

FIBERGLASS • POLYCARBONATE ENCLOSURES
&
ACCESSORIES



**ALLIED MOULDED
ENCLOSURE PRODUCTS**

®

We'll Work With You.

Our responsiveness to you goes beyond offering a quality product line. Valuing the relationships we have built with each customer, we work with you as partners to solve your protection requirements.

From product design to quick, on-time delivery, Allied Moulded provides fast, efficient service to meet your specific needs. Give us a try—we'll work with you.

**Allied Moulded Products—
we've got you covered!**



**Research and
Development**



Inventory



**Innovative
Design**



**Quality
Standard
Excellence**



**Customer
Service**



We're Committed.

Founded in 1958 and backed by 50 years of knowledge and experience molding fiberglass reinforced materials, Allied Moulded Products is well established within the electrical industry. We've got you covered because we have what it takes to prevent damaging elements such as water, salt, chemicals and UV from threatening your equipment. Our line of NEMA Type 4X, IEC Type IP66 fiberglass enclosures provides maximum protection where you need it most.

Centrally located in the heart of the country, Allied Moulded is unique among enclosure manufacturers as we are vertically integrated from mold design and fabrication to product delivery. With one of the newest production facilities in the United States dedicated to manufacturing fiberglass enclosures, we formulate our own Ultraguard® fiberglass reinforced polyester material, which allows us to control quality and costs. On-site molding, assembly and warehousing enables us to produce a high quality product while delivering quick turnaround on standard orders. We can also provide timely delivery on complete modification work, including holes, cutouts and special colors.

Allied Moulded Enclosure Products (India) Private Limited, subsidiary of Allied Moulded Products, Inc. USA, is the leading provider of worldwide product and service solutions for enclosing and protecting electrical and electronic systems.

Allied Moulded Products' state of the art, 42,000-square-foot, ISO 9001-2008 certified facility in Jigani Bangalore, Karnataka, India, manufactures a wide range of Thermoset and Thermoplastic enclosures meeting the strict standards for UL and NEMA certification.

Our full-service molding operation includes expertise in compression as well as our unique resin transfer molding process. Utilizing a modern automated assembly process we are pleased to provide our customers with a superior product.

Dedicated to serving both local and global markets, the Allied Moulded Products India team is committed to listening to customer needs and providing the right product solutions. Our unrelenting focus on service, delivery and value in everything we make and do, has made us who we are today.

Our environmental commitment. Allied has enacted sustainable environmental practices to reduce our manufacturing impact through improved energy and water use, and waste and emission reductions. These programs reflect our core values of accountability and environmental stewardship — and complement our continuous drive to improve efficiency.

We'll Protect You.

When you need durability, ease of handling and customizing options, we've got you covered. Our impact resistant, maintenance-free fiberglass enclosures are designed to protect against the toughest elements in the harshest environments. Compared to other metals, such as carbon and stainless steel, fiberglass also offers the following advantages:

- Lightweight and easy to handle, yet strong enough to hold up under extreme conditions
- Corrosion and chemical resistance well exceeding that of carbon steel and very similar to stainless steel
- Non-conductive electrical insulator rather than electrical conductor
- Easily punched, drilled or sawed for simpler modifications
- Fiberglass enclosures offer significant savings vs. stainless steel both in material and shipping costs

You can also count on Allied Moulded fiberglass enclosures to deliver high performance versus other non-metallic enclosures. Allied Moulded enclosures provide superior protection properties against chemicals such as strong alkalis, organic acids, and ultraviolet rays. Our fiberglass enclosures resist extremes in temperature and are flame retardant resulting in a very capable product for indoor or outdoor applications. Fiberglass reinforced polyester also exhibits excellent rigid/stiffness characteristics allowing the enclosures to be well suited for conduit installation through their walls.

Compare fiberglass with other metallic and non-metallic materials. Our fiberglass enclosures assure proven quality performance while offering considerable advantages over other enclosure alternatives. Review the comparisons and you'll find Allied Moulded fiberglass enclosures are the best choice for your application.



	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

WIDE RANGE OF INDUSTRIAL APPLICATIONS

Allied Moulded fiberglass enclosures can be found in a multitude of industrial applications all over the world. The rigid design of compression molded fiberglass together with its inherent corrosion resistance, provides a solution to a wide array of enclosure problems. The list below outlines some of the more popular industries and applications where Allied Moulded fiberglass enclosures can be found:

POWER

Power Generation-Conventional & Alternative
Power Transmission and Distribution

INFRASTRUCTURE

Airport
Road
Rail
Water technology

INDUSTRIAL

Process Industries
Chemical
Steel
Cement
Paper
Sugar

OIL and GAS

Refineries
Petrochemicals

DEFENCE

Naval





AM Series JIC Size Junction Boxes:

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 Types 1, 2, 3, 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
- IEC 60529 Type IP66
- Compliant with RoHS directive (Restriction of Hazardous Substances)

CONSTRUCTION

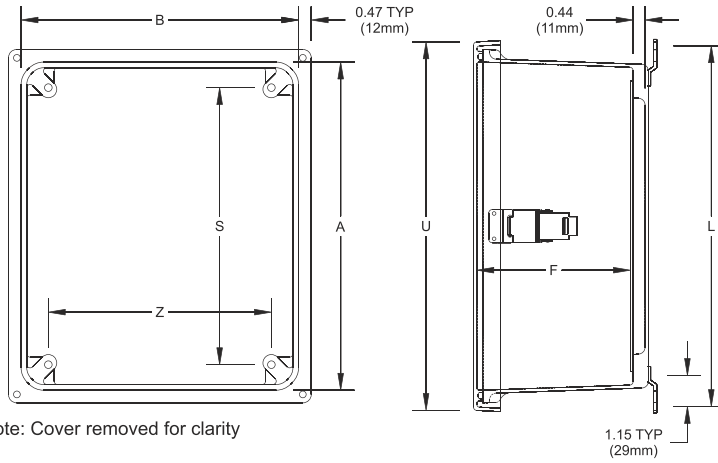
- Strong, molded Ultraguard® fiberglass reinforced polyester material construction with matching flat cover
- 300 series stainless steel snap latches feature padlock hasp
- Continuous 300 series stainless steel hinge
- Gasket made of closed cell neoprene cord encased in a continuous channel
- 300 series stainless steel wall mounting feet with 10-32 stainless steel screws included
- 10-32 threaded inserts are installed for optional back panel
- JIC sizing
- Ultraguard® fiberglass material is easily punched, drilled or sawed
- UV stabilized for outdoor use

ACCESSORIES

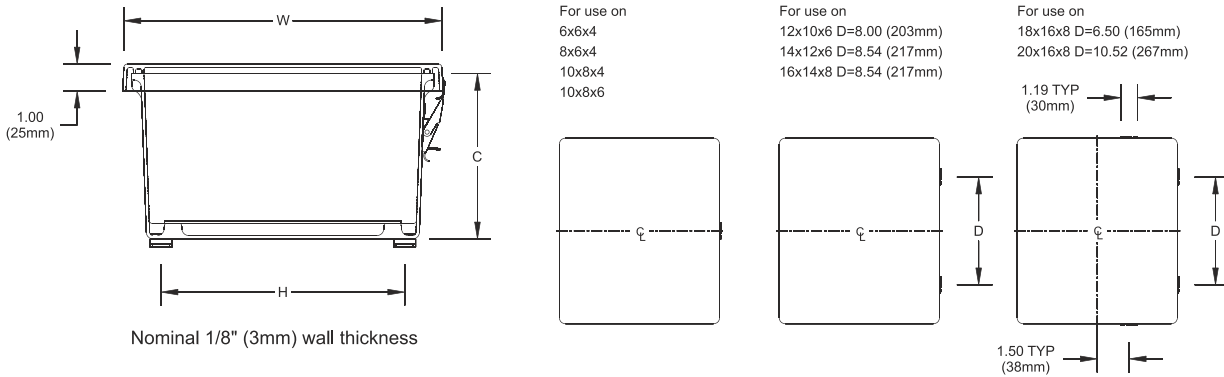
- Optional back panels
- Optional thermal management products

