189mm	171mm	216mm
AMP884CCL AMP884CCLF	7.94	8.16	4.08	4.06	6.25	6.25	6.75	6.88	PL88 PLA88	6.00	8.75	6.91	8.75	7.67	7.45	8.72	8.50
	202mm	207mm	104mm	103mm	159mm	159mm	171mm	175mm		152mm	222mm	175mm	222mm	195mm	189mm	221mm	216mm
AMP1082CCL AMP1082CCLF	9.93	8.15	2.70	2.68	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.67	8.72	10.50
	252mm	207mm	69mm	68mm	210mm	159mm	222mm	175mm		152mm	273mm	175mm	273mm	197mm	246mm	221mm	267mm
AMP1084CCL AMP1084CCLF	9.93	8.15	4.08	4.06	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.67	8.72	10.50
	252mm	207mm	104mm	103mm	210mm	159mm	222mm	175mm		152mm	273mm	175mm	273mm	197mm	246mm	221mm	267mm
AMP1086CCL AMP1086CCLF	9.90	8.12	5.94	6.06	8.25	6.25	8.75	6.88	PL108 PLA108	6.00	10.75	6.91	10.75	7.75	9.67	8.72	10.50
	255mm	206mm	151mm	154mm	210mm	159mm	222mm	175mm		152mm	273mm	175mm	273mm	197mm	246mm	221mm	267mm
AMP1204CCL AMP1204CCLF	11.93	10.15	4.08	4.16	10.25	8.25	10.75	8.88	PL120 PLA120	8.00	12.75	8.82	12.70	9.75	11.53	10.72	12.50
	303mm	258mm	104mm	106mm	260mm	210mm	273mm	225mm		203mm	324mm	224mm	323mm	248mm	293mm	272mm	318mm
AMP1206CCL AMP1206CCLF	11.93	10.15	6.08	6.06	10.25	8.25	10.75	8.88	PL120 PLA120	8.00	12.75	8.82	12.70	9.75	11.53	10.72	12.50
	303mm	258mm	154mm	154mm	260mm	210mm	273mm	225mm		203mm	324mm	224mm	323mm	248mm	293mm	272mm	318mm
AMP1426CCL AMP1426CCLF	13.85	12.07	6.13	5.99	12.25	10.25	12.75	10.88	PL142 PLA142	10.01	14.75, 14.62	10.82	14.70	11.75	13.53	12.72	14.50
	352mm	307mm	156mm	152mm	311mm	260mm	324mm	276mm		254mm	375, 371mm	275mm	373mm	298mm	344mm	323mm	368mm
AMP1648CCL AMP1648CCLF	15.98	13.98	8.00	8.27	14.25	12.25	14.75	12.88	P164 PA164	12.00	17.75	11.47	17.91	13.56	15.74	15.04	17.23
	406mm	355mm	203mm	210mm	362mm	311mm	375mm	327mm		305mm	451mm	291mm	455mm	344mm	400mm	382mm	438mm
AMP1860CCL AMP1860CCLF	18.04	16.04	10.00	10.27	16.22	14.25	16.88	14.88	P186 PA186	12.00	19.63, 19.51	13.72	19.91	15.56	17.74	17.10	19.28
	458mm	407mm	254mm	261mm	412mm	362mm	429mm	378mm		305mm	499, 496mm	349mm	506mm	395mm	451mm	434mm	490mm

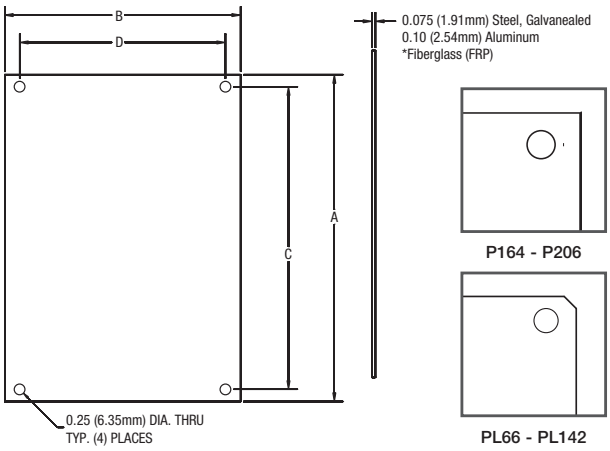
All dimensions are in inches unless otherwise noted
"I" dimensions with multiple numbers indicate slotted holes
Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMP664CCL)
Part numbers with "F" signify factory installed flanges (ex. AMP664CCLF)
Back panel specifications found on page 130

Data subject to change without notice

Back Panels

Small Junction Boxes		
Optional Aluminum / Fiberglass Back Panel		
Part No.	**Height**	**Width**
PA74, PF74	4.00	3.13
	102mm	80mm
PA94, PF94	6.25	3.13
	159mm	80mm

All dimensions are in inches unless otherwise noted.
"PA" denotes aluminum, "PF" denotes fiberglass
Thickness; “PA” (.100) “PF” (.125)



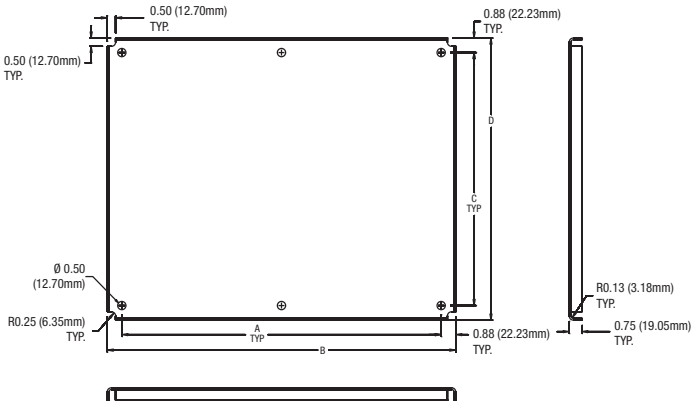
Optional Back Panel Base Part #'s	
Prefix	**Material Description**
P, PL	White Painted Carbon Steel
PA, PLA	Aluminum
PF	Fiberglass
PG	Galvannealed

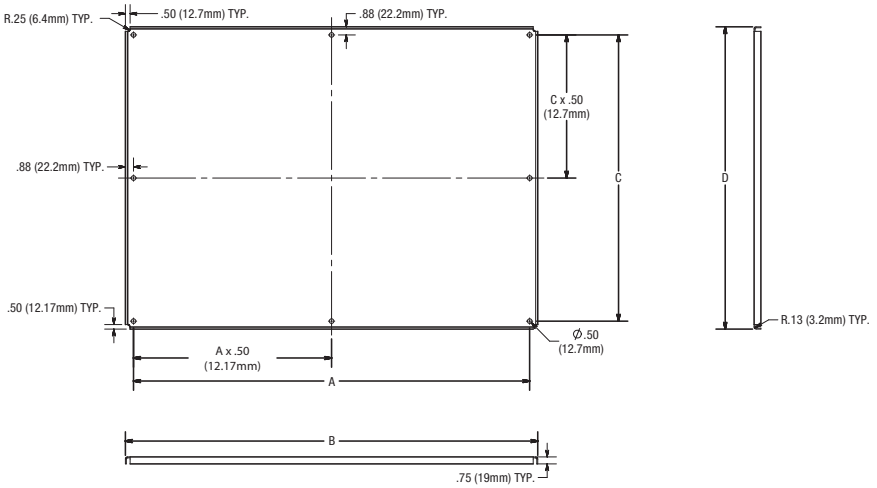
AM, AMHD, AMU, AM-R Series (JIC Sizes)							
Steel	**Alum**	**FRP**	**Galv**	**A**	**B**	**C**	**D**
PL66 (Replaces P66)	PLA66 (Replaces PA66)	PF66	PG66	4.81	4.81	4.25	4.25
				122mm	122mm	108mm	108mm
PL86 (Replaces P86)	PLA86 (Replaces PA86)	PF86	PG86	6.75	4.88	6.25	4.25
				171mm	124mm	159mm	108mm
PL108 (Replaces P108)	PLA108 (Replaces PA108)	PF108	PG108	8.75	6.88	8.25	6.25
				222mm	175mm	210mm	159mm
PL120 (Replaces P120)	PLA120 (Replaces PA120)	PF120	PG120	10.75	8.88	10.25	8.25
				273mm	226mm	260mm	210mm
PL122	PLA122	PF122	PG122	10.75	10.75	10.25	10.25
				273mm	273mm	260mm	260mm
PL142 (Replaces P142)	PLA142 (Replaces PA142)	PF142	PG142	12.75	10.88	12.25	10.25
				324mm	276mm	311mm	260mm
P164	PA164	PF164	PG164	14.75	12.88	14.25	12.25
				375mm	327mm	362mm	311mm
P186	PA186	PF186	PG186	16.88	14.88	16.25	14.25
				429mm	378mm	413mm	362mm
P206	PA206	PF206	PG206	18.44	14.44	17.81	13.81
				468mm	367mm	452mm	351mm

Fiberglass panel thickness: (0.125") PF66, PF86, PF108; (0.187") PF120, PF142, PF164; (0.250") PF186, PF206

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

Back panels have changed from 4 holes to 6 holes





Empire Series				
Steel	**A**	**B**	**C**	**D**
P3630CS	31.24	33.00	25.24	27.00
	793mm	838mm	641mm	686mm
P3636CS	31.24	33.00	31.24	33.00
	793mm	838mm	793mm	838mm
P4836CS	43.24	45.00	31.24	33.00
	1,098mm	1,143mm	793mm	838mm
P6036CS	55.24	57.00	31.24	33.00
	1,403mm	1,448mm	793mm	838mm

Refer to key above for back panel material type

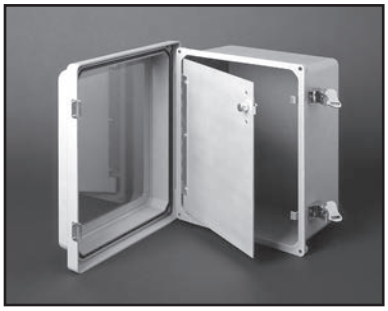
AM-R Series: Aluminum Hinged Front Panels

HFP – Used with raised cover only

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 Control Series	
Part No.	**Panel Dim. (H x W x D)**
HFP2420	23.25 x 19.375 x .09
	591mm x 492mm x 2.3mm
HFP2424	23.38 x 23.25 x .09
	594mm x 591mm x 2.3mm
HFP3024	29.25 x 23.38 x .09
	743mm x 594mm x 2.3mm
HFP4032	37.00 x 28.50 x .09
	940mm x 724mm x 2.3mm



Note: Please refer to website www.alliedmoulded.com for installed HFP drawings and dimensional information.

AM-R JIC Series	
Part No.	**Panel Dim. (H x W x D)**
HFP66	5.60 x 5.60 x .09
	142mm x 142mm x 2.3mm
HFP86	7.50 x 5.63 x .09
	191mm x 143mm x 2.3mm
HFP108	9.50 x 7.50 x .09
	241mm x 191mm x 2.3mm
HFP120	11.50 x 9.50 x .09
	292mm x 241mm x 2.3mm
HFP122	11.50 x 11.50 x .09
	292mm x 292mm x 2.3mm
HFP142	13.50 x 11.50 x .09
	343mm x 292mm x 2.3mm
HFP164	15.50 x 13.50 x .09
	394mm x 343mm x 2.3mm
HFP186*	17.63 x 15.63 x .09
	448mm x 397mm x 2.3mm
HFP206	19.25 x 15.25 x .09
	489mm x 387mm x 2.3mm

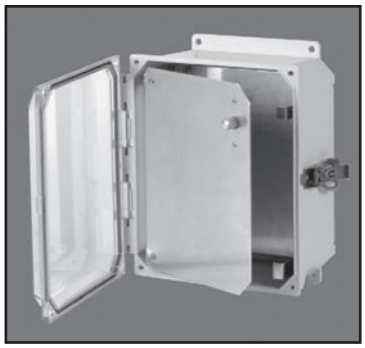
*Standard HFP186 doesn't fit in AMHD product.

