nVent | HOFFMAN

UNIVERSAL FREE-STAND ENCLOSURES, TYPE 4X

INDUSTRY STANDARDS

UL 508A Listed; Type 4X, 4, 12, 3R; File No. E61997
cUL Listed per CSA C22.2 No. 94; Type 4X, 4, 12, 3R; File No. E61997

NEMA Type 4X, 4, 12, 3R
CSA File No. 42186: Type 4X, 4, 12, 3R
IEC 60529, IP66
IEC 62208, IK10 Impact Rating

APPLICATION

Universal Free-Stand Enclosure is designed to protect equipment and employees in industrial manufacturing applications. The one- and two-door models are bayed together to create application-specific configurations for indoor and outdoor use. Accessories are available to improve end user safety and add additional panel space.

FEATURES

Primary enclosure (left side open):
One- and two-door models with a preferred disconnect cutout on the right flange to provide mounting for most disconnect operators. The doors are hinged on the left side to interact with disconnect device. The Primary door activates the furnished mechanical interlock which prevents bayed secondary doors from being opened first. The bayed doors can be closed in any order. The primary door has a defeater which requires a screwdriver to open.

Secondary enclosure (Both sides open, Right Side Open):
One- and two-door models are used to expand solution and configure for required application. Two-door models have removable centerpost for improved panel loading. Interlock components are furnished with interlock connection rods shipped loose.

Mechanical Interlock System:
The improved mechanical interlock is easy to install and superiorly secure. The latching systems captivate the door rod guides, adding security by maintaining three-point contact. The interlock is also easily modified for voltage separation or easily expanded up to six doors.

SPECIFICATIONS

- Body - 12 gauge stainless steel
- Doors - 12 gauge stainless steel
- Seams are continuously welded and ground smooth
- Body stiffeners in larger enclosures for extra rigidity
- Body flange trough excludes liquids and contaminants
- Heavy-duty lifting eyes anchor into reinforced top
- Concealed, easy-to-remove hinges
- Heavy-duty 3-point latching mechanism operated by padlocking handle on all doors
- Data pocket is high-impact thermoplastic
- Oil-resistant door gasket
- Panel supports
- Bonding provision on door
- Mechanical interlock standard on each enclosure; parts required to connect interlock system between adjacent enclosures are provided