MODIFICATIONS

- Custom holes and cutouts
- Custom size viewing windows
- Molded-in color matches
- Hinge installed on short side



LATCH LOCATIONS



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	Height	Width	H	L	U	
AM664	6.10 155mm	6.10 155mm	4.18 106mm	3.76 96mm	4.25 108mm	4.25 108mm	4.81 122mm	4.81 122mm	5.01 127mm	7.32 186mm	7.69 195mm	7.69 195mm	4.25 X 4.25 108mm X 108mm
AM864	8.00 203mm	6.13 156mm	4.13 105mm	3.68 93mm	6.25 159mm	4.25 108mm	6.75 171mm	4.88 124mm	5.01 127mm	9.19 233mm	9.59 244mm	7.71 196mm	6.25 X 4.25 159mm X 108mm
AM1084	10.14 258mm	8.26 210mm	4.13 105mm	3.68 93mm	8.25 210mm	6.25 159mm	8.75 222mm	6.88 175mm	7.01 178mm	11.19 284mm	11.73 298mm	9.85 250mm	8.38 X 6.50 213mm X 159mm
AM1086	10.14 258mm	8.26 210mm	6.13 156mm	5.68 144mm	8.25 210mm	6.25 159mm	8.75 222mm	6.88 175mm	7.01 178mm	11.19 284mm	11.73 298mm	9.85 250mm	8.38 X 6.50 213mm X 159mm
AM1206	12.14 308mm	10.26 261mm	6.13 156mm	5.68 144mm	10.25 260mm	8.25 210mm	10.75 273mm	8.88 226mm	9.01 229mm	13.19 335mm	13.73 349mm	11.85 301mm	10.38 X 8.50 264mm X 216mm
AM1426	14.13 359mm	12.26 311mm	6.13 156mm	5.68 144mm	12.25 311mm	10.25 260mm	12.75 324mm	10.88 276mm	11.01 280mm	15.19 386mm	15.73 400mm	13.85 352mm	12.38 X 10.50 314mm X 267mm
AM1648	16.27 413mm	14.40 366mm	8.13 207mm	7.68 195mm	14.25 362mm	12.25 311mm	14.75 375mm	12.88 327mm	13.01 330mm	17.19 437mm	17.87 454mm	15.99 406mm	13.00 X 11.00 330mm X 279mm
AM1868	18.40 467mm	16.40 417mm	8.13 207mm	7.68 195mm	16.25 413mm	14.25 362mm	16.88 429mm	14.88 378mm	14.97 380mm	19.28 490mm	20.00 508mm	18.00 457mm	14.00 X 12.00 356mm X 305mm
AM2068	20.00 508mm	16.00 406mm	8.13 207mm	7.68 195mm	17.81 452mm	13.81 351mm	18.44 468mm	14.44 367mm	14.54 369mm	20.84 529mm	21.59 548mm	17.59 447mm	15.00 X 11.00 381mm X 279mm

All dimensions are in inches & mm.

Ordering Method

Above article numbers is with lift off Screw Cover.

W - Lift off Screw Cover with window.

H - Hinged Screw Cover.

HW - Hinged Screw Cover with window.

L - Snap Latch hinged Cover.

LW - Snap Latch hinged Cover with Window.

I - Article number followed with I indicates IEC product.





AMU Series JIC Size Junction Boxes:

APPLICATION

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

STANDARDS

- UL Types 1, 2, 3, 4, 4X, 6P, 12, and 13
- CSA Types 1, 2, 3, 3R, 4, 4X, 6P, 12 and 13
- 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 (1.8meters)
- Enclosure flammability rating per UL@ 50
- Joint Industrial Council (JIC) enclosure sizing
- Compliant with RoHS directive (Restriction of Hazardous Substances)

CONSTRUCTION

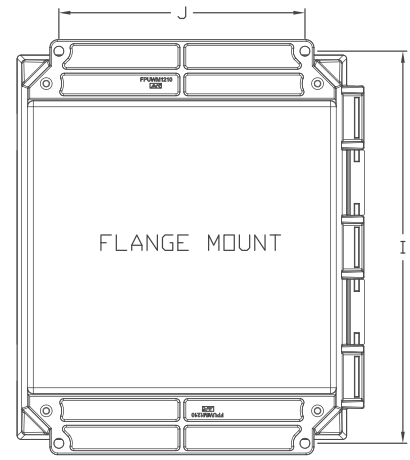
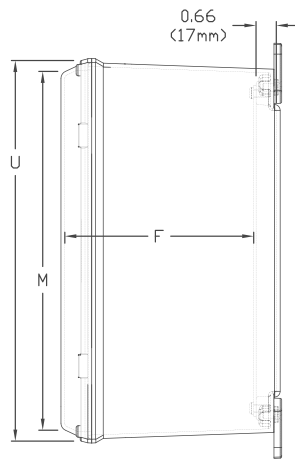
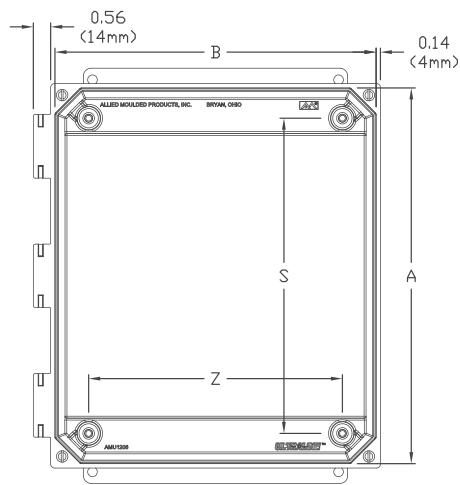
- Compression molded fiberglass reinforced polyester construction with flush, solid/opaque cover
- Allied Moulded Ultraguard® fiberglass reinforced polyester material formulation - UV stabilized for outdoor use
- Light gray color (RAL 7035)
- 300 series stainless steel captive cover screws
- Gasket made of closed cell neoprene cord encased in a continuous tongue and groove channel
- Polycarbonate flanges (installed) and mounting feet (bagged) with four 300 series stainless steel screws
- 10-32 threaded brass inserts are installed for back panel mounting

ACCESSORIES

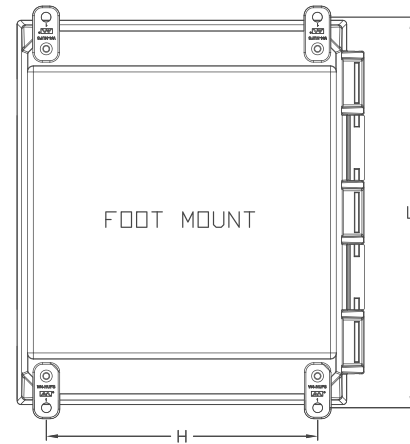
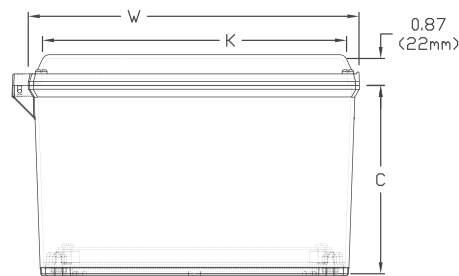
- Optional back panels and hinged front panels
- Optional thermal management products