AMU Series: Aluminum Hinged Front Panels

HFPU

FEATURES:

- Panels designed to offer both a professional instrumentation display and a safety divider for electric wiring inside the enclosure
- Completely field-installable panel design. Installation instruction sheet included.
- Latch design secures panel in place with one-quarter turn
- For use with enclosures from 6" x 6" through 20" x 16"
- Panel modifications available include: cut-in holes and screen printing
- Compliant with RoHS directive



Note: Please refer to website www.alliedmoulded.com for installed HFPU drawings and dimensional information.

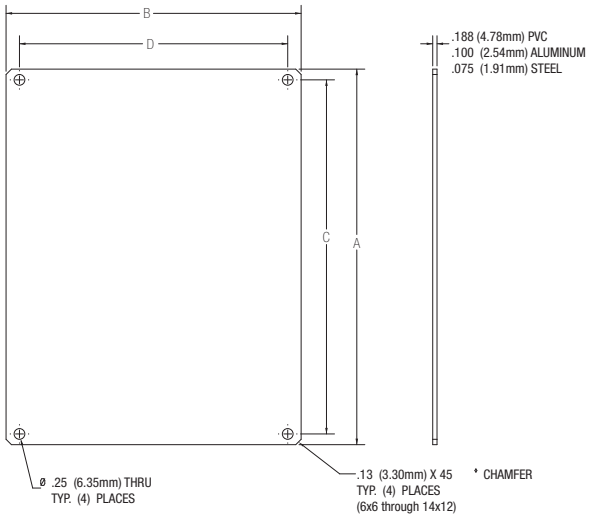
AMU JIC Series	
Part No.	**Panel Dim. (H x W x D)**
HFPU66	5.64 x 5.87 x .09
	143mm x 149mm x 2.3mm
HFPU86	7.74 x 5.91 x .09
	197mm x 150mm x 2.3mm
HFPU108	9.64 x 7.87 x .09
	245mm x 200mm x 2.3mm
HFPU120	11.50 x 9.61 x .09
	292mm x 244mm x 2.3mm
HFPU142	13.49 x 11.60 x .09
	343mm x 295mm x 2.3mm
HFPU164	15.46 x 13.58 x .09
	393mm x 345mm x 2.3mm
HFPU186	17.62 x 15.72 x .09
	448mm x 399mm x 2.3mm
HFPU206	19.38 x 15.44 x .09
	492mm x 392mm x 2.3mm

Note: Empire series panels are 0.1046" in thickness.

POLYLINE® Series Optional Back Panels:

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

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

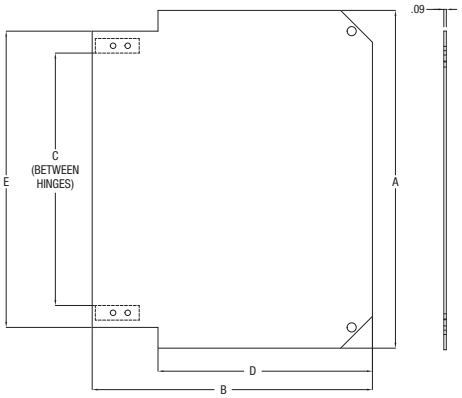


All dimensions are in inches unless otherwise noted.

POLYLINE® Series Optional Adjustable Hinged Front Panels:

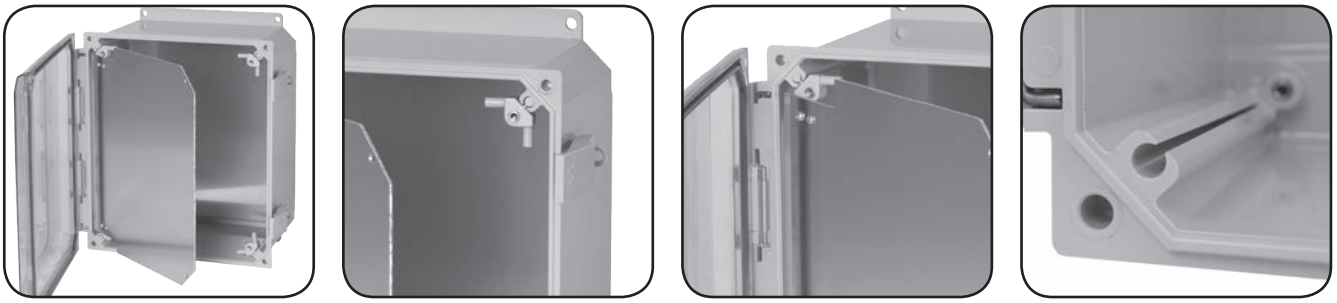
"HFPP" Aluminum Panel Systems

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

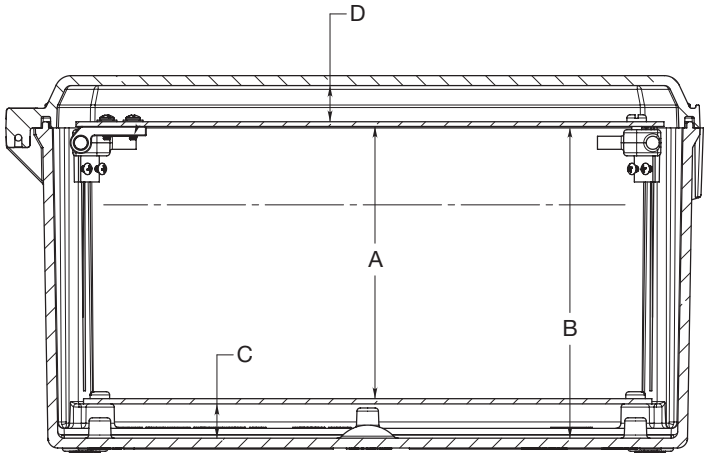


All dimensions are in inches unless otherwise noted.

POLYLINE® Series Adjustable Hinged Front Panels Installed:



Pictures represent enlcosure sizes 6"x6" up through 14"x12".



	Enclosure Used With	Optional Aluminum Back Panel	Optional Aluminum Back Panel	Optional Steel Back Panel	Optional Steel Back Panel	Without Optional Back Panel	Without Optional Back Panel	C=BOTTOM to Panel Mount Bosses	D=Hinged Front Panel to Inside Cover	D=Hinged Front Panel to Inside Cover
HFPP Kit (P/N)	(Base P/N)	A (MAX.)	A (MIN.)	A (MAX.)	A (MIN.)	B (MAX.)	B (MIN.)		(MIN.)	(MAX.)
HFPP66	AMP664	3.21	1.71	3.24	1.74	3.96	2.47	.66	.76	2.26
		82mm	43mm	82mm	44mm	101mm	63mm	17mm	19mm	57mm
HFPP86	AMP864	3.22	1.72	3.25	1.75	3.96	2.46	.66	.76	2.26
		82mm	44mm	83mm	44mm	101mm	62mm	17mm	19mm	57mm
HFPP88	AMP884	3.21	1.71	3.24	1.74	3.96	2.46	.66	.76	2.26
		82mm	43mm	82mm	44mm	101mm	62mm	17mm	19mm	57mm
HFPP108	AMP1082	1.81	.31	1.84	.34	2.56	1.06	.66	.76	2.26
		46mm	8mm	47mm	9mm	65mm	27mm	17mm	19mm	57mm
HFPP108 HFPP120	AMP1084 AMP1204	3.21	1.71	3.24	1.74	3.96	2.46	.66	.76	2.26
		82mm	43mm	82mm	44mm	101mm	62mm	17mm	19mm	57mm
HFPP108 HFPP120	AMP1086 AMP1206	5.21	3.71	5.24	3.74	5.96	4.47	.66	.76	2.38
		132mm	94mm	133mm	95mm	151mm	114mm	17mm	19mm	60mm
HFPP142	AMP1426	5.21	3.71	5.24	3.74	5.96	4.47	.66	.76	2.19
		132mm	94mm	133mm	95mm	151mm	114mm	17mm	19mm	56mm
HFPP164	AMP1648	6.95	1.25	6.98	1.28	7.72	2.02	.66	1.19	6.89
		177mm	32mm	177mm	33mm	196mm	51mm	17mm	30mm	175mm
HFPP186	AMP1860	8.95	1.25	8.98	1.28	9.72	2.02	.66	1.19	8.89
		227mm	32mm	228mm	33mm	247mm	51mm	17mm	30mm	226mm

All dimensions are in inches unless otherwise noted

Data subject to change without notice

Inspection Windows

INSPECTION WINDOW KIT

Allied Moulded's new inspection window kits are designed to provide visibility and easy viewing access to equipment and components installed in an enclosure, while maintaining ratings up through NEMA Type 4X. The window kit features a strong and rigid design, securely mounting to the outside of most enclosure designs. The window kit is available in three convenient sizes to allow for sufficient viewing space in any required application.

BASE P/N AMHMI

Application

Ideal for providing a convenient viewable area not accessible to equipment and components installed inside an enclosure

- Especially well suited for high temperature or corrosive environments
- Includes mounting hole pattern for easy window installation
- Protects from UV, dirt, dust, oil, and water

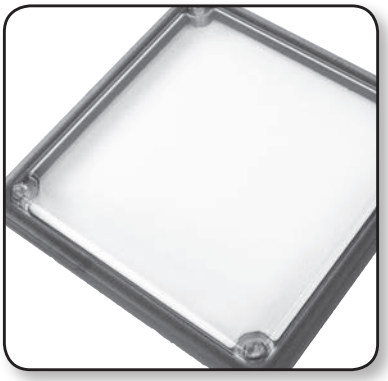
Standards

- Recognized component for use with enclosures rated NEMA Types 1, 3, 3R, 4, 4X, 12 or 13

Construction

- Clear polycarbonate thermoplastic
- UV stabilized for outdoor use
- Formed-In-Place (FIP) polyurethane gasket encased in continuous channel
- Designed for use with wall thicknesses from 16 gauge through 1/4"
- #10-32 threaded brass inserts with plated steel mounting fasteners
- Convenient sizes for easy viewing access to a variety of enclosure applications

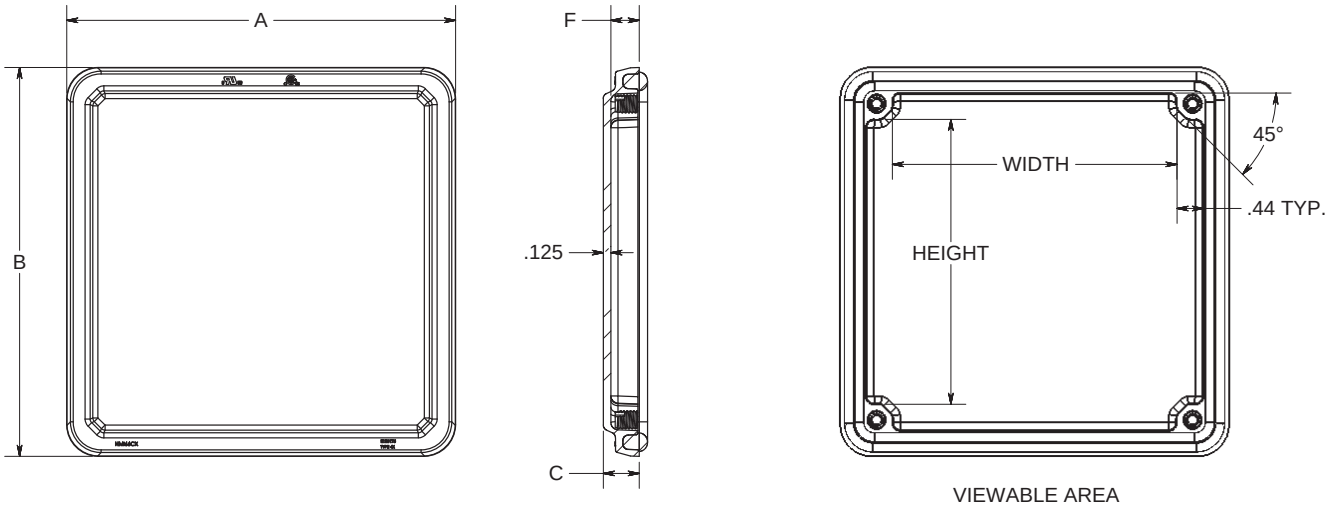
Formed-In-Place (FIP) Gasket



Aesthetically Pleasing Design

Threaded Brass Inserts

For a full description of features and benefits, visit our website at www.AlliedMoulded.com