FINISH

- Universal Free-Stand Enclosure and End Plates are #4 Brushed finish
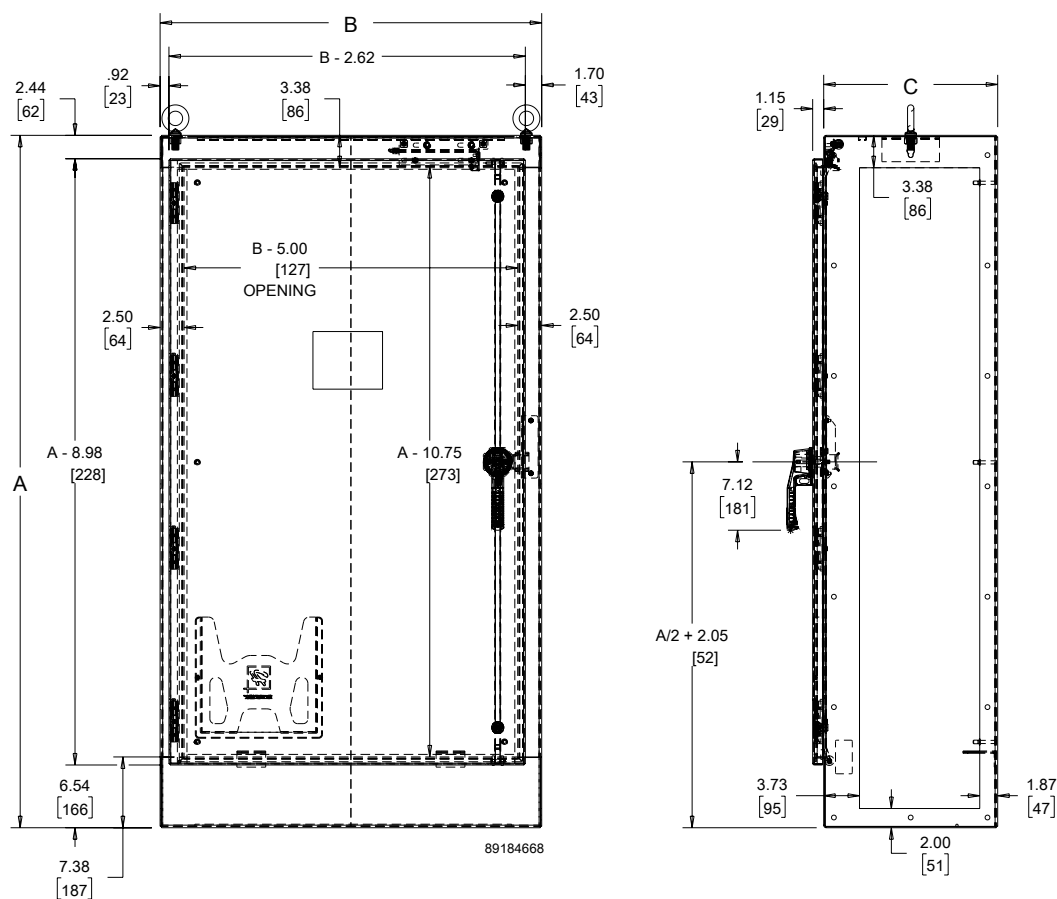- Panels (order separately) have white or conductive finish

NOTES

Sequestr solutions are compatible with Universal Free-Stand enclosures. Please see Sequestr spec sheets and installation instructions for more details.