MODIFICATIONS

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



Note: Cover Removed for Clarity



Part No.	Box Size			Usable Depth	Panel Boss Centers		Panel Sizes		Flange Mount Centers		Foot Mount Centers		Cover Size				Nom. Wall Thickness
	A	B	C		F	S	Z	Height	Width	J	I	H	L	K	M	W	
AMU664H(F*)	6.05 154mm	6.27 159mm	4.13 105mm	4.11 104mm	4.25 108mm	4.25 108mm	4.81 122mm	4.81 122mm	4.00 102mm	6.88, 6.75 175, 171mm	4.91 125mm	6.75 171mm	5.89 150mm	5.67 144mm	6.72 171mm	6.50 165mm	0.13 3mm
AMU864H(F*)	8.05 204mm	6.27 159mm	4.13 105mm	4.11 104mm	6.25 159mm	4.25 108mm	6.75 171mm	4.88 124mm	4.00 102mm	8.88, 8.75 226, 222mm	4.91 125mm	8.75 222mm	5.89 150mm	7.67 195mm	6.72 171mm	8.50 216mm	0.13 3mm
AMU1084H(F*)	10.05 255mm	8.27 210mm	4.13 105mm	4.11 104mm	8.25 210mm	6.25 159mm	8.75 222mm	6.88 175mm	6.00 152mm	10.75 273mm	6.91 176mm	10.75 273mm	7.89 200mm	9.67 246mm	8.72 221mm	10.50 267mm	0.13 3mm
AMU1206H(F*)	12.05 306mm	10.27 261mm	6.13 156mm	6.11 155mm	10.25 260mm	8.25 210mm	10.75 273mm	8.88 226mm	8.00 203mm	12.75 324mm	8.82 224mm	12.70 323mm	9.89 251mm	11.67 296mm	10.72 272mm	12.50 318mm	0.13 3mm
AMU1426H(F*)	14.05 357mm	12.27 312mm	6.13 156mm	6.11 155mm	12.25 311mm	10.25 260mm	12.75 324mm	10.88 276mm	10.00 254mm	14.75, 14.62 375, 371mm	10.82 275mm	14.70 373mm	11.89 302mm	13.67 347mm	12.72 323mm	14.50 368mm	0.13 3mm
AMU1648H(F*)	16.05 408mm	14.27 362mm	8.13 207mm	8.11 206mm	14.25 362mm	12.25 311mm	14.75 375mm	12.88 327mm	12.00 305mm	16.75 425mm	11.47 291mm	16.91 430mm	13.89 353mm	15.67 398mm	14.72 374mm	16.50 419mm	0.14 4mm
AMU1860H(F*)	18.12 460mm	16.34 415mm	10.13 257mm	10.10 257mm	16.25 413mm	14.25 362mm	16.88 429mm	14.88 378mm	12.00 305mm	18.88, 18.76 480, 477mm	13.72 348mm	19.16 487mm	16.14 410mm	17.92 455mm	16.97 431mm	18.75 476mm	0.19 5mm
AMU2060H(F*)	19.87 505mm	16.09 409mm	10.13 257mm	10.10 257mm	17.81 452mm	13.81 351mm	18.44 468mm	14.44 367mm	10.00 254mm	21.25 540mm	13.16 334mm	20.53 521mm	15.89 404mm	19.67 500mm	16.72 425mm	20.50 521mm	0.19 5mm

All dimensions are in inches & mm.

Ordering Method

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

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

"I" dimensions with multiple numbers indicate slotted holes

All sizes 6" x 6" x 4" up through 20" x 16" x 10" are rated 6P (IP68)

WF - Lift Off Screw Cover with Window

CCF - Lift-Off Screw Cover - Clear Polycarbonate

HF - Hinged Screw Cover - solid

HWF - Hinged Screw Cover with Window

LF - Snap Latched Hinged Cover

HWF - Snap Latched Hinged Cover with Window

CCLF - Snap Latched Hinged Cover - Clear Polycarbonate





AM Series Small Junction Boxes: 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 in ordinary locations

STANDARDS

- UL Types 1, 2, 3, 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
- IEC 60529 Type IP66
- Compliant with RoHS directive (Restriction of Hazardous Substances)

CONSTRUCTION

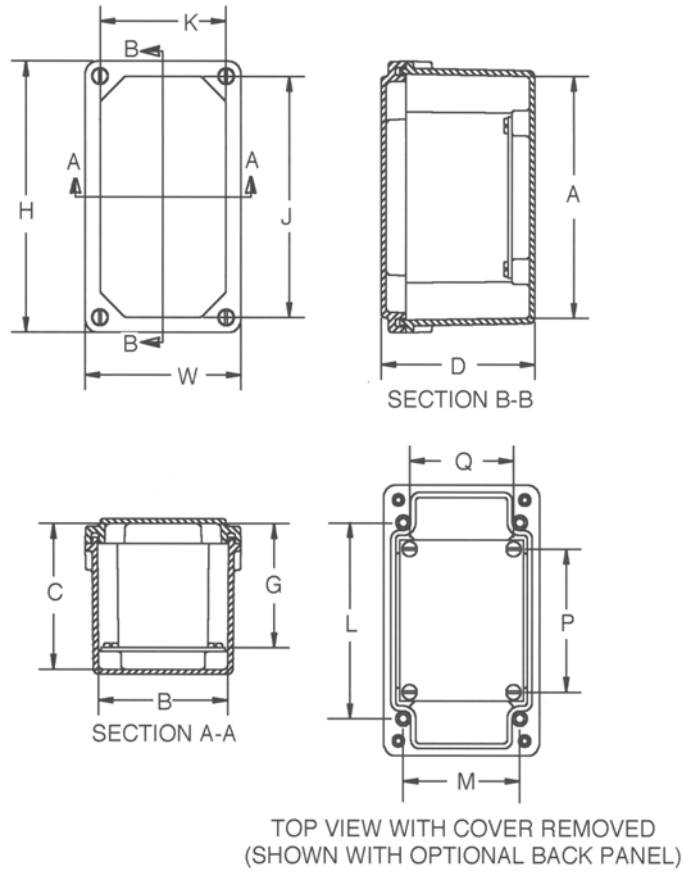
- Rugged, molded Ultraguard® fiberglass reinforced polyester material construction with reinforced corners
- Two standard sizes: 7" x 4" x 3" and 9" x 4" x 3"
- 300 series stainless steel captive cover screws and mounting feet
- "Tongue and groove" type closed-cell neoprene gasket
- Threaded inserts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

ACCESSORIES

- Optional back panels

MODIFICATIONS

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



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. Thickness; "PA" (.100) "PF" (.125)

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

All dimensions are in inches & mm. Available with or without stainless steel mounting feet. Suffix "SF" denotes box without mounting feet.