Note: For use on flat surfaces of NEMA Types 1, 3, 3R, 4, 4X, 12 or 13 enclosures

Part No.	Frame Size Inside Dimensions			Usable Depth	Max Viewing Area		Nom. Wall Thickness
	A	B	C	F	Width	Height	
AMHMI66CX	6.5	6.5	0.6	0.47	5.64	5.64	0.125
	165mm	165mm	15mm	12mm	143mm	143mm	3mm
AMHMI95CX	7.25	10	0.6	0.47	5.55	9.14	0.125
	184mm	254mm	15mm	12mm	141mm	232mm	3mm
AMHMI138CX	9.7	14.7	0.6	0.47	8	13	0.125
	246mm	373mm	15mm	12mm	203mm	330mm	3mm

All dimensions are in inches unless otherwise noted

RoHS COMPLIANT

c UL us LISTED ENCLOSURE ACCESSORY E487574

c SA us

CE

HMI Cover Kits

HUMAN MACHINE INTERFACE

Allied Moulded's new HMI cover kits are designed to provide protection for instruments or electronics requiring routine attention or detail. The cover kit features a strong and rigid design, mounting securely to the outside of any enclosure option, and makes accessibility to electronic components easy!

HMI cover kits are UL® recognized and maintain a NEMA 4X seal with the use of our Formed-In-Place (FIP) polyurethane gasket system, and is well suited for outdoor applications. Multiple cover latching options are also available, including a hinge screw, tamper proof screw, and snap latch model. All are available in solid opaque or polycarbonate thermoplastic clear covers.

BASE P/N AMHMI

Application

Ideal for covering and protecting instruments or electronics through an enclosure wall, while maintaining all applicable standards and classifications

- No need to open the enclosure to view electronics or perform maintenance, decreasing arc flash risks and safety hazards
- Includes mounting hole pattern for easy cover kit installation
- Protects from UV, dirt, dust, oil, and water

Standards

- Recognized component for use with enclosures rated NEMA Types 1, 3, 3R, 4, 4X, 12 or 13

Construction

- Clear polycarbonate thermoplastic, or polycarbonate for opaque covers
- 316 stainless steel external cover latching hardware and hinge pin
- 316 stainless steel snap latches feature padlock hasp (.354" dia.)
- UV stabilized for outdoor use
- Formed-In-Place (FIP) polyurethane gasket in continuous channel
- Designed for use with wall thicknesses from 16 gauge through 1/4"
- #10-32 threaded brass inserts with plated steel mounting fasteners

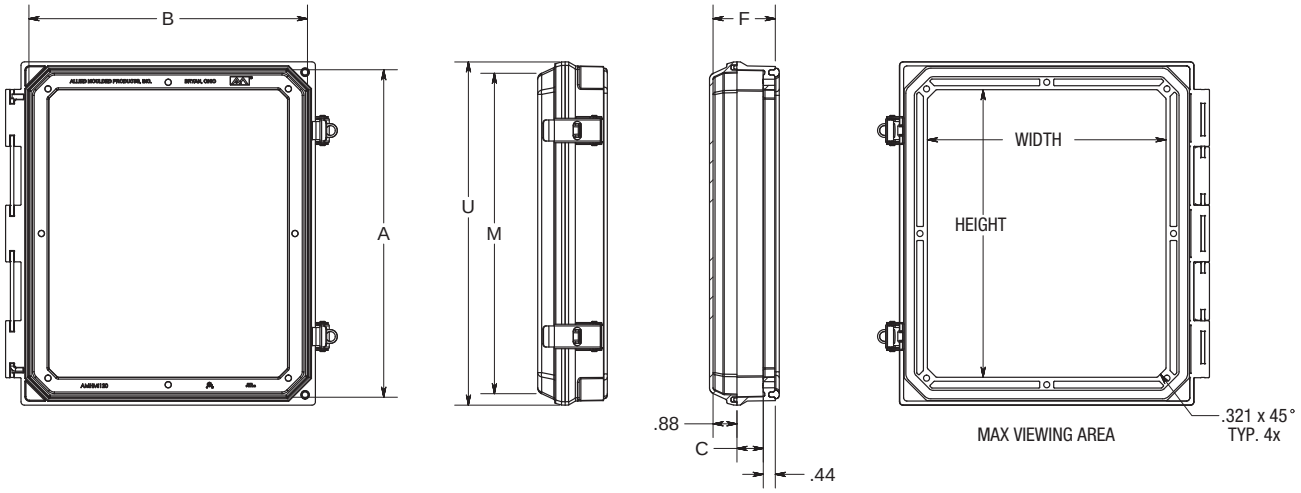
Cover Latching Options

Secure Hinge Pin

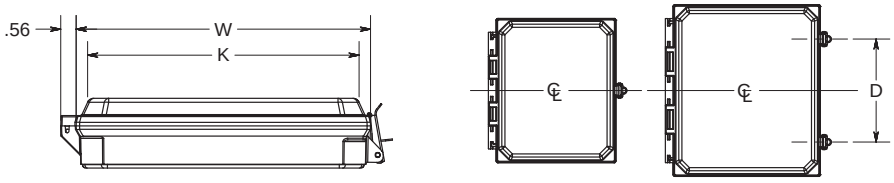
Formed-In-Place (FIP) Gasket

Prop Arm Accessory

For a full description of features and benefits, visit our website at www.AlliedMoulded.com



LATCH LOCATIONS



FOR USE ON
8X8
10X8

FOR USE ON
12x10 D=7.5 (191mm)
14x12 D=8.00 (203mm)
16x14 D=9.00 (229mm)
20x16 D=16.81 (427mm)

Note: For use on flat smooth surfaces of NEMA Types 1, 3, 3R, 4, 4X, 12 or 13 enclosures

Part No. Configuration Options	
Part No. Suffix	**Description**
CCH	Clear Cover Hinge / 2 Screws
CCHTP	Clear Cover Hinge Tamper Proof Screw
CCL	Clear Cover Hinge Snap Latch
H	Opaque Cover Hinge / 2 Screws
HTP	Opaque Cover Hinge Tamper Proof Screw
L	Opaque Cover Hinge Snap Latch

Prop Arm Size Configuration	
HMI Size	**Part No.**
8"x8"	AMHMIPROP88
10"x8"	AMHMIPROP108
12"x10"	AMHMIPROP120
14"x12"	AMHMIPROP142
16"x14"	AMHMIPROP164
20"x16"	AMHMIPROP206

Base Part No.	Frame Size Inside Dimensions			Usable Depth	Cover Size				Max Viewing Area		Nom. Wall Thickness
	A	B	C	F	K	M	W	U	Width	Height	
AMHMI88	7.93	8.15	0.96	2.27	7.75	7.53	8.72	8.5	6.69	6.47	0.14
	201mm	207mm	24mm	58mm	197mm	191mm	221mm	216mm	170mm	164mm	4mm
AMHMI108	9.93	8.15	0.96	2.27	7.89	9.67	8.72	10.5	6.69	8.47	0.14
	252mm	207mm	24mm	58mm	200mm	246mm	221mm	267mm	170mm	215mm	4mm
AMHMI120	11.93	10.15	0.96	2.27	9.89	11.67	10.72	12.5	8.69	10.47	0.14
	303mm	258mm	24mm	58mm	251mm	296mm	272mm	318mm	221mm	266mm	4mm
AMHMI142	13.95	12.07	0.96	2.2	11.89	13.67	12.72	14.5	10.71	12.49	0.19
	354mm	307mm	24mm	56mm	302mm	347mm	323mm	368mm	272mm	317mm	5mm
AMHMI164	15.87	14.07	0.96	2.2	13.89	14.72	14.72	16.5	12.71	14.49	0.19
	403mm	357mm	24mm	56mm	353mm	374mm	374mm	419mm	323mm	368mm	5mm
★ AMHMI206	19.85	16.07	0.96	2.27	15.75	19.53	16.72	20.5	14.71	18.49	0.19
	504mm	408mm	24mm	58mm	400mm	496mm	425mm	521mm	374mm	470mm	5mm

All dimensions are in inches unless otherwise noted
Data subject to change without notice
Base part number listed only. To complete part number, refer to the "Part # Suffix" chart above
Add the "Part No. Suffix" to the base part number to create a complete
HMI cover kit (ex. AMHMI120CCL is a 12" x 10" with a clear cover and latch)
Refer to website for complete mounting hole pattern configuration
★Coming soon!

RoHS COMPLIANT

c UL us LISTED
ENCLOSURE ACCESSORY
E487574

c SA us CE

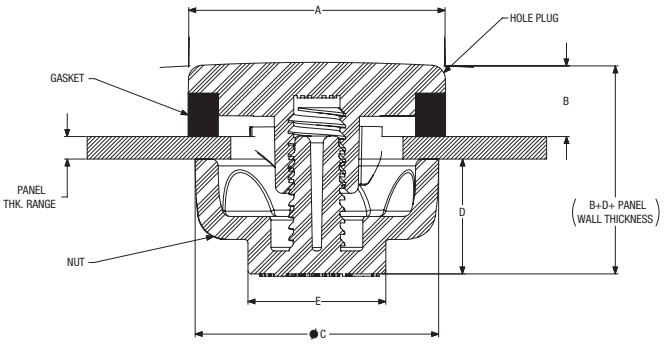
Hole Plug Assemblies

ULTRAPLUG® HOLE PLUGS

- Plug "Fins": self centering, anti-rotational design for fast & easy one person plug assembly and no-tools tightening
- Plug fits wide range of hole sizes without the use of restrictive hole centering spacers
- Patented design: US Patent No. 9,045,932
- Recognized component for use with UL & CSA listed enclosure products
- Molded material of construction for a wide range of chemical compatible applications (polycarbonate with neoprene/EPDM gasket)
- Assembly designed to maintain applicable NEMA/UL/CSA enclosure ratings Note: For use on flat surfaces of a Type 1, 3R, 4, 4X or 12 enclosure
- Designed for use with wall thicknesses from 16 gauge through 1/4"
- Designed for use with all metallic and nonmetallic enclosure materials
- Low profile interior nut and exterior plug saves valuable panel space
- Capable of sealing unused holes ranging in size from 1/2" to 4-3/4"

Simple Install

1) Push/Plug
2) Twist-lock/Fins
3) Screw-tight/Nut



C SA US

C UL US LISTED
ENCLOSURE ACCESSORY
E487574

Note: For use on flat surface of NEMA Types 1, 3R, 4, 4X and 12 enclosures.