Standard Product One-Door Universal Free-Stand Enclosures, Type 4X

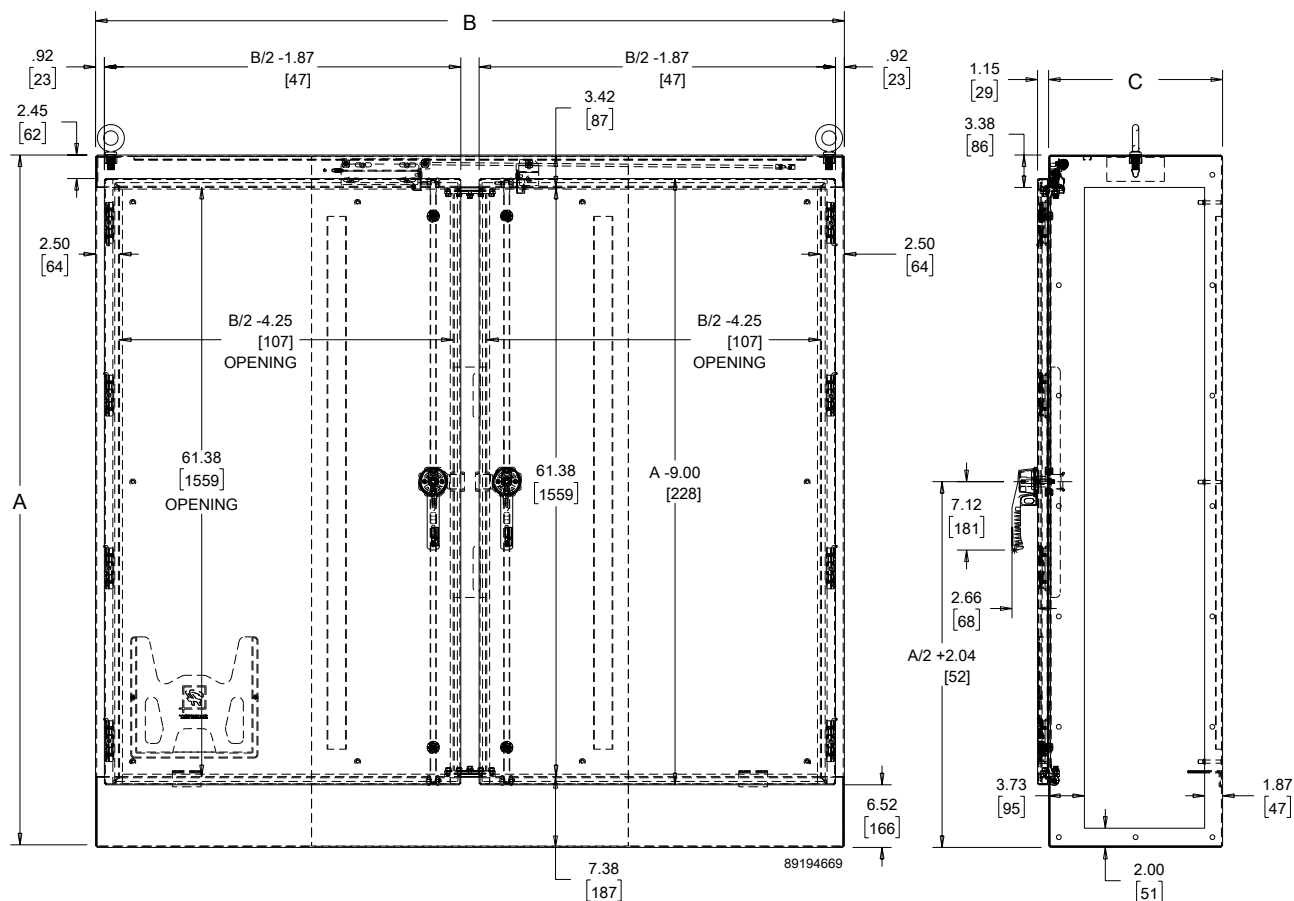| Catalog Number	AxBxC in./mm	Sides Open	Material	Panel, Painted	Panel, Conductive	Panel Size in./mm
AU72X4018BSSLP	72.13 x 39.76 x 18.11 1832 x 1010 x 460	Both	Stainless Steel 304	A72PM40	A72PM40G	60.00 x 33.75 1524 x 857
AU72X4018LSSLP	72.13 x 40.24 x 18.11 1832 x 1022 x 460	Left	Stainless Steel 304	A72PM40	A72PM40G	60.00 x 33.75 1524 x 857
AU72X4018RSSLP	72.13 x 39.76 x 18.11 1832 x 1010 x 460	Right	Stainless Steel 304	A72PM40	A72PM40G	60.00 x 33.75 1524 x 857
AU84X4018BSSLP	84.13 x 39.76 x 18.11 2137 x 1010 x 460	Both	Stainless Steel 304	A84PM40	A84PM40G	72.00 x 33.75 1829 x 857
AU84X4018LSSLP	84.13 x 40.24 x 18.11 2137 x 1022 x 460	Left	Stainless Steel 304	A84PM40	A84PM40G	72.00 x 33.75 1829 x 857
AU84X4018RSSLP	84.13 x 39.76 x 18.11 2137 x 1010 x 460	Right	Stainless Steel 304	A84PM40	A84PM40G	72.00 x 33.75 1829 x 857
AU84X4024BSSLP	84.13 x 39.76 x 24.13 2137 x 1010 x 613	Both	Stainless Steel 304	A84PM40	A84PM40G	72.00 x 33.75 1829 x 857
AU84X4024LSSLP	84.13 x 40.24 x 24.13 2137 x 1022 x 613	Left	Stainless Steel 304	A84PM40	A84PM40G	72.00 x 33.75 1829 x 857
AU84X4024RSSLP	84.13 x 39.76 x 24.13 2137 x 1010 x 613	Right	Stainless Steel 304	A84PM40	A84PM40G	72.00 x 33.75 1829 x 857

Order panels separately.