AM Series Pushbutton Enclosures: 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 in ordinary locations

STANDARDS

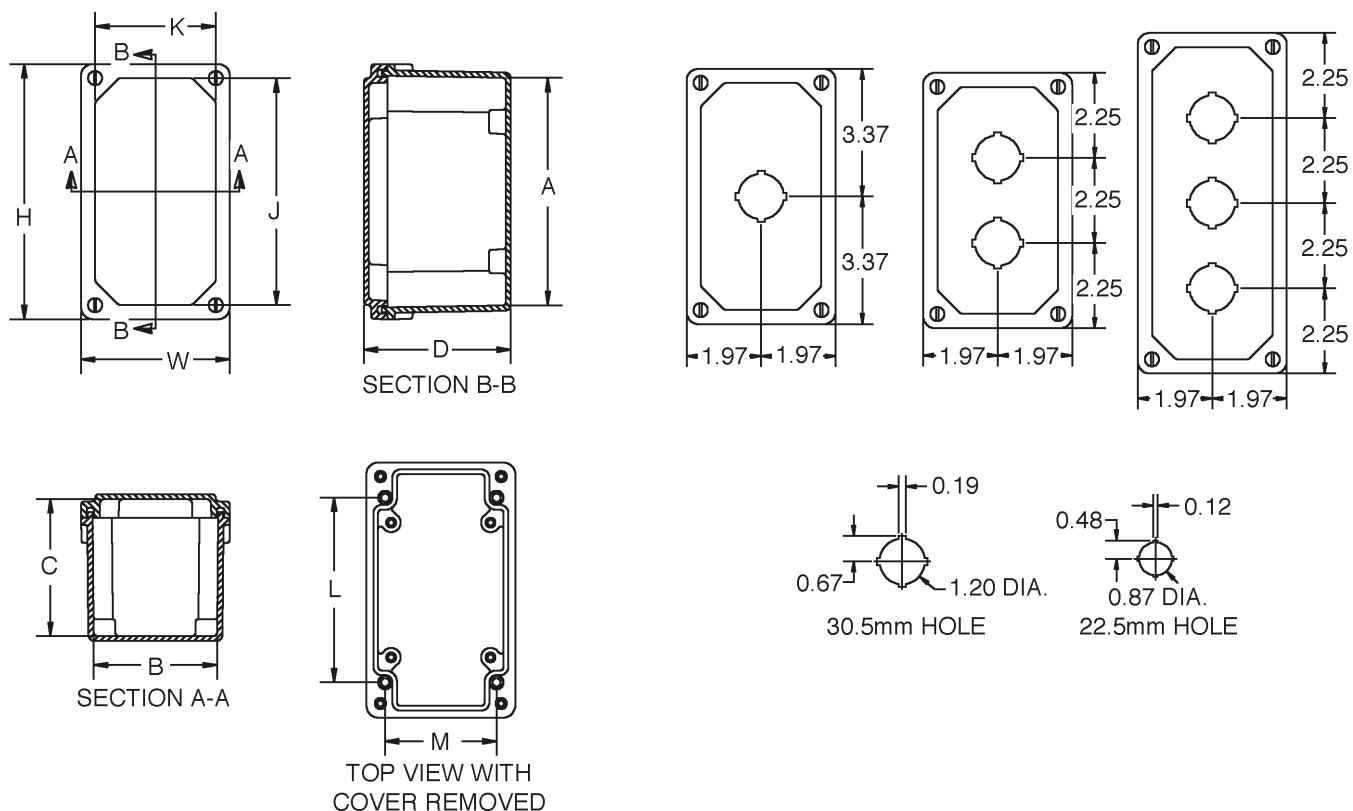
- UL Types 1, 2, 3, 4, 4X, 12, and 13
- CSA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- IEC 60529 Type IP66
- Compliant with RoHS directive (Restriction of Hazardous Substances)

CONSTRUCTION

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

MODIFICATIONS

- Molded-in color matches



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

All dimensions are in inches & mm.

Note: Mounting feet are not included as standard.





AM-R Series JIC Size Junction Boxes:

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 Types 1, 2, 3, 4, 4X, 12, and 13 (6P for sizes 6" x 6" up through 14" x 12")
- CSA Types 1, 2, 3, 3R, 4, 4X, 12 and 13 (6P for sizes 6" x 6" up through 14" x 12")
- NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13 (6P for sizes 6" x 6" up through 14" x 12")
- IEC 60529 Type IP66 and units rated for 6P or IP68 submersible up to 24 hours at a depth of 6 feet (1.8 meters)
- Compliant with RoHS directive (Restriction of Hazardous Substances)

CONSTRUCTION

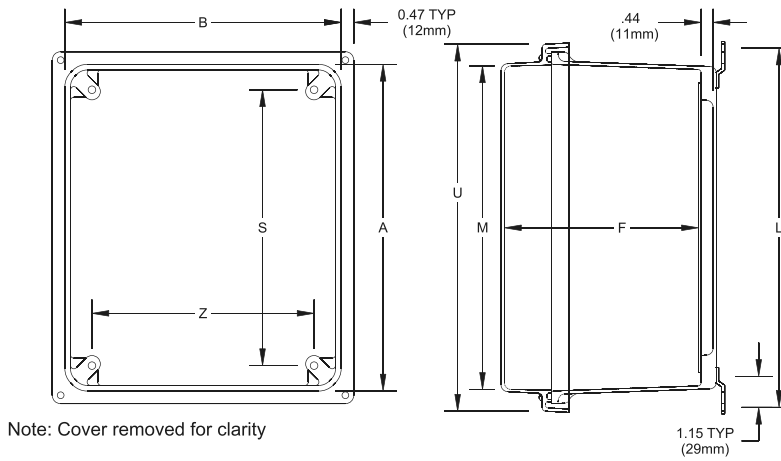
- Strong, molded Ultraguard® fiberglass reinforced polyester material construction with matching raised cover
- 300 series stainless steel captive cover screws
- Gasket made of closed-cell neoprene cord encased in a continuous channel
- 300 series stainless steel wall mounting feet with 10-32 stainless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

ACCESSORIES

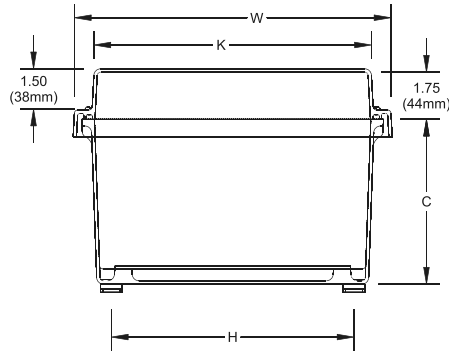
- Optional back panels.
- Optional hinged front panel.
- Optional thermal management products.