P/N General Purpose Polycarbonate RAL 7035 Light Gray	P/N General Purpose Polycarbonate ANSI 61 Dark Gray	Trade Size Ref. (nom. In.)	Plugged Hole Dia. Range (In.)	Wall Thickness Range (In.)	A Plug Diameter (In.)	B Plug Head Height (In.)	C Nut Diameter (In.)	D Nut Height (In.)	E Across Flats (In.)
AMHSPL-S	AMHSPL-SGY	Pilot Light (.500)	.500-.624	.059-.250	1.120	0.235	1.060	0.500	0.545
AMHSPL	AMHSPL-GY	Pilot Light (.625)	.625-.812	.059-.250	1.120	0.235	1.060	0.500	0.545
AMHS050	AMHS050-GY	1/2" Conduit (.875) 22mm PB (.886)	.812-.937	.059-.250	1.245	0.235	1.185	0.500	0.605
AMHS075	AMHS075-GY	3/4" Conduit (1.109) 30mm PB (1.210)	1.000-1.312	.059-.250	1.620	0.235	1.560	0.500	0.945
AMHS100	AMHS100-GY	1" Conduit (1.375)	1.375-1.625	.059-.250	1.923	0.235	1.873	0.500	0.945
AMHS125	AMHS125-GY	1-1/4" Conduit (1.734)	1.687-1.875	.059-.250	2.183	0.235	2.123	0.500	1.195
AMHS150	AMHS150-GY	1-1/2" Conduit (1.984)	2.000-2.187	.059-.250	2.495	0.235	2.435	0.500	1.195
AMHS200	AMHS200-GY	2" Conduit (2.469)	2.500-2.75	.059-.250	3.120	0.235	3.060	0.750	1.291
AMHS250	AMHS250-GY	2-1/2" Conduit (2.969)	2.875-3.125	.059-.250	3.495	0.235	3.435	0.750	1.491
AMHS300	AMHS300-GY	3" Conduit (3.594)	3.500-3.750	.059-.250	4.120	0.235	4.060	0.750	1.491
AMHS350	AMHS350-GY	3-1/2" Conduit (4.125)	4.000-4.250	.059-.250	4.620	0.235	4.560	0.750	1.491
AMHS400	AMHS400-GY	4" Conduit (4.641)	4.500-4.750	.059-.250	5.120	0.235	5.060	0.750	1.491

Polycarbonate (PC) can be used as a substitute for carbon steel plug applications plus many stainless steel and other nonmetallic plug applications. Please check industry standard corrosion guides for additional application assistance.

Pole Mount Kits

ENCLOSURE POLE MOUNT

Allied Moulded's Pole Mount Kit offers the ability to mount enclosures including sizes 6" x 6" x 4" through 60" x 36" x 16" to any wood, plastic, or steel pole securely without excessive materials and labor.

Manufactured with the electrical contractor in mind, Allied Moulded's Pole Mount Kit provides an easy solution for all enclosures. Not only is it designed for round poles, but the pole mount kits have the capability to mount enclosures to square and rectangular pole shapes as well.

Application

- Nine sizes covering AM JIC, AMU JIC, AMP, and Control Series enclosures
- Steel band design allows for adjustable mounting capability on pole sizes up through 15 inches in diameter
- Allied Moulded pole mount kits have the capability to mount enclosures to round, square, and rectangular pole shapes
- Fewer parts are used so minimal assembly is required for installation
- Pole mount kits offer corrosion protection for outdoor use

Construction

- Pole mount flange: galvannealed steel; 14 gauge (.075")
- Pole mount band clamps: 316 stainless steel (48")
- Flange fasteners (screws, washers, and lock nuts): 316 stainless steel (#10-32)

RoHS COMPLIANT

c UL us LISTED ENCLOSURE ACCESSORY E487574

c SP us

CE

ENCLOSURE POLE MOUNT KITS ARE USED WITH			
Kit Number	AM Series Units[1]		AMU & AMP Flange Mount Units[2]
	Standard Mount	Rotated 90 Degrees	Standard Mount
AMPOLEMNT6	AM664, AM864	None	AMU(P)664, AMU(P)864
AMPOLEMNT8	AM1084, AM1086	AM864	AMP884, AMP1082, AMU(P)1084, AMU(P)1086
AMPOLEMNT10	AM1206	AM1084, AM1086	AMP1204, AMU(P)1206
AMPOLEMNT12	AM1224, AM1226, AM1426	AM1206	AMU(P)1426
AMPOLEMNT14	AM1648	AM1224, AM1226, AM1426	AMU1648
AMPOLEMNT16	AM1868, AM2068	AM1648	AMU1860, AMHD1860, AMU2060
AMPOLEMNT20	AM2420	None	None
AMPOLEMNT24	AM2424, AM3024	AM2420	None
AMPOLEMNTEMP	AMEC363012, AM363016, AM363612, AM363616, AM483612, AM483616, AM603612, AM603616		

1 Pole mount brackets are directly mounted to the back of the these enclosures.
2 Enclosure flange is bolted through and attached to the pole mount bracket on these enclosures.

Enclosure Keylock Kits

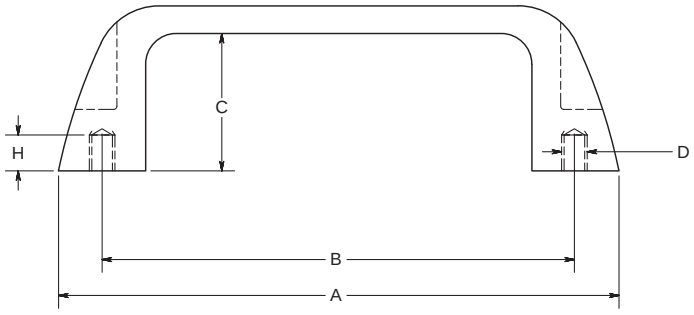
PART NO.: AMKEYLOCKFC, AMKEYLOCKRC, and AMKEYLOCKRCHFP

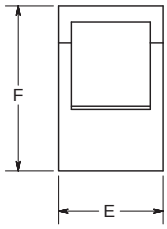
- AMKEYLOCKFC keylock assembly kit for (F)flat (C)cover enclosures 6x6 through 20x16 (AM Series)
- AMKEYLOCLKRC keylock assembly kit for (R)raised (C)cover enclosures 6x6 through 30x24 (AM-R Series)
- AMKEYLOCKRCHFP keylock assembly kit for (R)raised (C)cover enclosures with a (H)hinge (F)front (P)panel 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)

Pull Type Handle

PART NO.: AMHDL001

- Handle: Glass fiber reinforced nylon
- Finish: Black matte
- Screws and lock washers included





Part No.	A	B	C	D	E	F	H
AMHDL001	5.47	4.61	1.34	1/4 - 20	1.02	1.61	0.35
	139mm	117mm	34mm	---	26mm	41mm	9mm

Enclosure Print Pocket

PART NO.: AMPRINTPOCKET

- Easy to install in the field
- Store prints or other important documents inside the enclosure
- Gray 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 & AMVENT4XLG

- Gray polyamide material (4X vent kit made from polycarbonate)
- Use with JIC Series enclosures - install two per enclosure
- Installation instruction sheet included
- Seal included in kit to ensure raintight enclosure protection (4X - FIP gasket)
- Two vents per kit for field installation allows for sufficient air circulation and prevents condensation and moisture
- 4X vent kit maintains enclosures NEMA 4X rating with the use of innovative vent baffles, allowing air flow while reducing condensation and heat within the enclosure

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
AMVENT4XLG; 4 in (106mm) x 3 in (75mm) and requires 1 in (25mm) through hole

c UL us LISTED
ENCLOSURE ACCESSORY
E487574

c SA us

Enclosure Filter Kit

PART NO.: AMPFA1000, AMPFA2000, and AMPFA3000

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

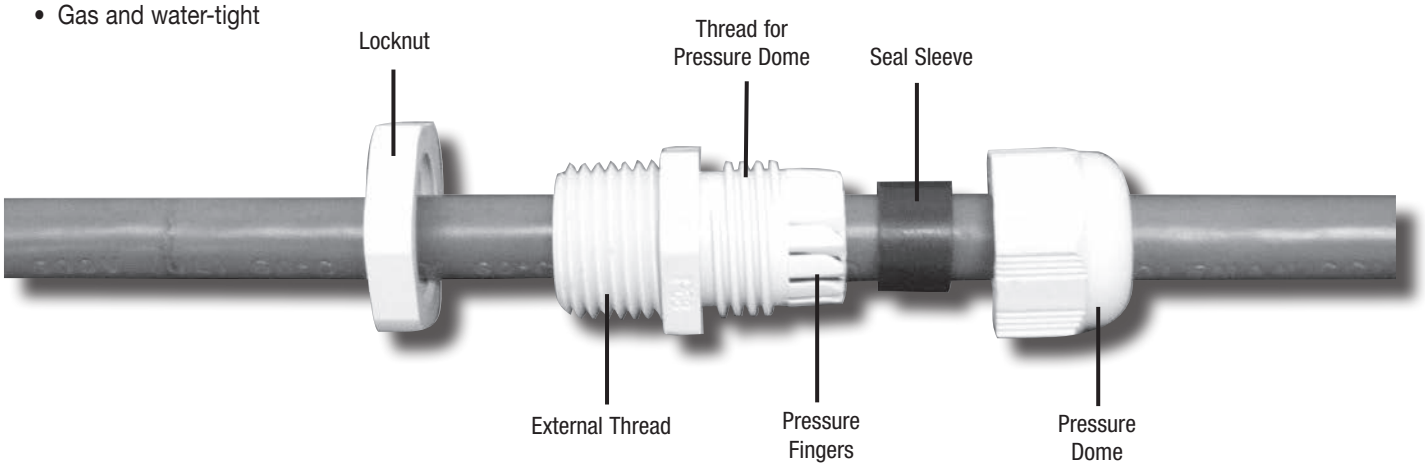
Size Information:
- AMPFA1000; 4.133 in (105mm) x 4.133 in (105mm) x 0.39 in (10mm)
- AMPFA2000; 5.905 in (150mm) x 5.905 in (150mm) x 1.06 in (27mm)
- AMPFA3000; 9.842 in (250mm) x 9.842 in (250mm) x 1.18 in (30mm)

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.