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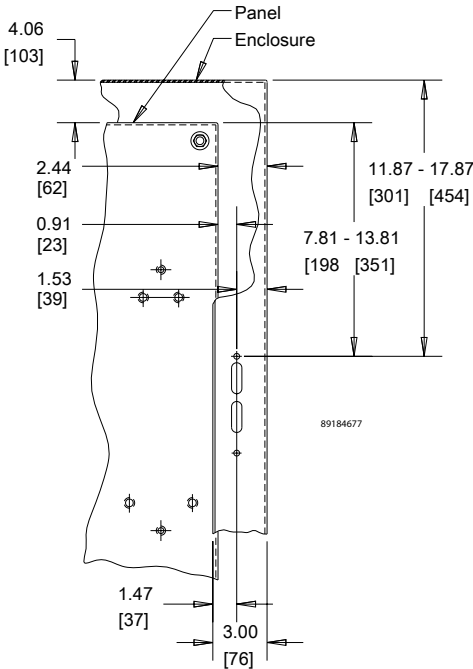Standard Product **Two-Door Universal Free-Stand Enclosures, Type 4X**

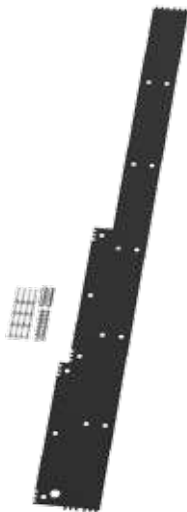| Catalog Number	AxBxC in./mm	Sides Open	Material	Panel, Painted	Panel, Conductive	Panel Size in./mm
AU72X7818BSSLP	72.13 x 77.99 x 18.11 1832 x 1981 x 460	Both	Stainless Steel 304	A72PM78	A72PM78G	60.00 x 72.00 1524 x 1829
AU72X7818LSSLP	72.13 x 78.50 x 18.11 1832 x 1994 x 460	Left	Stainless Steel 304	A72PM78	A72PM78G	60.00 x 72.00 1524 x 1829
AU72X7818RSSLP	72.13 x 77.99 x 18.11 1832 x 1981 x 460	Right	Stainless Steel 304	A72PM78	A72PM78G	60.00 x 72.00 1524 x 1829
AU84X7818BSSLP	84.13 x 77.99 x 18.11 2137 x 1981 x 460	Both	Stainless Steel 304	A84PM78	A84PM78G	72.00 x 72.00 1829 x 1829
AU84X7818LSSLP	84.13 x 78.50 x 18.11 2137 x 1994 x 460	Left	Stainless Steel 304	A84PM78	A84PM78G	72.00 x 72.00 1829 x 1829
AU84X7818RSSLP	84.13 x 77.99 x 18.11 2137 x 1981 x 460	Right	Stainless Steel 304	A84PM78	A84PM78G	72.00 x 72.00 1829 x 1829
AU84X7824BSSLP	84.13 x 77.99 x 24.13 2137 x 1981 x 613	Both	Stainless Steel 304	A84PM78	A84PM78G	72.00 x 72.00 1829 x 1829
AU84X7824LSSLP	84.13 x 78.50 x 24.13 2137 x 1994 x 613	Left	Stainless Steel 304	A84PM78	A84PM78G	72.00 x 72.00 1829 x 1829
AU84X7824RSSLP	84.13 x 77.99 x 24.13 2137 x 1981 x 613	Right	Stainless Steel 304	A84PM78	A84PM78G	72.00 x 72.00 1829 x 1829

Order panels separately.

DISCONNECT CUTOUT DIMENSIONS

The universal Free-Stand left side open models have a preferred cutout with the following critical dimensions. Consult disconnect manufactures instruction manual for proper device installation.

UNIVERSAL FREE-STAND GASKET BAYING KIT

Gasket Baying Kit is used to bay multiple Universal Free-Stand Enclosures together and is rated 4, 4X, 12, 3R and IP66. Includes gasket and baying hardware.