MODIFICATIONS

- Custom size holes and cutouts
- Custom size polycarbonate viewing windows
- Molded-in color matches
- Hinge installed on short side



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	Height	Width	H	L	K	M	U
AM664	6.10 155mm	6.10 155mm	4.18 106mm	5.26 134mm	4.25 108mm	4.25 108mm	4.81 122mm	4.81 122mm	5.01 127mm	7.32 186mm	6.08 154mm	6.08 154mm	7.69 195mm	7.69 195mm
AM864	8.00 203mm	6.13 156mm	4.13 105mm	5.21 132mm	6.25 159mm	4.25 108mm	6.75 171mm	4.88 124mm	5.01 127mm	9.19 233mm	6.11 155mm	7.98 203mm	9.59 244mm	7.71 196mm
AM1084	10.14 258mm	8.26 210mm	4.13 105mm	5.21 132mm	8.25 210mm	6.25 159mm	8.75 222mm	6.88 175mm	7.01 178mm	11.19 284mm	8.44 214mm	10.32 262mm	11.73 298mm	9.85 250mm
AM1086	10.14 258mm	8.26 210mm	6.13 156mm	7.21 183mm	8.25 210mm	6.25 159mm	8.75 222mm	6.88 175mm	7.01 178mm	11.19 284mm	8.44 214mm	10.32 262mm	11.73 298mm	9.85 250mm
AM1206	12.14 308mm	10.26 261mm	6.13 156mm	7.21 183mm	10.25 260mm	8.25 210mm	10.75 273mm	8.88 226mm	9.01 229mm	13.19 335mm	10.45 265mm	12.32 313mm	13.73 349mm	11.85 301mm
AM1426	14.13 359mm	12.26 311mm	6.13 156mm	7.21 183mm	12.25 311mm	10.25 260mm	12.75 324mm	10.88 276mm	11.01 280mm	15.19 386mm	12.45 316mm	14.32 364mm	15.73 400mm	13.85 352mm
AM1648	16.27 413mm	14.40 366mm	8.13 207mm	9.21 234mm	14.25 362mm	12.25 311mm	14.75 375mm	12.88 327mm	13.01 330mm	17.19 437mm	13.86 352mm	15.73 400mm	17.87 454mm	15.99 406mm
AM1868	18.40 467mm	16.40 417mm	8.13 207mm	9.21 234mm	16.25 413mm	14.25 362mm	16.88 429mm	14.88 378mm	14.97 380mm	19.28 490mm	15.86 403mm	17.86 454mm	20.00 508mm	18.00 457mm
AM2068	20.00 508mm	16.00 406mm	8.13 207mm	9.21 234mm	17.81 452mm	13.81 351mm	18.44 468mm	14.44 367mm	14.54 369mm	20.84 529mm	15.43 392mm	19.43 494mm	21.59 548mm	17.59 447mm

All dimensions are in inches & mm.

Ordering Method

Sizes 6" x 6" up through 14" x 12" are rated 6P (IP68)

R - Lift-Off Screw Cover

RW - Lift-Off Screw Cover with Window

RH - Hinged Screw Cover

RHW - Hinged Screw Cover with Window

RL - Snap Latch Hinged Cover

RLW - Sap Latch Hinged Cover with Window





Control Series:

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 Types 1, 2, 3, 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
- IEC 60529 Type IP66
- Compliant with RoHS directive (Restriction of Hazardous Substances)

CONSTRUCTION

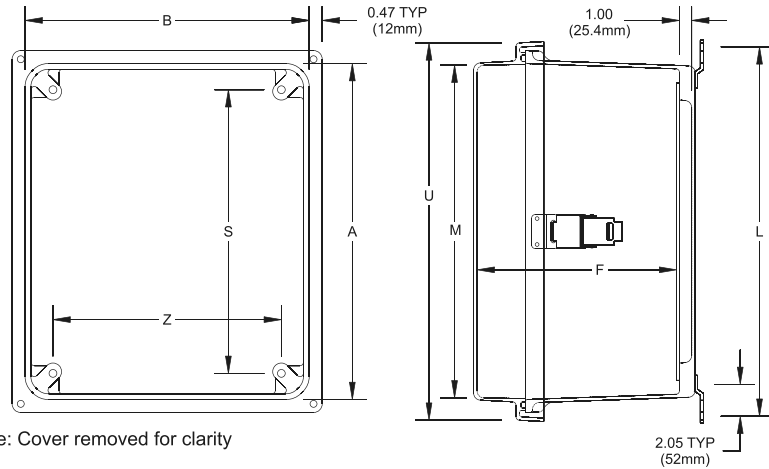
- Strong, molded Ultraguard® fiberglass reinforced polyester material construction with matching raised cover
- Full panel access
- All usable panel space
- 300 series stainless steel snap latches feature padlock hasp
- Two 300 series stainless steel hinges
- Closed-cell neoprene gasket encased in a continuous channel
- 300 series stainless steel wall mounting feet with 3/8-16 stainless steel screws included
- 3/8-16 threaded inserts are installed for optional back panel
- Ultraguard® fiberglass material is easily punched, drilled or sawed
- UV stabilized for outdoor use

ACCESSORIES

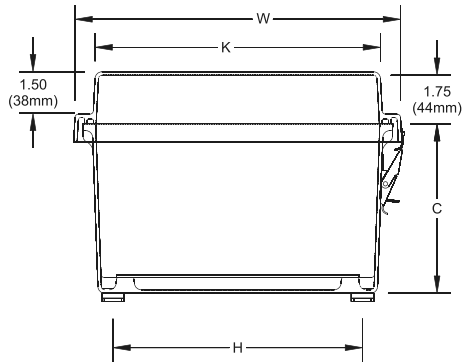
- Optional back panels
- Optional hinged front panel
- Optional thermal management products

MODIFICATIONS

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



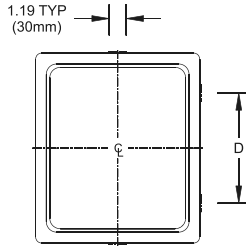
Note: Cover removed for clarity



Nominal 1/8" (3mm) wall thickness

LATCH LOCATIONS

For use on:
 24x20x8 D=16.00 (406mm) 24x20x10 D=16.00 (406mm)
 24x24x8 D=16.00 (406mm) 24x24x10 D=16.00 (406mm)
 30x24x8 D=19.98 (507mm) 30x24x10 D=19.98 (507mm)



Part No.	Box Size			Usable Depth	Panel Boss Centers		Panel Sizes		Foot Mount Centers		Cover Size			
	A	B	C		F	S	Z	Height	Width	H	L	K	M	U
AM24208	24.00	20.00	8.13	8.56	19.25	15.25	21.00	17.00	18.75	26.85	20.16	24.16	25.59	21.59
	610mm	508mm	207mm	217mm	489mm	387mm	533mm	432mm	476mm	682mm	512mm	614mm	650mm	548mm
AM24248	24.00	24.00	8.13	8.56	19.25	19.25	21.00	21.00	22.75	26.85	24.16	24.16	25.59	25.59
	610mm	610mm	207mm	217mm	489mm	489mm	533mm	533mm	578mm	682mm	614mm	614mm	650mm	650mm
AM30248	30.00	24.00	8.13	8.56	25.25	19.25	27.00	21.00	22.75	32.85	24.16	30.16	31.59	25.59
	762mm	610mm	207mm	217mm	641mm	489mm	686mm	533mm	578mm	834mm	614mm	766mm	802mm	650mm
AM24200	24.00	20.00	10.13	10.56	19.25	15.25	21.00	17.00	18.75	26.85	20.16	24.16	25.59	21.59
	610mm	508mm	257mm	268mm	489mm	387mm	533mm	432mm	476mm	682mm	512mm	614mm	650mm	548mm
AM24240	24.00	24.00	10.13	10.56	19.25	19.25	21.00	21.00	22.75	26.85	24.16	24.16	25.59	25.59
	610mm	610mm	257mm	268mm	489mm	489mm	533mm	533mm	578mm	682mm	614mm	614mm	650mm	650mm
AM30240	30.00	24.00	10.13	10.56	25.25	19.25	27.00	21.00	22.75	32.85	24.16	30.16	31.59	25.59
	762mm	610mm	257mm	268mm	641mm	489mm	686mm	533mm	578mm	834mm	614mm	766mm	802mm	650mm

All dimensions are in inches & mm.