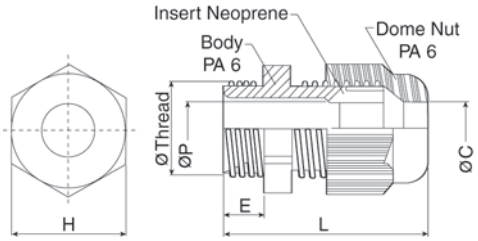
RoHS COMPLIANT CE

Cord Grips

- Body: Polyamide 6
- Seal: Neoprene
- Lock Nut: 25% glass fiber reinforced Polyamide 6
- Color: Light Gray
- Maximum strain relief through clamping range
- IP68 achieved without seal rings
- Trapezoidal thread with high torque guarantees tight and permanent fit of the dome nut
- Gas and water-tight
- CSA approved and UL listed
- Temp range: PA 6 -40°C to 100°C (-40°F to 212°F)
  Neoprene -25°C to 100°C (-13 to 212°F)
- Recommended enclosure hole size for external thread: NPT 1/2" 21.8mm (.8594 in); NPT 3/4" 27.4mm (1.0781 in); NPT 1" 34.1mm (1.3438 in)

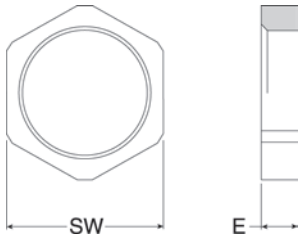


Cord Grip Dimensions



Thread Size	Part Number	Clamping Range (mm)	Package Quantity	H (mm)	E (mm)	L (mm)	Dia. C (mm)	Dia. P (mm)	Dia. NPT/M (mm)
NPT ½"	5308901	5 to 12	50	24	14	44	12.5	12.5	21.2
NPT ¾"	5308902	9 to 18	50	33	15	54	18.5	18.5	26.7
NPT 1"	5308903	14 to 25	50	42	18	60	25.5	25.5	33.3

LOCK NUT DIMENSIONS				
Thread Size	Part Number	Package Quantity	Thickness E (mm)	SW (mm)
NPT ½"	7211486-50	50	6	27
NPT ¾"	7211487	20	7	36
NPT 1"	7211488	20	7	41



ACCESSORY KITS

LATCH HARDWARE KITS

- Used with AM, AM-R, AMP, and AMU Series enclosures, and HMI cover kits
- Feature a multitude of snap and twist latch mechanisms
- Available for both flat and raised cover enclosures
- Nonmetallic latches match standard RAL 7035 color

LLRS-H

LLPN-H

Size Range	Used With	Kit Description	Part #
6x6 thru 20x16	AM Series	316 stainless steel snap latch with keeper and hardware kit (rivot)	LLK-H316
6x6 thru 20x16	AM Series	316 stainless steel twist latch with keeper and hardware kit (rivot)	LTK-H316
6x6 thru 30x24	AM-R Series	316 stainless steel snap latch kit for raised cover (rivot, screw)	LLKR-H316
6x6 thru 30x24	AM-R Series	316 twist latch for raised cover with keeper and hardware kit (rivot, screw)	LTKR-H316
10x8x2	AMP Series	316 stainless steel reverse snap latch kit (slip-on)	LLRS-H
8x8 thru 20x16	HMI Series	316 stainless steel reverse snap latch kit (slip-on)	LLRS-H
6x6 thru 20x16	AMP / AMU Series	Polycarbonate snap latch kit (slip-on)	LLPN-H
6x6 thru 20x16	AMP / AMU Series	316 stainless steel snap latch kit (slip-on)	LLPS-H
6x6 thru 20x16	AMP / AMU Series	316 stainless steel twist latch kit (slip-on)	LTPS-H

LLKR-H316

LTPS-H

MOUNTING FOOT / BRACKET KITS

- Used with small junction boxes, AM, AM-R, Control Series, AMU, and AMP series enclosures
- 4 screws and 4 feet per pack
- Nonmetallic feet match standard RAL 7035 color

AM4-NUFS

Size Range	Used With	Kit Description	Part #
AM743 and AM943	AM743 and AM943	316 stainless steel foot kit with 4 screws, 4 washers, and 4 screws	AM4-PFSN
6x6 thru 20x16	AM / AM-R	316 stainless steel foot kit with 4 screws and 4 feet	AM4-NFS
24x20 thru 30x24	Control Series	316 stainless steel foot kit with 4 screws and 4 feet	AM4-NLFS
6x6 thru 14x12	AMU / AMP	Polycarbonate foot kit with 4 screws and 4 feet	AM4-NUFS
16x14 thru 20x10	AMU / AMP	Polycarbonate foot kit with 4 screws and 4 feet	AM4-NULFS
42"	Control XL	Fiberglass (FRP) foot kit with 4 screws and 4 feet	AM4-NXLFS

AM4-NLFS

PANEL SCREW KITS / NONMETALLIC HINGE CLIPS

- Used with all enclosure options featuring back panel options
- Four (4) plated carbon steel screws with universal panheads
- POLYLINE® nonmetallic hinge clips available in 2-pack, and are field installable

AM4-NPS

Size Range	Used With	Kit Description	Part #
6x6 thru 20x16	JIC	Plated carbon steel back panel screw kit (#10-32)	AM4-NPS
24x20 thru 30x24	Control	Plated carbon steel back panel 4 screw kit (3/8-16)	AM4-NLPS
24x20 thru 30x24	Control	Plated carbon steel back panel 6 screw kit (3/8-16)	AM6-NLPS
16" thru 18"	Polyline®	Polycarbonate hinge clip kit (2 pack)	AMPHINGECLIP

AMPHINGECLIP

SPECIALTY PRODUCTS &

MODIFICATIONS

Allied Moulded has worked hard to be your source for fast, no-hassle modifications. With complete modification services, the need for inconvenient secondary handling of your enclosure is eliminated, saving you time and money. Complete modification services include but are not limited to:

Holes and cutouts

Polycarbonate viewing windows

EMI/RFI shielding

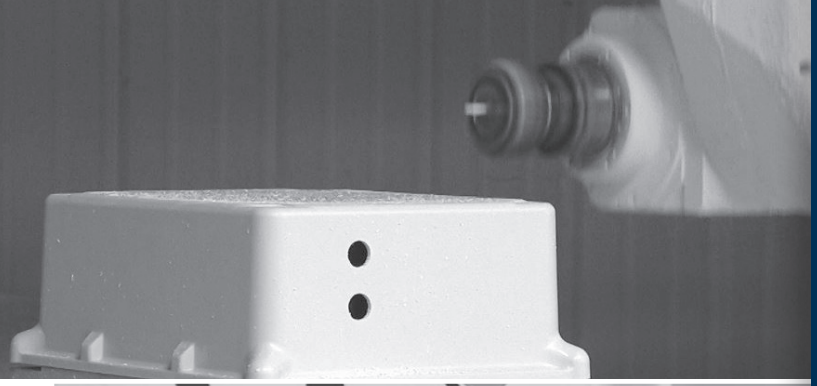
Factory supplied silk screening

Molded-in color matching

Because of our dedication 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!

Scan to learn more

Allied Moulded Products, Inc. | 222 N. Union Street Bryan, OH 43506



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 & Cutouts

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

- Pushbuttons
- Cable entry
- HMI components
- Viewport / viewing windows

EMI/RFI Shielding

Electromagnetic waves generated by electronic devices may have a negative effect on other similar devices when used in close proximity to one another. These effects, called Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI) may cause malfunctions in electronic devices.

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. Print business or device names, identify important component controls, or display important logos. We simplify the process and will accommodate your application requirements.

Custom Color Matching

Modify your enclosures with custom colors, matched from a variety of specific Pantone or RAL numbers.

Stocked Color Program

AM & AM-R series enclosures come available in four standard colors including; Blue, Red, White, and Yellow at a reduced lead time and with no minimum order quantities! Contact us or visit our website for more details.

Custom Panels

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

www.alliedmoulded.com

SPECIALS & MODIFICATIONS **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
Hinge front panel required: ☐ Yes ☐ No
Side Panel required: ☐ Yes ☐ No Size: H_____ x W_____

Windows

Window required: ☐ Yes ☐ No Size: H_____ x W_____
General location of window: _____

Molded-In Color

☐ Standard Grey ☐ White ☐ Orange
☐ Blue ☐ Black ☐ Red
☐ Yellow ☐ Green
Other (please specify): _____

Other Modifications

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

Additional Information/Notes

_____

_____

Scan to fill out our online modifications quote form!

Submit request to: Allied Moulded Products, Inc. Fax to: 800-237-7269
For assistance or questions, call Allied Moulded at 800-722-2679 or visit www.alliedmoulded.com.

Choosing the right enclosure material for your application

Allied Moulded offers a variety of fiberglass reinforced polyester (FRP) and polycarbonate enclosures to fit your application requirements. We understand the type of enclosure is just as important to you, as it is to the protection of your equipment. We often receive questions about the best enclosure material to use. Material selection depends on several factors, including application, environment, price, aesthetics, and enclosure size.

Application

The first thing to consider when purchasing an enclosure is the application location. Where will the enclosure be used? Whether the enclosure can be used indoors or outdoors can have a major impact on the type of enclosure that will best suit your needs. Fiberglass (FRP) enclosures are often used in outdoor applications due to excellent ratings in UV protection, aesthetic protection (from yellowing), and other factors, all while providing a cost-competitive alternative to stainless steel. Polycarbonate enclosures are a good alternative to carbon steel, offering a lightweight, impact-resistant solution for indoor and outdoor applications. Both enclosure options offer long-lasting protection to interior and exterior elements and provide the security required by the application.

Chemical & Corrosion Resistance

Enclosures may be required in applications where hazardous chemicals or materials are present. Both materials offer protection against corrosive agents, with fiberglass (FRP) performing better in environments with solvents and strong alkalies. Typically, fiberglass (FRP) remains a good alternative to stainless steel, while polycarbonate remains a good alternative to carbon steel in harsh environments. Examples of corrosive environments may be waste water treatment plants, oil refineries, or livestock farms. Other factors such as dirt, dust, oil, water, ice, and snow must also be taken into consideration. See the "Corrosion Resistance Guidelines" below for more detailed information. Visit www.alliedmoulded.com for a comprehensive corrosion resistance guide.

Price

Whether you're looking for just a few, or a few hundred enclosures, price is often a determining factor when considering which enclosure type to purchase. Fiberglass (FRP) enclosures often cost more than polycarbonate enclosures, but both offer intrinsic value when compared to steel enclosures over time. Enclosure users should consider all factors when deciding if the enclosure material and price point they choose will last in all expected conditions.

Aesthetics

We understand the way an enclosure looks is just as important as the way the enclosure performs. Engineers at Allied Moulded take pride in the development of aesthetically pleasing enclosures, while maintaining all required NEMA ratings. All fiberglass (FRP) and polycarbonate enclosures come in the standard RAL 7035 light gray color.

Sizing

The size of your enclosure is often important to your particular project, therefore sizing becomes a factor in the type of material to use. Allied Moulded polycarbonate enclosures are currently available up through an 18" size, thus if a larger enclosure is needed, a fiberglass (FRP), compression molded, or RTM enclosure material may be required.

See pages 3 and 7 for additional performance comparison of enclosure materials.

Corrosion Resistance Guidelines

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

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

Physical Properties of Nonmetallic Enclosures					
Materials Typical Properties	ASTM Test Method	Compression Molded Polyester Fiberglass (SMC)	RTM Molded Polysester Fiberglass	Hand Lay-up Molded Polyester Fiberglass	Polycarbonate
Falling Dart Impact (lb - in)		300	500	450	600
Impact Strength (ft-lb/in) (Notched Izod)	D 256	15	30	30	12
IK Impact Rating (Joules)	IEC 62262	>10	>10	>10	>10
Flexural Strength (psi)	D 790	25,000	33,400	33,400	13,000
Tensile Strength (psi)	D 638	14,000	22,000	22,000	9,000
Compressive Strength (psi)	D 695	28,000	24,900	24,900	11,000
Water Absorption (%)	D 570	0.15	0.25	0.25	0.25
Specific Gravity	D 792	1.75	1.65	1.65	1.20
Shrinkage (in/in)	D 955	0.0016	0.0015	0.0015	0.007
Hardness (Barcol-Rockwell M-Shore A)	D 2583	60	62	62.5	75
Elongation (%)	D 638	2.05	2.07	2.07	7.00
Dielectric Strength (kV/in)	D 149	400	380	380	732
Arc Resistance (sec)	D 495	>180	188	>200	117
Flammability	UL 94	5VA	V-0	V-0	V-0
Heat Deflection (°F at 264 psi)	D 648	>500	428	428	266
Service Temperature (°F)		-40°F to 266°F	-40°F to 266°F	-40°F to 266°F	-31°F to 266°F
K Factor, Thermal Conductivity (BTU/hr/ft^2/°F)	D 1269E	1.68	1.68	1.68	1.25
Thermal Expansion (10^{-6} in/in °F)	D 696	20	14	12	36
UV Rating	UL 746C	(f1)	(f1)	(f1)	(f1)
FIP Gasket Rating		-31°F to 190°F	-31°F to 190°F	-31°F to 190°F	-31°F to 190°F

NEMA Type 4X Enclosures

An enclosure is a housing constructed to provide a degree of protection from accidental contact with the enclosed equipment and external environmental conditions. Electrical enclosures are available in metal and nonmetal options.