Standard Product

Catalog Number	Height in./mm	Width in./mm	Depth in./mm
AU7218FGK	72.13 1832	18.11 460	.13 3
AU8418FGK	84.13 2137	18.11 460	.13 3
AU8424FGK	84.13 2137	24.13 613	.13 3

UNIVERSAL FREE-STAND FORMED END PLATE, STAINLESS STEEL

End plate is used to seal open side(s) of Universal Free-stand Enclosures. The 2.50-inch deep End Plate allows extra wiring space and is Type 4X, 4, 12, 3R and IP66 rated. Gasket and mounting bolts are included.

Standard Product

Catalog Number	Material	Height in./mm	Width in./mm	Depth in./mm
AU7218EPTSS	Stainless Steel 304	72.13 1832	18.11 460	2.50 64
AU8418EPTSS	Stainless Steel 304	84.13 2137	18.11 460	2.50 64
AU8424EPTSS	Stainless Steel 304	84.13 2137	24.13 613	2.50 64

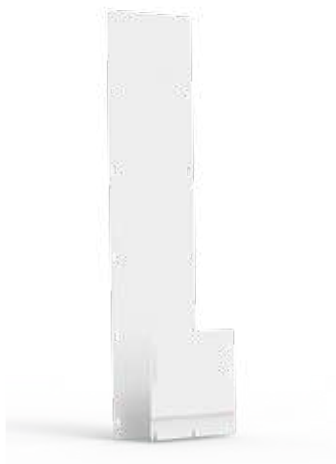## UNIVERSAL FREE-STAND FLAT END PLATE, STAINLESS STEEL

Flat End plate is used to seal open side(s) of Universal Free-Stand Enclosures. The Flat End Plate provides a low profile cover and is Type 4X, 4, 12, 3R, and IP66 rated. Studs welded to the end plate eliminate bolt holes. Gasket and mounting hardware are furnished.

Standard Product

Catalog Number	Material	Height in./mm	Width in./mm
AU7218FEPSS	Stainless Steel 304	72.13 1832	18.11 460
AU8418FEPSS	Stainless Steel 304	84.13 2137	18.11 460
AU8424FEPSS	Stainless Steel 304	84.13 2137	24.13 613

UNIVERSAL FREE-STAND BARRIER PANEL

Barrier Panel is used to provide a Type 1 rated barrier between individual Universal Free-Stand Enclosures. Two-piece design mounts on the inside of the enclosure reducing a leak point, installation time and complexity. No additional hardware is required to install barrier once enclosures are bayed together.

Standard Product

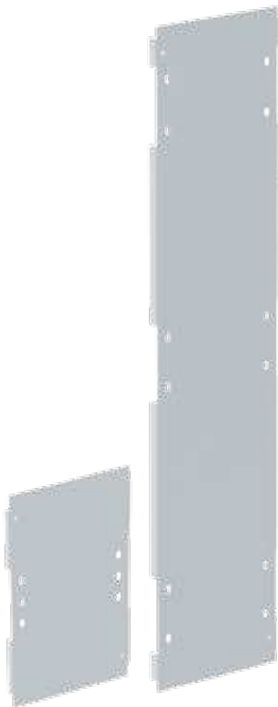| Catalog Number	Material	Color	Height in./mm	Width in./mm
AU7218BP	Mild Steel	White	72.01 1829	17.64 448
AU8418BP	Mild Steel	White	84.02 2134	17.64 448
AU8424BP	Mild Steel	White	84.02 2134	23.62 600

UNIVERSAL FREE-STAND SLIDING FALSE FLOOR

The Sliding False Floor is used to provide a Type 1 rated barrier between the bottom of the Universal Free-Stand Enclosure and the panel area.