Ordering Method

RL - Snap Latch Hinged Cover

RLW - Snap Latch Hinged Cover with Window





Empire Series: Wall Mount 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 Types 1, 4, and 4X
- CSA Types 1, 4, and 4X
- NEMA Types 1, 4, and 4X
- IEC 60529 Type IP66

CONSTRUCTION

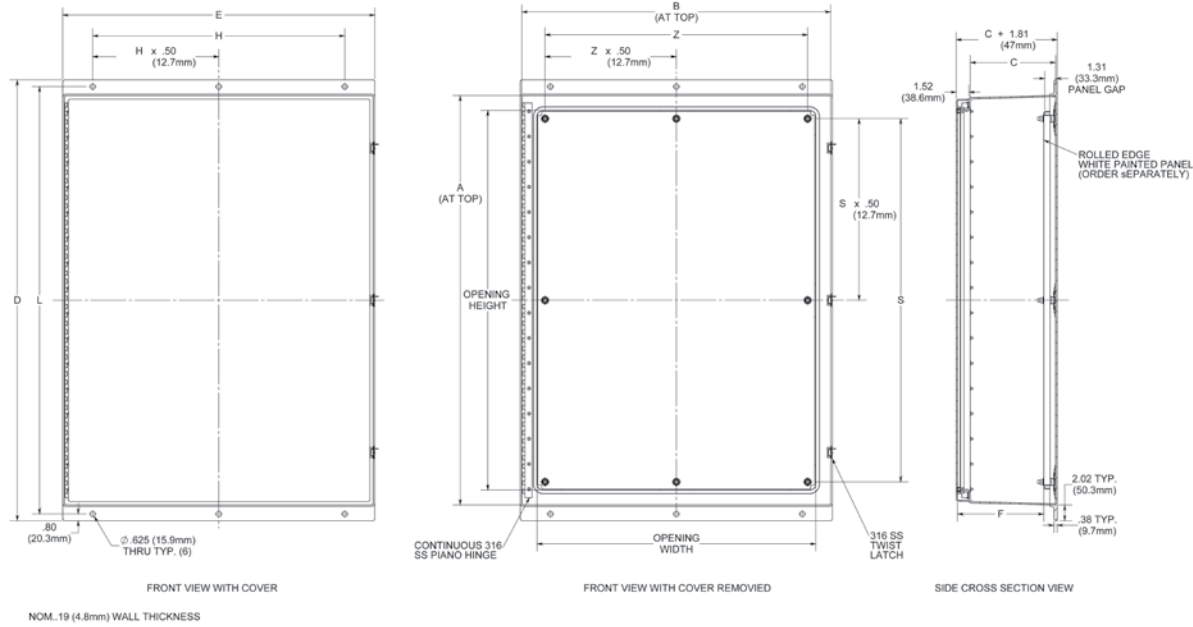
- Durable, corrosion resistant Ultraguard® fiberglass material construction
- Flexible, self-gripping gasket compresses over flange for tight seal and needs only three closure twist latches to meet NEMA 4X requirements (AM6036 requires 4 latches)
- Heavy-duty continuous 300 series stainless steel hinge
- Ultraguard® fiberglass material has UV inhibitors which provide ideal protection from outdoor weathering

ACCESSORIES

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

MODIFICATIONS

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



Part No.	Box Dim. at Top			Overall Box Dim.		Usable Depth F	Flange Mount		Opening		Panel Studs		Panel Size		
	A	B	C	D	E		H	L	Height	Width	# of Studs	S	Z	Height	Width
AM363012L	36.25 921mm	30.25 768mm	10.14 258mm	40.50 1,029mm	31.15 791mm	10.27 261mm	24.00 610mm	38.90 988mm	33.50 851mm	27.50 699mm	6	31.25 794mm	25.25 641mm	33.00 838mm	27.00 686mm
AM363016L	36.04 915mm	30.04 763mm	14.16 359mm	40.50 1,029mm	31.15 791mm	14.27 362mm	24.00 610mm	38.90 988mm	33.50 851mm	27.50 699mm	6	31.25 794mm	25.25 641mm	33.00 838mm	27.00 686mm
AM363612L	36.25 921mm	36.25 921mm	10.14 258mm	40.50 1,029mm	37.15 944mm	10.27 261mm	30.00 762mm	38.90 988mm	33.50 851mm	33.50 851mm	8	31.25 794mm	31.25 794mm	33.00 838mm	33.00 838mm
AM363616L	36.04 915mm	36.04 915mm	14.14 3659mm	40.50 1,029mm	37.15 944mm	14.27 362mm	30.00 762mm	38.90 988mm	33.50 851mm	33.50 851mm	8	31.25 794mm	31.25 794mm	33.00 838mm	33.00 838mm
AM483612L	48.25 1,226mm	36.25 921mm	10.14 258mm	52.50 1,334mm	37.15 944mm	10.27 261mm	30.00 762mm	50.90 1,293mm	45.50 1,156mm	33.50 851mm	8	43.25 1,099mm	31.25 794mm	45.00 1,143mm	33.00 838mm
AM483616L	48.04 1,220mm	36.04 915mm	14.164 359mm	52.50 1,334mm	37.15 944mm	14.27 362mm	30.00 762mm	50.90 1,293mm	45.50 1,156mm	33.50 851mm	8	43.25 1,099mm	31.25 794mm	45.00 1,143mm	33.00 838mm
AM603612L	60.25 1,530mm	36.25 921mm	10.14 258mm	64.50 1,638mm	37.15 944mm	10.27 261mm	30.00 762mm	62.90 1,598mm	57.50 1,461mm	33.50 851mm	8	55.25 1,403mm	31.25 794mm	57.00 1,448mm	33.00 838mm
AM603616L	60.04 1,525mm	36.04 915mm	14.14 360mm	64.50 1,638mm	37.15 944mm	14.27 362mm	30.00 762mm	62.90 1,598mm	57.50 1,461mm	33.50 851mm	8	55.25 1,403mm	31.25 794mm	57.00 1,448mm	33.00 838mm

All dimensions are in inches & mm.