Standardizing enclosure performance is accomplished by use of rating systems of various organizations (NEMA, UL, CSA, and IEC) 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.

MATERIALS

Fiberglass Reinforced Polyester (FRP) Enclosures

All FRP enclosures are listed under UL 50, UL 50E, and UL 508A standards, (CSA standard 22.2 No. 14). This type of enclosure is suitable for both indoor and outdoor use in corrosive environments and is resistant to UV degradation. Fiberglass (FRP) material shall meet UL 746C requirements with halogen-free and self-extinguishing characteristics.

Enclosures are constructed using a hot compression-molded process using Allied Moulded's proprietary ULTRAGUARD® material formulation, with a minimum of 20% fiberglass by weight. 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.

A cold molded hand lay-up gel-coat fiberglasss process and/or resin transfer mold (RTM) process, may be used for larger cabinets, and has a high impact tolerance, with excellent overall strength.

Polycarbonate Enclosures

All polycarbonate enclosures are listed under UL 50, UL 50E and UL 508A standards, (CSA standard 22.2 No. 94.1-07, 94.2-07). This type of enclosure is suitable for both indoor and outdoor use in corrosive environments and is resistant to UV degradation. Polycarbonate material shall meet UL 746C requirements with halogen-free and self-extinguishing characteristics.

Enclosure is constructed with an injection molded polycarbonate thermoplastic material. Polycarbonate material exhibits an acceptable UV rating, along with minimal shrinkage, and excellent stress rating.

ALLIED ADVANTAGES

- Any external metal parts shall be 316 stainless steel. NEMA Type 4X enclosures are fabricated and rated specifically for resistance to corrosive elements.
- Advantages of nonmetallic enclosures:
  - (1) Unlike metals, fiberglass reinforced polyester (FRP) and polycarbonate are non-corrosive.
  - (2) Enclosures are very similar, thus they require little maintenance.
  - (3) Due to their light weight, nonmetallic enclosures can be very easily handled, installed and modified.
- Fiberglass reinforced polyester (FRP) and polycarbonate enclosures are the material of choice in applications where physical strength and excellent corrosion resistance is required.

CONTINUED ON PAGE 147

- 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 316 stainless steel material. Gasket system shall be a Formed-In-Place (FIP) polyurethane for toughness and resistance to tear while maintaining a NEMA 4X and IP66 seal. 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 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 Type 4X integrity. At least one latch must have a padlock provision.

316 Stainless Steel Hardware

316 Stainless Steel Hardware Standard for all Enclosures

Allied Moulded understands that not all stainless steel hardware is created equally. To endure harsh environments, a robust nonmetallic enclosure must also utilize hardware that exhibits the same corrosion-resistant properties. Many enclosure manufacturers have standardized the use of 300 series stainless steel hardware in their products, with 304 stainless steel being the most common. Allied Moulded has made the use of 316 stainless steel standard for all of its enclosure products' external hardware.

What is Stainless Steel?

According to the Specialty Steel Industry of North America (SSINA)[1], the term stainless steel applies to a group of iron based alloys containing a minimum 10.5% chromium. Other elements are added to the alloys to make different grades of stainless steel. There are many different grades that have varying corrosion resistance and other properties based on the ratio of elements used in the alloy. There are more than 50 grades of stainless steel.

Corrosion Resistant Properties

The science behind the corrosion resistant properties of the various grades of stainless steel lies in the mixture and ratios of the different elements contained in the alloys. The chromium contained in the mixture alters the oxidation process that would make raw iron rust. Instead, the chromium forms a protective layer on the surface that resists oxidation. The added nickel (Grade 304 and 316) enhances this resistance. Alloys are made even stronger by the addition of molybdenum (Grade 316), which are used in applications where acetic, sulfuric and sulfurous acids may be present.

Grade 304

Grade 304 is considered the basic stainless steel alloy. It is made up of 10% chromium and 8% nickel. As previously mentioned, it is the most common of the 300 series alloys. It has good corrosion resistance properties in most applications.

Grade 316

Grade 316 also contains chromium (18%) and nickel (10%); however, it also contains at least 2% molybdenum. The addition of this element significantly increases its pitting and corrosion resistance properties, specifically with regard to chloride (salt) pollutants, which are found in coastal areas and de-icing applications, and potash which is found in agricultural fertilizer and chemical manufacturing. It also has wide application in water/waste water treatment plants, pulp and paper mills, and other environments with aggressive corrosive agents.

FIP Gasket System

Allied Moulded's automated Formed-In-Place (FIP) polyurethane gasket system was designed to replace cord gaskets and is applied directly to the enclosure cover in a continuous channel. The new gasket provides protection from outdoor elements such as dirt, dust, oil, and water while providing a reliable seal from cover to base. The gasket will adhere to a variety of surfaces and cover finishes, allowing for a better seal and overall protection for your most critical electrical components.

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.

Properties

Shielding Material..... Copper Conductive Coating
Attenuation ..... 75 dB

Sheet Resistance <.025 Ohms/Square @ 2 Mil Thick

The probes of an ohmmeter shall be placed on any area of the surface and the measured resistance shall not exceed .025 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's FRP enclosures are hot compression-molded using Allied Moulded's proprietary ULTRAGUARD® material formulation 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's fiberglass enclosures have been successfully used outdoors and tests on field samples support above results. (F1 rated material—suitable for outdoor use)

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).

*Should you feel the need to paint polycarbonate enclosures, please check for compatability as polycarbonate material can be attacked by industrial solvents.

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

Heat Dissipation

Information available upon request.

Reduce Arc Flash Safety Hazards

What is Arc Flash?

Arc flash explosion is often referred to as a flash of electrical current leaving its intended path, traveling from one conductor to another. Arc flash can be caused by dust, corrosion, faulty installation, condensation, and many other factors. Blast pressures can reach upwards of 2,000 lbs. / sq. ft, reach sounds of up to 140 dB, and high temperatures of up to 35,000 degrees F.

What are we doing to help?

Allied Moulded wants to ensure the safe and proper use of encosures, and to reduce the risk and eliminate damages caused by arc flash. Our engineers developed accessories to meet these requirements when an enclosure must be accessed for maintenance or monitoring. Often, enclosures are opened to check equipment, read gauges, or perform preventive maintenance. The use of Allied Moulded's HMI Cover Kits and Inspection Windows reduces the risk of arc flash. The use of these products allows access to components without opening the enclosure.

CSA Ratings

www.csagroup.org

The CSA Group is recognized and accredited in the U.S. by the U.S. Occupational Safety and Health Administration (OSHA), which lists them as a Nationally Recognized Testing Laboratory (NRTL), enabling tests on products against the U.S. standards written or administered by organizations including the American National Standards Institute (ANSI), Underwriters Laboratories (UL), CSA Group (CSA), NSF International (NSF) and other organizations. The CSA mark shows your products have been certified by an accredited third party lab and have met applicable standards as required by North American law.

National Fire Protection Association (NFPA)

www.nfpa.org

NFPA is a global, nonprofit organization devoted to eliminating death, injury, property and economic loss due to fire, electrical and related hazards. The association delivers information and knowledge through more than 300 consensus codes and standards, research, training, education, outreach and advocacy; and by partnering with others who share an interest in furthering the NFPA mission.

National Association of Electrical Distrubutors (NAED)

www.naed.org

The National Association of Electrical Distributors (NAED) is the voice of the electrical distrubutor. They provide members with the best tools, information and assistance to help them thrive and improve the electrical distrubution channel.

IEC Ratings

www.iec.ch

The international Electrotechnical Commission (IEC) standards organization prepares and publishes International Standards for all electrical, electronic and related technologies. IEC standards cover a vast range of technologies from power generation, transmission and distribution to home applicances and office equipment, semiconductors, fibre optics, batteries, solar energy, nanotechnology and marine energy as well as many others.

RoHS

www.rohsguide.com

Restriction of Hazardous Substances (RoHS), also known as Directive 2002/95/EC, originated in the European Union and restricts the use of specific hazardous materials found in electrical and electronic products.

NEMA Ratings

www.nema.org

The National Electrical Manufacturers Association (NEMA) defines standards for various grades of electrical enclosures typically used in industrial applications. Each is rated to protect against personal access to hazardous parts, and additional type-dependent designated environmental conditions. A typical NEMA rated enclosure may be rated to protect from hazards such as water, dirt, dust, oil, or chemicals, and may be rated for indoor or outdoor applications.

UL Ratings

www.ul.com

UL certifies, validates, tests, inspects, audits, advises, and trains. UL provides the knowledge and expertise to help customers navigate growing complexities across the supply chain from compliance and regulatory issues to trade challenges and market access. In this way, UL facilitates global trade and delivers peace of mind.

UL's Online Certifications Directory

You can use the UL Online Certification Directory to:

- Verify a UL Listing, Classification, or Recognition
- Verify a UL Listed product use
- Verify a UL Recognized component use
- Verify a product safety standard

UL Certified Test Lab

Underwriters Laboratories® (UL) partners with manufacturers to provide safe products to consumers through UL testing, certification and follow-up audits. UL's Data Acceptance Program (DAP) provides a means for UL to accept externally generated test data in support of UL Mark certification. Product investigations by UL typically involve testing of product samples. While UL maintains extensive test facilities, customers can also utilize their own or third-party facilities for product testing via UL's DAP.

Participating test facilities are required to have the appropriate physical resources, equipment and qualified personnel needed to conduct testing, equivalent to what would be used in UL's own laboratories for the same testing. UL offers five differen ttypes of data acceptance programs. Allied Moulded Products, Inc. is certified through the Client Test Data Program (CTDP).

After a data acceptance program is established, UL will reassess a test laboratory annually. All data submitted is thoroughly reviewed and audited by UL before being used for certification.