Standard Product

Catalog Number	Material	Color	Height in./mm	Width in./mm	Depth in./mm
AU4018SFF	Mild Steel	ANSI 61 Gray	5.98 152	39.45 1002	17.52 445
AU4024SFF	Mild Steel	ANSI 61 Gray	5.98 152	39.45 1002	23.50 597

UNIVERSAL FREE-STAND SIDE PANEL

Side Panels can be added to any two-bayed surfaces for additional panel space without affecting the type rating.

Standard Product **Small Side Panels**

Catalog Number	Material	Finish	Color	Height in./mm	Width in./mm	Depth in./mm
AU2418SP	Mild Steel	Painted	White	22.52 572	14.02 356	0.84 21
AU2418SPG	Mild Steel	Galvanized	Unpainted	22.52 572	14.02 356	0.84 21
AU2424SP	Mild Steel	Painted	White	22.52 572	20.00 508	0.84 21
AU2424SPG	Mild Steel	Galvanized	Unpainted	22.52 572	20.00 508	0.84 21

Standard Product **Full Side Panels**

Catalog Number	Material	Finish	Color	Height in./mm	Width in./mm	Depth in./mm
AU7218SP	Mild Steel	Painted	White	60.00 1524	14.02 356	0.84 21
AU7218SPG	Mild Steel	Galvanized	Unpainted	60.00 1524	14.02 356	0.84 21
AU8418SP	Mild Steel	Painted	White	72.01 1829	14.02 356	0.84 21
AU8418SPG	Mild Steel	Galvanized	Unpainted	72.01 1829	14.02 356	0.84 21
AU8424SP	Mild Steel	Painted	White	72.01 1829	20.00 508	0.84 21
AU8424SPG	Mild Steel	Galvanized	Unpainted	72.01 1829	20.00 508	0.84 21

UNIVERSAL FREE-STAND FILLER PANEL

Filler panels are installed between two-bayed panels to provide a flush surface to run conduit and mount components.

Standard Product

Catalog Number	Material	Finish	Color	Height in./mm	Width Bracket in./mm	Width Filler Panel in./mm	Depth in./mm
AU72FP	Mild Steel	Painted	White	60.00 1524	10.50 267	5.57 141	0.84 21
AU72FPG	Mild Steel	Galvanized	Unpainted	60.00 1524	10.50 267	5.57 141	0.84 21
AU84FP	Mild Steel	Painted	White	72.01 1829	10.50 267	5.57 141	0.84 21
AU84FPG	Mild Steel	Galvanized	Unpainted	72.01 1829	10.50 267	5.57 141	0.84 21

UNIVERSAL FREE-STAND PANEL GLIDER

Panel Gliders are used to provide a smooth surface from the front lip of the enclosure to the back panel support. Gliders assist and improve panel installation process. They are intended to be used reusable tools to aid in the installation of panels and removed from enclosure after panel installation.

Standard Product

Catalog Number	Height in./mm	Width in./mm	Depth in./mm
AU18PGR	17.00 432	3.37 86	1.03 26
AU24PGR	23.00 584	3.37 86	1.03 26