Empire Series: Free Standing Single Door



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

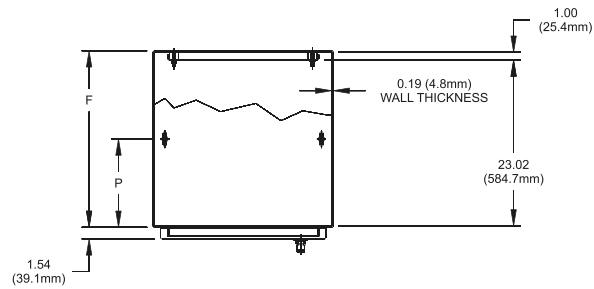
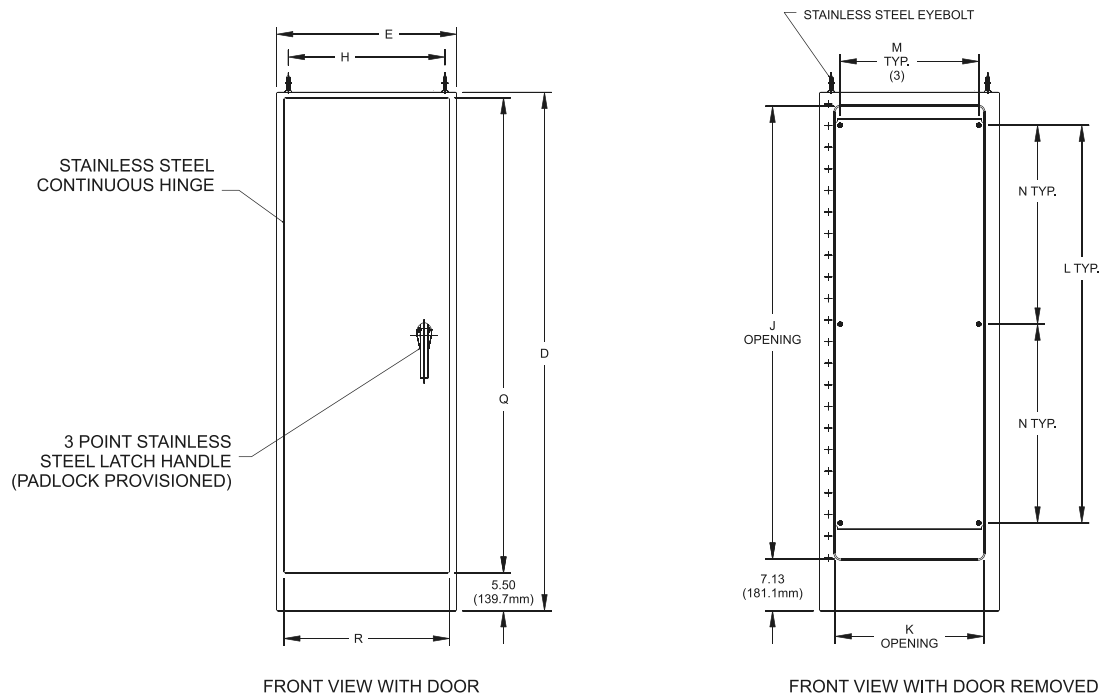
- UL Types 1, 4, and 4X
- CSA Types 1, 4, and 4X
- NEMA Types 1, 4, and 4X
- IEC 60529 Type IP66

CONSTRUCTION

- Durable, corrosion resistant Ultraguard® fiberglass material construction
- Soft, self-gripping gasket compresses over flange for tight seal and has one 3 point latching handle with padlocking provision
- Heavy-duty continuous 300 series stainless steel hinge
- Ultraguard® fiberglass material has UV inhibitors which provide ideal protection from outdoor weathering
- Heavy duty lifting eyes
- Molded-in drip shield

ACCESSORIES

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



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

All dimensions are in inches & mm.

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





Empire Series: Free Standing Double Door



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

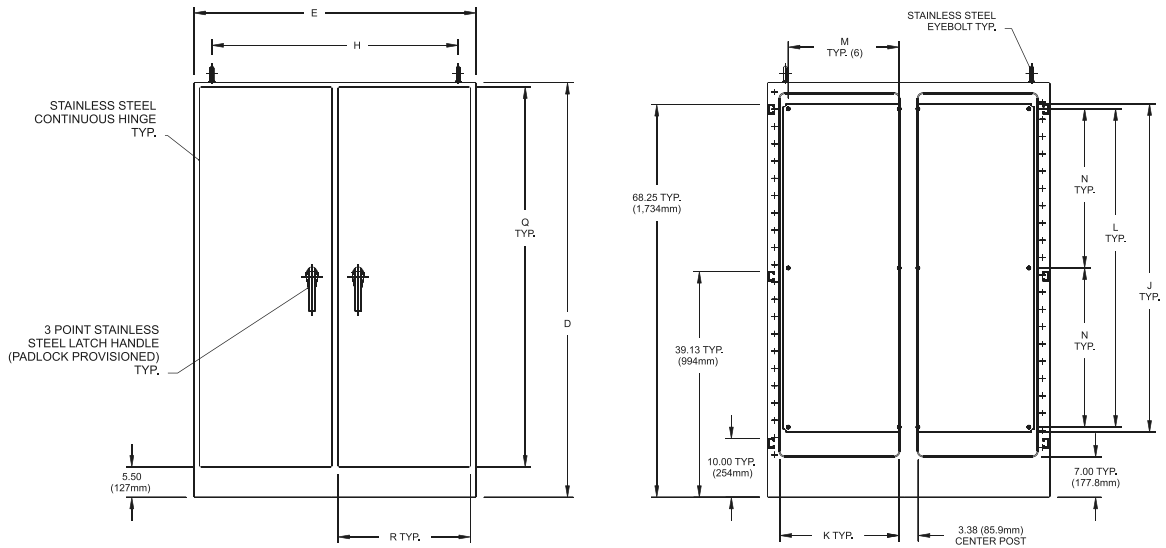
- UL Types 1, 4, and 4X
- CSA Types 1, 4, and 4X
- NEMA Types 1, 4, and 4X
- IEC 60529 Type IP66

CONSTRUCTION

- Durable, corrosion resistant Ultraguard® fiberglass material construction
- Flexible, self-gripping gasket compresses over flange for tight seal and has two 3 point latching handles with padlocking provision
- Heavy-duty continuous 300 stainless steel hinge
- Ultraguard® Fiberglass material has UV inhibitors which provide ideal protection from outdoor weathering
- Heavy duty lifting eyes
- Molded-in drip shield
- Fiberglass mounting strut installed on side

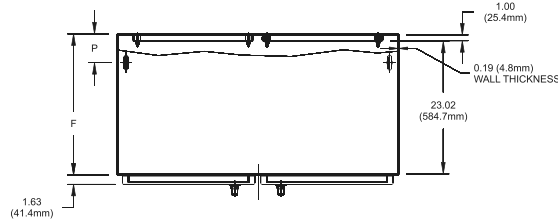
ACCESSORIES

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



FRONT VIEW WITH DOORS

FRONT VIEW WITH DOORS REMOVED



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

All dimensions are in inches & mm.

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



POLYLINE®

POLYLINE® comes standard with “industry exclusive” multi-mounting capability, including an out-of-the-box mounting flange or adjustable mounting feet which adapt to various mounting configurations. Featuring metallic or nonmetallic latches and molded-in latch keepers and mounting bosses, a tongue and groove seal joint between cover and base, POLYLINE is the ultimate in polycarbonate enclosures. A clear polycarbonate cover option is also available for instrumentation applications where critical electronic equipment must be visible and protected from the elements.

POLYLINE® SERIES

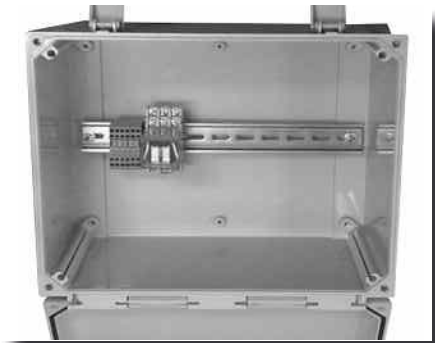


AMP Series Features & Benefits

- Patented multi-mounting capability
 - Out-of-the-box flange design – factory installed
 - Optional foot mount brackets for multi-directional mounting (vertical or horizontal positioning)
- Mounting dimensions molded into the enclosure base
- Durable polycarbonate feet/flanges resist cracking during wall mount assembly
- Feet and flanges act as an enclosure pad on uneven surfaces preventing enclosure from being drawn down and binding
- Feet and flange pads also allow an air gap or barrier between the enclosure and a warm machine chassis or mounting wall to prevent over-heating