PART NUMBER **INDEX**

**Blue text indicates new part number

Catalog #	Page
5308901	140
5308902	140
5308903	140
7211487	140
7211488	140
7211486-50	140
AM1084	19
AM1084H	23
AM1084HP9	17
AM1084HW	25
AM1084L	27
AM1084LW	29
AM1084P9	15
AM1084R	37
AM1084RH	41
AM1084RHW	43
AM1084RL	45
AM1084RLW	47
AM1084RT	49
AM1084RTW	51
AM1084RW	39
AM1084T	31
AM1084TW	33
AM1084W	21
AM1086	19
AM1086H	23
AM1086HP12	17
AM1086HP9	17
AM1086HW	25
AM1086L	27
AM1086LW	29
AM1086P12	15
AM1086P9	15
AM1086R	37
AM1086RH	41
AM1086RHW	43
AM1086RL	45
AM1086RLW	47
AM1086RT	49
AM1086RTW	51
AM1086RW	39
AM1086T	31
AM1086TW	33
AM1086W	21
AM1206	19
AM1206H	23
AM1206HP16	17
AM1206HP20	17
AM1206HW	25
AM1206L	27
AM1206LW	29
AM1206P16	15
AM1206P20	15
AM1206R	37
AM1206RH	41
AM1206RHW	43
AM1206RL	45
AM1206RLW	47
AM1206RT	49
AM1206RtW	51
AM1206RW	39
AM1206T	31
AM1206TW	33
AM1206W	21
AM1224	19
AM1224H	23
AM1224HW	25
AM1224L	27
AM1224LW	29
AM1224R	37
AM1224RH	41
AM1224RHW	43
AM1224RL	45
AM1224RLW	47
AM1224RT	49
AM1224RTW	51
AM1224RW	39
AM1224T	31
AM1224TW	33
AM1224W	21
AM1226	19
AM1226H	23
AM1226HW	25
AM1226L	27
AM1226LW	29
AM1226R	37
AM1226RH	41
AM1226RHW	43
AM1226RL	45
AM1226RLW	47
AM1226RT	49
AM1226RTW	51
AM1226RW	39
AM1226T	31
AM1226TW	33
AM1226W	21
AM1426	19
AM1426H	23
AM1426HP25	17
AM1426HW	25
AM1426L	27
AM1426LW	29
AM1426P25	15
AM1426R	37
AM1426RH	41
AM1426RHW	43
AM1426RL	45
AM1426RLW	47
AM1426RT	49
AM1426RTW	51
AM1426RW	39
AM1426T	31
AM1426TW	33
AM1426W	21
AM1648	19
AM1648H	23
AM1648HP30	17
AM1648HW	25
AM1648L	27
AM1648LW	29
AM1648P30	15
AM1648R	37
AM1648RH	41
AM1648RHW	43
AM1648RL	45
AM1648RLW	47
AM1648RT	49
AM1648RTW	51
AM1648RW	39
AM1648T	31
AM1648TW	33
AM1648W	21
AM1868	19
AM1868H	23
AM1868HP42	17
AM1868HW	25
AM1868L	27
AM1868LW	29
AM1868P42	15
AM1868R	37
AM1868RH	41
AM1868RHW	43
AM1868RL	45
AM1868RLW	47
AM1868RT	49
AM1868RTW	51
AM1868RW	39
AM1868T	31
AM1868TW	33
AM1868W	21
AM1PB	13
AM1PB22	13
AM2068	19
AM2068H	23
AM2068HW	25
AM2068L	27
AM2068LW	29
AM2068R	37
AM2068RH	41
AM2068RHW	43
AM2068RL	45
AM2068RLW	47
AM2068RT	49
AM2068RTW	51
AM2068RW	39
AM2068T	31
AM2068TW	33
AM2068W	21
AM24200R3PT	57
AM24200R3PT	61
AM24200RL	57
AM24200RLW	59
AM24200RQT	57
AM24200RQT	61
AM24200RT	61
AM24200RTW	63
AM24208R3PT	57
AM24208R3PT	61
AM24208RL	57
AM24208RLW	59
AM24208RQT	57
AM24208RQT	61
AM24208RT	61
AM24208RTW	63
AM24240R3PT	57
AM24240R3PT	61
AM24240RL	57
AM24240RLW	59
AM24240RQT	57
AM24240RQT	61
AM24240RT	61
AM24240RTW	63
AM24248R3PT	57
AM24248R3PT	61
AM24248RL	57
AM24248RLW	59
AM24248RQT	57
AM24248RQT	61
AM24248RT	61
AM24248RTW	63
AM2PB	13
AM2PB22	13
AM30240R3PT	57
AM30240R3PT	61
AM30240RL	57
AM30240RLW	59
AM30240RQT	57
AM30240RQT	61
AM30240RT	61
AM30240RTW	63
AM30248R3PT	57
AM30248R3PT	61
AM30248RL	57
AM30248RLW	59
AM30248RQT	57
AM30248RQT	61
AM30248RT	61
AM30248RTW	63
AM363016L	69
AM363016L3PT	71
AM363612L	69
AM363612L3PT	71
AM363616L	69
AM363616L3PT	71
AM3PB	13
AM3PB22	13
AM483612L	69
AM483612L3PT	71
AM483616L	69
AM483616L3PT	71
AM4-NFS	141
AM4-NLFS	141
AM4-NLPS	141
AM4-NPS	141
AM4-NUFS	141
AM4-NULFS	141
AM4-NXLFS	141
AM4PB	13
AM4PB22	13
AM4-PFSN	141
AM603612L	69
AM603612L3PT	71
AM603616L	69
AM603616L3PT	71
AM664	19
AM664H	23
AM664HP4	17
AM664HW	25
AM664L	27
AM664LW	29
AM664P4	15
AM664R	37
AM664RH	41
AM664RHW	43
AM664RL	45
AM664RLW	47
AM664RT	49
AM664RTW	51
AM664RW	39
AM664T	31
AM664TW	33
AM664W	21
AM6-NLPS	141
AM722525FS	75
AM724925FSDD	77
AM743	11
AM743SF	11
AM864	19
AM864H	23
AM864HP6	17
AM864HW	25
AM864L	27
AM864LW	29
AM864P6	15
AM864R	37
AM864RH	41
AM864RHW	43
AM864RL	45
AM864RLW	47
AM864RT	49
AM864RTW	51
AM864RW	39
AM864T	31
AM864TW	33
AM864W	21
AM943	11
AM943SF	11
AMEC3630123PT	73
AMEC3630123PTW	73
AMEC363012T	73
AMEC363012TW	73
AMHD1860RLF	53
AMHDL001	138
AMHMI108CCH	135
AMHMI108CCHTP	135
AMHMI108CCL	135
AMHMI108H	135
AMHMI108HTP	135
AMHMI108L	135
AMHMI120CCH	135
AMHMI120CCHTP	135
AMHMI120CCL	135
AMHMI120H	135
AMHMI120HTP	135
AMHMI120L	135
AMHMI138CX	133
AMHMI142CCH	135
AMHMI142CCHTP	135
AMHMI142CCL	135
AMHMI142H	135
AMHMI142HTP	135
AMHMI142L	135
AMHMI164CCH	135
AMHMI164CCHTP	135
AMHMI164CCL	135
AMHMI164H	135
AMHMI164HTP	135
AMHMI164L	135
AMHMI66CX	133
AMHMI95CX	133
AMHMIPROP108	135
AMHMIPROP120	135
AMHMIPROP142	135
AMHMIPROP164	135
AMHMIPROP206	135
AMHMIPROP88	135
AMHS050	136
AMHS050-GY	136
AMHS075	136
AMHS075-GY	136
AMHS100	136
AMHS100-GY	136
AMHS125	136
AMHS125-GY	136
AMHS150	136
AMHS150-GY	136
AMHS200	136
AMHS200-GY	136
AMHS250	136
AMHS250-GY	136
AMHS300	136
AMHS300-GY	136
AMHS350	136
AMHS350-GY	136
AMHS400	136
AMHS400-GY	136
AMHSPL	136
AMHSPL-GY	136
AMHSPL-S	136
AMHSPL-SGY	136
AMKEYLOCKFC	138
AMKEYLOCKRC	138
AMKEYLOCKRCHFP	138
AMP1082	113
AMP1082CC	115
AMP1082CCF	115
AMP1082CCH	119
AMP1082CCHF	119
AMP1082CCL	127
AMP1082CCLF	127
AMP1082F	113
AMP1082H	117
AMP1082HF	117
AMP1082L	125
AMP1082LF	125

PART NUMBER **INDEX**

**Blue text indicates new part number

Catalog #	Page
AMP1084	113
AMP1084CC	115
AMP1084CCF	115
AMP1084CCH	119
AMP1084CCHF	119
AMP1084CCL	127
AMP1084CCLF	127
AMP1084CCNL	123
AMP1084CCNLF	123
AMP1084F	113
AMP1084H	117
AMP1084HF	117
AMP1084L	125
AMP1084LF	125
AMP1084NL	121
AMP1084NLF	121
AMP1086	113
AMP1086CC	115
AMP1086CCF	115
AMP1086CCH	119
AMP1086CCHF	119
AMP1086CCL	127
AMP1086CCLF	127
AMP1086CCNL	123
AMP1086CCNLF	123
AMP1086F	113
AMP1086H	117
AMP1086HF	117
AMP1086L	125
AMP1086LF	125
AMP1086NL	121
AMP1086NLF	121
AMP1204	113
AMP1204CC	115
AMP1204CCF	115
AMP1204CCH	119
AMP1204CCHF	119
AMP1204CCL	127
AMP1204CCLF	127
AMP1204CCNL	123
AMP1204CCNLF	123
AMP1204F	113
AMP1204H	117
AMP1204HF	117
AMP1204L	125
AMP1204LF	125
AMP1204NL	121
AMP1204NLF	121
AMP1206	113
AMP1206CC	115
AMP1206CCF	115
AMP1206CCH	119
AMP1206CCHF	119
AMP1206CCL	127
AMP1206CCLF	127
AMP1206CCNL	123
AMP1206CCNLF	123
AMP1206F	113
AMP1206H	117
AMP1206HF	117
AMP1206L	125
AMP1206LF	125
AMP1206NL	121
AMP1206NLF	121
AMP1426	113
AMP1426CC	115
AMP1426CCF	115
AMP1426CCH	119
AMP1426CCHF	119
AMP1426CCL	127
AMP1426CCLF	127
AMP1426CCNL	123
AMP1426CCNLF	123
AMP1426F	113
AMP1426H	117
AMP1426HF	117
AMP1426L	125
AMP1426LF	125
AMP1426NL	121
AMP1426NLF	121
AMP1648	113
AMP1648CC	115
AMP1648CCF	115
AMP1648CCH	119
AMP1648CCHF	119
AMP1648CCL	127
AMP1648CCLF	127
AMP1648CCNL	123
AMP1648CCNLF	123
AMP1648F	113
AMP1648H	117
AMP1648HF	117
AMP1648L	125
AMP1648LF	125
AMP1648NL	121
AMP1648NLF	121
AMP1860	113
AMP1860CC	115
AMP1860CCF	115
AMP1860CCH	119
AMP1860CCHF	119
AMP1860CCL	127
AMP1860CCLF	127
AMP1860CCNL	123
AMP1860CCNLF	123
AMP1860F	113
AMP1860H	117
AMP1860HF	117
AMP1860L	125
AMP1860LF	125
AMP1860NL	121
AMP1860NLF	121
AMP664	113
AMP664CC	115
AMP664CCF	115
AMP664CCH	119
AMP664CCHF	119
AMP664CCL	127
AMP664CCLF	127
AMP664CCNL	123
AMP664CCNLF	123
AMP664F	113
AMP664H	117
AMP664HF	117
AMP664L	125
AMP664LF	125
AMP664NL	121
AMP664NLF	121
AMP864	113
AMP864CC	115
AMP864CCF	115
AMP864CCH	119
AMP864CCHF	119
AMP864CCL	127
AMP864CCLF	127
AMP864CCNL	123
AMP864CCNLF	123
AMP864F	113
AMP864H	117
AMP864HF	117
AMP864L	125
AMP864LF	125
AMP864NL	121
AMP864NLF	121
AMP884	113
AMP884CC	115
AMP884CCF	115
AMP884CCH	119
AMP884CCHF	119
AMP884CCL	127
AMP884CCLF	127
AMP884CCNL	123
AMP884CCNLF	123
AMP884F	113
AMP884H	117
AMP884HF	117
AMP884L	125
AMP884LF	125
AMP884NL	121
AMP884NLF	121
AMPFA1000	139
AMPFA2000	139
AMPFA3000	139
AMPHINGECLIP	141
AMPOLEMNT10	137
AMPOLEMNT12	137
AMPOLEMNT14	137
AMPOLEMNT16	137
AMPOLEMNT20	137
AMPOLEMNT24	137
AMPOLEMNT6	137
AMPOLEMNT8	137
AMPOLEMNTEMP	137
AMPRINTPOCKET	139
AMU1084	81
AMU1084CC	85
AMU1084CCF	85
AMU1084CCH	91
AMU1084CCHF	91
AMU1084CCL	97
AMU1084CCLF	97
AMU1084CCNL	103
AMU1084CCNLF	103
AMU1084CCT	109
AMU1084CCTF	109
AMU1084F	81
AMU1084H	87
AMU1084HF	87
AMU1084HW	89
AMU1084HWF	89
AMU1084L	93
AMU1084LF	93
AMU1084LW	95
AMU1084LWF	95
AMU1084NL	99
AMU1084NLF	99
AMU1084NLW	101
AMU1084NLWF	101
AMU1084T	105
AMU1084TF	105
AMU1084TW	107
AMU1084TWF	107
AMU1084W	83
AMU1084WF	83
AMU1086	81
AMU1086CC	85
AMU1086CCF	85
AMU1086CCH	91
AMU1086CCHF	91
AMU1086CCL	97
AMU1086CCLF	97
AMU1086CCNL	103
AMU1086CCNLF	103
AMU1086CCT	109
AMU1086CCTF	109
AMU1086F	81
AMU1086H	87
AMU1086HF	87
AMU1086HW	89
AMU1086HWF	89
AMU1086L	93
AMU1086LF	93
AMU1086LW	95
AMU1086LWF	95
AMU1086NL	99
AMU1086NLF	99
AMU1086NLW	101
AMU1086NLWF	101
AMU1086T	105
AMU1086TF	105
AMU1086TW	107
AMU1086TWF	107
AMU1086W	83
AMU1086WF	83
AMU1206	81
AMU1206CC	85
AMU1206CCF	85
AMU1206CCH	91
AMU1206CCHF	91
AMU1206CCL	97
AMU1206CCLF	97
AMU1206CCNL	103
AMU1206CCNLF	103
AMU1206CCT	109
AMU1206CCTF	109
AMU1206F	81
AMU1206H	87
AMU1206HF	87
AMU1206HW	89
AMU1206HWF	89
AMU1206L	93
AMU1206LF	93
AMU1206LW	95
AMU1206LWF	95
AMU1206NL	99
AMU1206NLF	99
AMU1206NLW	101
AMU1206NLWF	101
AMU1206T	105
AMU1206TF	105
AMU1206TW	107
AMU1206TWF	107
AMU1206W	83
AMU1206WF	83
AMU1426	81
AMU1426CC	85
AMU1426CCF	85
AMU1426CCH	91
AMU1426CCHF	91
AMU1426CCL	97
AMU1426CCLF	97
AMU1426CCNL	103
AMU1426CCNLF	103
AMU1426CCT	109
AMU1426CCTF	109
AMU1426F	81
AMU1426H	87
AMU1426HF	87
AMU1426HW	89
AMU1426HWF	89
AMU1426L	93
AMU1426LF	93
AMU1426LW	95
AMU1426LWF	95
AMU1426NL	99
AMU1426NLF	99
AMU1426NLW	101
AMU1426NLWF	101
AMU1426T	105
AMU1426TF	105
AMU1426TW	107
AMU1426TWF	107
AMU1426W	83
AMU1426WF	83
AMU1648	81
AMU1648CC	85
AMU1648CCF	85
AMU1648CCH	91
AMU1648CCHF	91
AMU1648CCL	97
AMU1648CCLF	97
AMU1648CCNL	103
AMU1648CCNLF	103
AMU1648CCT	109
AMU1648CCTF	109
AMU1648F	81
AMU1648H	87
AMU1648HF	87
AMU1648HW	89
AMU1648HWF	89
AMU1648L	93
AMU1648LF	93
AMU1648LW	95
AMU1648LWF	95
AMU1648NL	99
AMU1648NLF	99
AMU1648NLW	101
AMU1648NLWF	101
AMU1648T	105
AMU1648TF	105
AMU1648TW	107
AMU1648TWF	107
AMU1648W	83
AMU1648WF	83
AMU1860	81
AMU1860F	81
AMU1860H	87
AMU1860HF	87
AMU1860HW	89
AMU1860HWF	89
AMU1860L	93
AMU1860LF	93
AMU1860LW	95
AMU1860LWF	95
AMU1860NL	99
AMU1860NLF	99
AMU1860NLW	101
AMU1860NLWF	101
AMU1860T	105
AMU1860TF	105
AMU1860TW	107
AMU1860TWF	107
AMU1860W	83
AMU1860WF	83
AMU2060	81
AMU2060CC	85
AMU2060CCF	85
AMU2060CCH	91
AMU2060CCHF	91
AMU2060CCL	97
AMU2060CCLF	97
AMU2060CCNL	103
AMU2060CCNLF	103
AMU2060CCT	109
AMU2060CCTF	109
AMU2060F	81
AMU2060H	87
AMU2060HF	87
AMU2060HW	89
AMU2060HWF	89
AMU2060L	93
AMU2060LF	93
AMU2060LW	95
AMU2060LWF	95
AMU2060NL	99