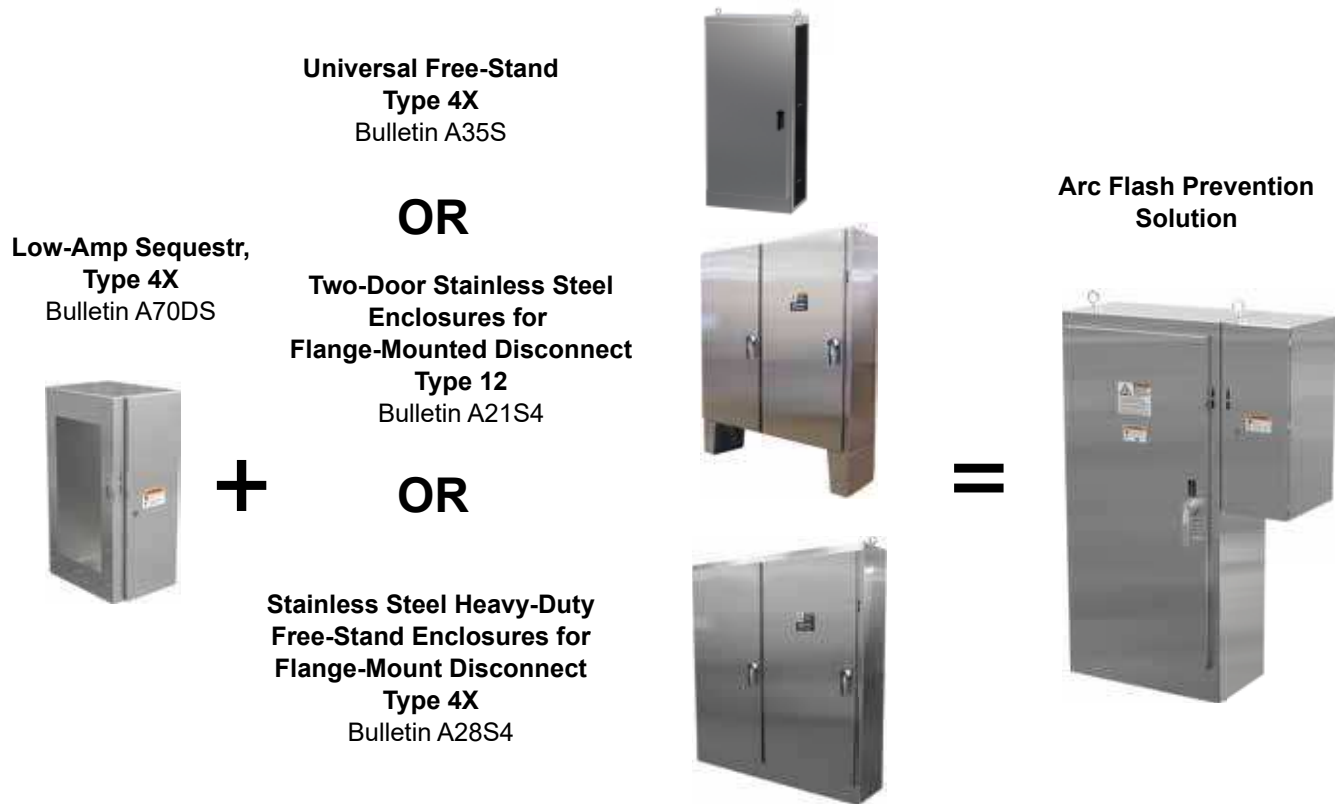# UNIVERSAL FREE-STAND OPERATOR RELEASE MECHANISM

The Operator Release Mechanism provides a connection between the primary door handle orientation and the disconnect device. If the primary door handle is turned to the open position, the disconnect cannot be turned on. Must be used with an Operator Adapter for Preferred Cutouts (sold separately).