- Cover to base design – flush, aesthetically pleasing and more modern architecture
 - Clear polycarbonate instrumentation cover where critical electrical/electronic equipment must be visible and protected from the elements
 - Solid/opaque covers available as an additional option



- Molded hinge design with stainless steel tamper resistant hinge pin with no wall penetrations
- Tongue and groove, closed cell neoprene seal design achieves NEMA Type 4X rating

- Metal or nonmetal snap latches mount on a molded-in boss and they latch to molded-in keepers with no additional wall penetrations
- Padlock hasp comes standard on all snap latches

- Molded-in back panel bosses with brass inserts and additional center bosses for mounting din rail using #10 sheet metal screws



- Adjustable corner panel mounts for supporting the aluminum hinge front panel within the molded-in corner slots and provides either flush positioning with the box top or adjustability down in the box 1.5" deep

AMP Series - Polyline™ JIC Size Junction Boxes:



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

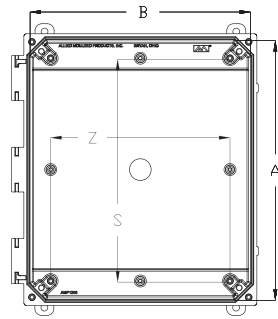
- UL Types 1, 2, 3, 4, 4X, 12 and 13
- CSA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- NEMA Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- IEC 60529 Type IP66
- Enclosure flammability V-0 per UL 94
- Joint Industrial Council (JIC) sizing
- UV rating (f1) per UL 746C - UV stabilized for outdoor use
- Compliant with RoHS directive

Construction

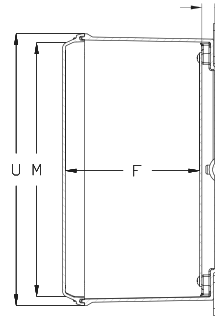
- Injection molded polycarbonate thermoplastic – opaque cover, enclosure base, feet and flanges
- Opaque cover, base, feet, and flanges – Light gray color (RAL 7035)
Note: flanged models are pre-assembled, foot models mounting hardware supplied in a bag
- Stainless steel captive cover screws and foot/flange mounting hardware
- Cover seal – closed cell neoprene cord encased in a continuous tongue and groove channel
- #10-32 threaded brass inserts are installed for optional back panel mounting

Accessories

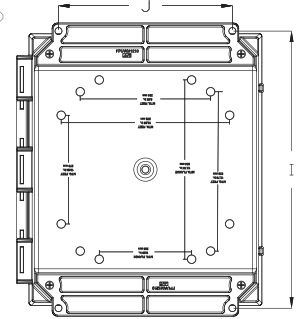
- Optional back panels (white painted steel and aluminum) and hinged front panels (aluminum)
- Optional mounting hardware based on model number – foot or flange mount
- Additional molded-in mounting bosses available for directly mounting DIN rails



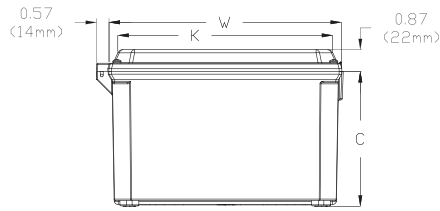
NOTE: COVER REMOVED FOR CLARITY



0.58
(15mm)

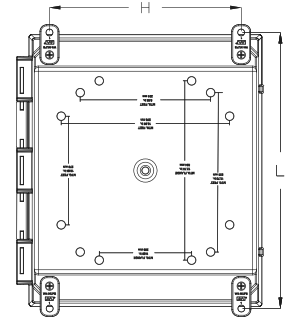


FLANGE MOUNT



0.57
(14mm)

0.87
(22mm)



FOOT MOUNT

	Box Size Inside Dimensions			Usable Depth	Panel Boss Centers		Flange Mount Centers		Foot Mount Centers		Cover Size				Nominal Wall Thickness
	A	B	C		F	S	Z	J	I	H	L	K	M	W	
AMP664	5.93	6.16	3.98	4.18	4.25	4.25	4.00	6.88 6.75	4.91	6.75	5.89	5.67	6.72	6.50	0.14
	151mm	156mm	101mm	106mm	108mm	108mm	102mm	175mm 171mm	125mm	171mm	150mm	144mm	171mm	165mm	3.7mm
AMP864	7.94	6.16	3.98	4.18	6.25	4.25	4.00	8.88 8.75	4.91	8.75	5.89	7.67	6.72	8.50	0.14
	202mm	156mm	101mm	106mm	159mm	108mm	102mm	226mm 222mm	125mm	222mm	150mm	195mm	171mm	216mm	3.7mm
AMP1084	9.93	8.15	3.98	4.18	8.25	6.25	6.00	10.75	6.91	10.75	7.89	9.67	8.72	10.50	0.14
	252mm	207mm	101mm	106mm	210mm	159mm	152mm	273mm	175mm	273mm	200mm	246mm	221mm	267mm	3.7mm
AMP1206	11.92	10.15	5.98	6.18	10.25	8.25	8.00	12.75	8.82	12.70	9.89	11.67	10.72	12.50	0.14
	303mm	258mm	152mm	157mm	260mm	210mm	203mm	324mm	224mm	323mm	251mm	296mm	272mm	318mm	3.7mm
AMP1426	13.94	12.16	5.98	6.18	12.25	10.25	10.00	14.75 14.62	10.82	14.70	11.89	13.67	12.72	14.50	0.14
	354mm	309mm	152mm	157mm	311mm	260mm	254mm	375mm 371mm	275mm	373mm	302mm	347mm	323mm	368mm	3.7mm

All dimensions are in inches & mm.

Ordering Method

Enclosure base part numbers come standard with 4 separately bagged feet (ex. AMP664)

F - Lift-Off Screw Cover - Solid

CCF - Lift-Off Screw Cover - Clear Polycarbonate - Solid

HF - Hinged Screw Cover

CCHF - Hinged Screw Cover - Clear Polycarbonate

NLF - Non Metal Snap Latch Hinged Cover - Solid

CCNLF - Non Metal Snap Latch Hinged Cover - Clear Polycarbonate

LF - Metal Snap Latch Hinged Cover - Solid

CCLF - Metal Snap Latch Hinged Cover - Clear Polycarbonate

ACCESSORIES

We'll complement you.

Enclosure Complementary Accessories:

Allied Moulded is pleased to offer a variety of the most often requested enclosure accessory products. We take pride in the quality of each fiberglass reinforced polyester enclosure we manufacture and are committed to providing our panel builder customers additional accessories required to complete their innovative integrated systems.



Back panels
(Carbon steel,
aluminum, frp,
galvannealed)



**Hinged
front panels**
(Aluminum)



**Pole
Mount
Kits**



**Pull Type
Handle**



Ventilator kits



Exhaust filter kits



Keylock kits



Print pocket



Cord grip

We'll do it your way.

Our responsiveness goes beyond offering a quality product line. Valuing the relationships we have built with each customer, we work with you as partners to solve your protection problems. From product design to quick, on-time delivery, Allied Moulded provides fast, efficient service to meet your specific needs.

Give us a try—we'll work with you.

**Allied Moulded Products—
we've got you covered!**



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 and AM-R maximum size 30 x 24 x 10 are certified:

UL types 1, 2, 3, 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

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 solid opaque or clear covers (excluding window covers) secured with four mounting screws 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 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 (1.8m).

CONTACT INFORMATION

Available Through:



**ALLIED MOULDED
ENCLOSURE PRODUCTS
(INDIA) Pvt. Ltd.**

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