PART NUMBER **INDEX**

**Blue text indicates new part number

Catalog #	Page
AMU2060NLF	99
AMU2060NLW	101
AMU2060NLWF	101
AMU2060T	105
AMU2060TF	105
AMU2060TW	107
AMU2060TWF	107
AMU2060W	83
AMU2060WF	83
AMU664	81
AMU664CC	85
AMU664CCF	85
AMU664CCH	91
AMU664CCHF	91
AMU664CCL	97
AMU664CCLF	97
AMU664CCNL	103
AMU664CCNLF	103
AMU664CCT	109
AMU664CCTF	109
AMU664F	81
AMU664H	87
AMU664HF	87
AMU664HW	89
AMU664HWF	89
AMU664L	93
AMU664LF	93
AMU664LW	95
AMU664LWF	95
AMU664NL	99
AMU664NLF	99
AMU664NLW	101
AMU664NLWF	101
AMU664T	105
AMU664TF	105
AMU664TW	107
AMU664TWF	107
AMU664W	83
AMU664WF	83
AMU864	81
AMU864CC	85
AMU864CCF	85
AMU864CCH	91
AMU864CCHF	91
AMU864CCL	97
AMU864CCLF	97
AMU864CCNL	103
AMU864CCNLF	103
AMU864CCT	109
AMU864CCTF	109
AMU864F	81
AMU864H	87
AMU864HF	87
AMU864HW	89
AMU864HWF	89
AMU864L	93
AMU864LF	93
AMU864LW	95
AMU864LWF	95
AMU864NL	99
AMU864NLF	99
AMU864NLW	101
AMU864NLWF	101
AMU864T	105
AMU864TF	105
AMU864TW	107
AMU864TWF	107
AMU864W	83
AMU864WF	83
AMVENT4XLG	139
AMVENTLG	139
AMVENTSM	139
AMXL403212L3PT	65

Catalog #	Page
HFP108	129
HFP120	129
HFP122	129
HFP142	129
HFP164	129
HFP186	129
HFP206	129
HFP2420	129
HFP2424	129
HFP3024	129
HFP66	129
HFP86	129
HFPP108	130, 131
HFPP120	130, 131
HFPP142	130, 131
HFPP164	130, 131
HFPP186	130, 131
HFPP66	130, 131
HFPP86	130, 131
HFPP88	130, 131
HFPU108	129
HFPU120	129
HFPU142	129
HFPU164	129
HFPU186	129
HFPU206	129
HFPU66	129
HFPU86	129
LLK-H316	141
LLKR-H316	141
LLPN-H	141
LLPS-H	141
LLRS-H	141
LTK-H316	141
LTKR-H316	141
LTPS-H	141
P164	128
P186	128
P206	128
P2420	128
P2424	128
P3024	128
P3630CS	128
P3636CS	128
P4836CS	128
P6036CS	128
P7225CS	75
P7249CS	77
PA164	128
PA186	128
PA206	128
PA2420	128
PA2424	128
PA3024	128
PA74	128
PA94	128
PF108	128
PF120	128
PF122	128
PF142	128
PF164	128
PF186	128
PF206	128
PF2420	128
PF2424	128
PF3024	128
PF66	128
PF74	128
PF86	128
PF94	128
PG108	128
PG120	128
PG122	128

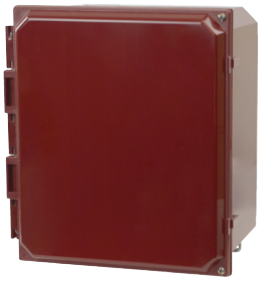
Catalog #	Page
PG142	128
PG164	128
PG186	128
PG206	128
PG2420	128
PG2424	128
PG3024	128
PG66	128
PG86	128
PL108	128, 130
PL120	128, 130
PL122	128
PL142	128, 130
PL66	128, 130
PL86	128, 130
PL88	130
PLA108	128, 130
PLA120	128, 130
PLA122	128
PLA142	128, 130
PLA66	128, 130
PLA86	128, 130
PLA88	130
PLPVC108	130
PLPVC120	130
PLPVC142	130
PLPVC164	130
PLPVC188	130
PLPVC66	130
PLPVC86	130
PLPVC88	130

Molded-In Color Match Program

Molded-In Color Match Program for Fiberglass & Polycarbonate Enclosures

AM, AM-R, AMU & AMP Series

In addition to the Stocked Color Program, Allied Moulded can color match any Pantone® color swatch for your application needs. Listed in the chart to the right are the minimum order quantities for the available enclosures based on raw material requirements.



Part Number	Min. Qty	Part Number	Min. Qty
AM743	650	AM2068(R)	80
AM943	600	AM24208R	75
AM664(R)	450	AM24200R	75
AM864(R)	350	AM24248R	75
AM1084(R)	275	AM24240R	75
AM1086(R)	225	AM30248R	75
AM1206(R)	175	AM30240R	75
AM1224(R)	175	ULTRALINE® (AMU) Series	500
AM1226(R)	175	*POLYLINE® (AMP) Series	500
AM1426(R)	150		
AM1648(R)	100		
AM1868(R)	80		

*Polycarbonate material enclosures

Additional Modifications

Allied Moulded continues to push the boundaries and has worked hard to be your source for fast, no-hassle modifications. With complete modification services, the need for inconvenient secondary handling of your enclosure is eliminated, saving you time and money. In addition to the Stocked Color Program, Allied Moulded offers a variety of additional modification services, including:

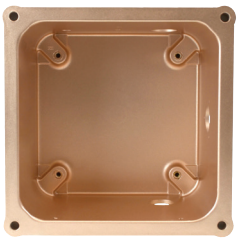
- Custom Holes & Cutouts
- Polycarbonate Viewing Windows
- EMI/RFI Shielding
- Silk Screen Printing
- Specialized Hardware
- Custom Panels

For more information on enclosure modifications, or to utilize our modification services on your enclosure project, call or email our customer service department today!

Custom Panels

Silk Screen Printing

Custom Holes & Cutouts



EMI/RFI Shielding

©2018 Allied Moulded Products, Inc.

Your Trusted Source

Allied Moulded Products, Inc. manufactures a complete line of corrosion and UV resistant NEMA Type 4X nonmetallic (fiberglass and polycarbonate) enclosures for indoor or outdoor industrial applications. The fiberglass reinforced polyester enclosures are manufactured with ULTRAGUARD®, a proprietary material formulation offering all the advantages of nonmetallic materials including: UL® listed, RoHS compliance, increased strength, reduced weight, corrosion resistance, non-conductivity, UV resistance and ease of installation. The polycarbonate enclosures are injection-molded with polycarbonate thermoplastic, offering many of the same great features as the fiberglass enclosures, with the option of a clear cover.

Allied Moulded Brand Names: POLYLINE®, ULTRALINE®, ULTRAGUARD®, ULTRAPLUG®

Enclosure Ratings: NEMA 4X, 6P, IP66, and IP68

Enclosure Series:

Pushbutton & JIC Sizes — AM, AMHD-R, AMP, AM-R, AMU
Cabinets & Freestanding Units — Control, Control XL & Empire

ALLIED MOULDED PRODUCTS INC. ISO 9001:2015 CERTIFIED

www.alliedmoulded.com

ALLIED MOULDED PRODUCTS, Inc.

222 North Union Street
Bryan, OH 43506

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

www.alliedmoulded.com

Follow us on social media!

Available Through:

©2018 Allied Moulded Products, Inc.
Industrial Catalog — 07/2018