Standard Product

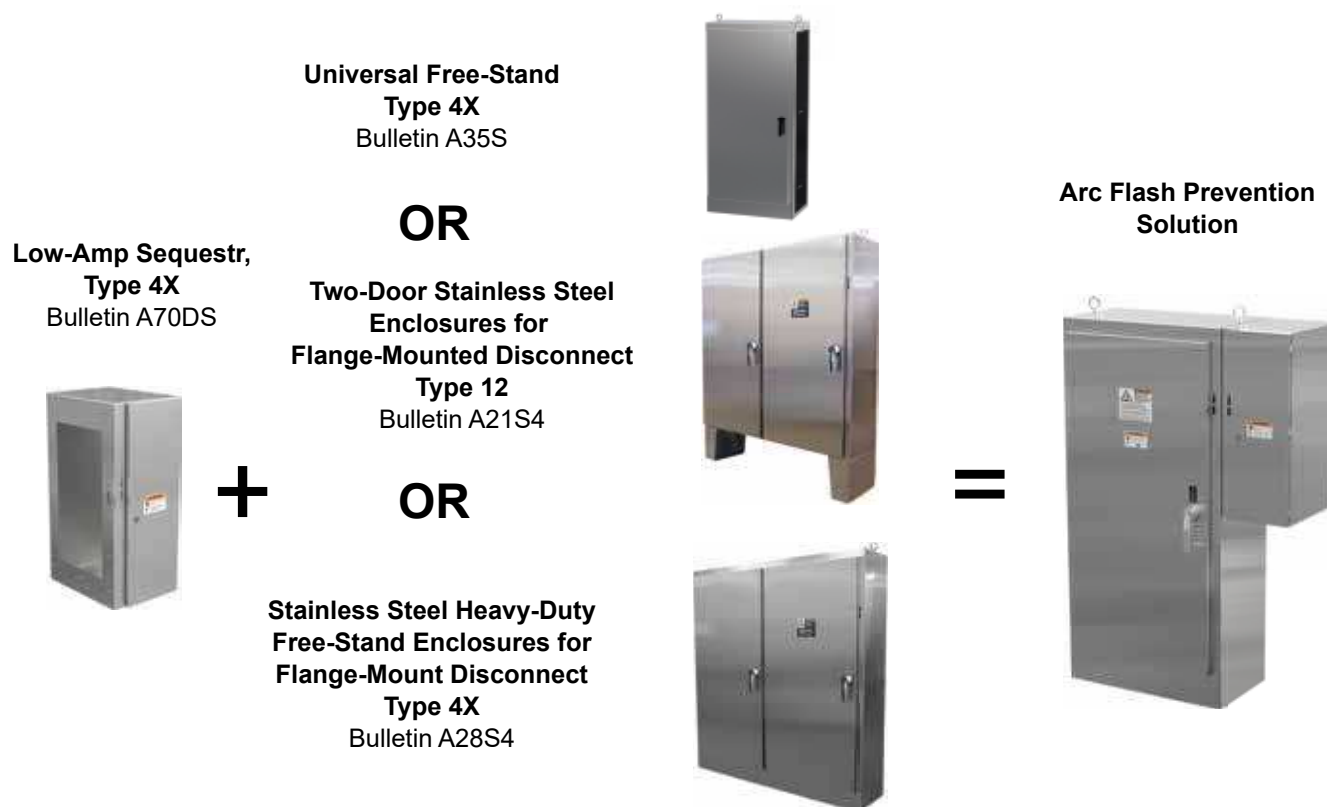| Catalog Number	Height in./mm	Width in./mm
AUORMK	9.88 251	1.61 41

STAINLESS STEEL HIGH-AMP SEQUESTR COMBINATIONS

Pair the High-Amp Sequestr with these free-stand or floor-mount enclosures to create your desired arc flash prevention solution.

**Universal Free-Stand
Type 4X**
Bulletin A35S

**Low-Amp Sequestr,
Type 4X**
Bulletin A70DS

OR

**Two-Door Stainless Steel
Enclosures for
Flange-Mounted Disconnect
Type 12**
Bulletin A21S4

+

OR

**Stainless Steel Heavy-Duty
Free-Stand Enclosures for
Flange-Mount Disconnect
Type 4X**
Bulletin A28S4

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**Arc Flash Prevention
Solution**

STAINLESS STEEL LOW-AMP SEQUESTR COMBINATIONS

Pair the Low-Amp Sequestr with these free-stand or floor-mount enclosures to create your desired arc flash prevention solution.

**Universal Free-Stand
Type 4X**
Bulletin A35S

OR

**Low-Amp Sequestr,
Type 4X**
Bulletin A70DS

**Two-Door Stainless Steel
Enclosures for
Flange-Mounted Disconnect
Type 12**
Bulletin A21S4

**Arc Flash Prevention
Solution**

+

OR

=

**Stainless Steel Heavy-Duty
Free-Stand Enclosures for
Flange-Mount Disconnect
Type 4X**
Bulletin A28S4

Notes