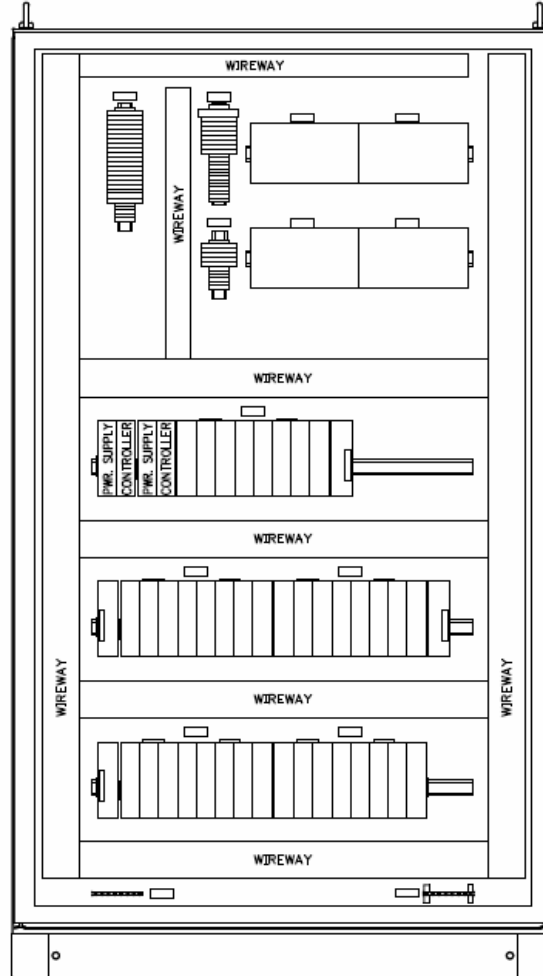




Free Standing DeltaV™ Double Door Cabinet



- Minimized design costs
- Decreased delivery time
- Decreased material and labor costs through standardized approach
- Decreased quotation time

Introduction

DeltaV cabinets are designed to be a flexible addition to any system and, when combined with Emerson Process Management's Engineering Services, can be customized to meet client- or project-specific requirements.

Using a standardized approach, Emerson can deliver a flexible package to minimize design costs and decrease cabinet delivery time.



Features

- 79"Hx48"Wx24"D free standing front access double door NEMA 12 enclosure
- General purpose areas
- PVC wire ducts. wire hoops for field cables
- Front only or front and rear access, top or bottom entry
- Simplex or redundant controller/power supply design
- For up to 4, two-wide carriers, simplex or redundant dependent (for system power supplies and controllers)
- For up to 12, eight-wide carriers (up to 96 DeltaV cards)
- Simplex/redundant DC/DC system power supplies, fed from 12VDC bulk power supplies
- Simplex/redundant bulk AC - 24VDC power supplies
- Simplex/redundant bulk AC - 12VDC power supplies
- Incoming AC power breaker and terminal blocks
- 24VDC fuses and terminal blocks
- Individual power fuse for each carrier power connection
- Isolated ground bar
- Power wired to power supplies and carriers
- Designed to North American specifications
- Cabinet flexibility
- Minimized engineering and design costs
- Decreased delivery time
- Standard non-lockable door latches



Additional Services

- Availability of Emerson Engineering Services for customization:
 - Nameplates
 - Marshalling
 - Autocon testing of I/O
 - Pharmaceutical validation
 - I/O Card installation
 - Adaptation to environmental conditions

For more information regarding available Emerson Engineering Services, refer to the service data sheet.



Product Description

The following tables describe the Free Standing DeltaV Double Door Cabinet:

Enclosure Description	
ITEM	DESCRIPTION
Cabinet	Dual Door, Free Standing, NEMA 12 Enclosure, 79"Hx48"Wx24"D, Full Mount Sub-Panel, Front Access, 2 Side Walls, and Plinth Base
Material	Body: 16 gauge carbon steel body Door: 14 gauge carbon steel door
Finish color	Enclosure / Door: E-coat primer and powder painted
	Outside: RAL 7035 light grey
Sub panel	Galvanized

Items Supplied with Cabinet
DESCRIPTION
Ground Bar (15) #14 - #4 & (1) #1/0 - #4/0 Lugs.
Insulator Kit for Ground Bar
DIN Mounting Rails, Perforated
Terminal Strip End Brackets
Insertion Bridge (Jumper Bars)
Fuse Terminal Blocks, 600V, 25 AMP
Terminals, 1-Pole, 600V, 41 AMP
Ground Terminals, 1-Pole, 600V
Terminal End Covers
Circuit Breakers, 20 AMP, 1-Pole
Fuses, 1 AMP
Fuses, 5 AMP
Fuses, 10 AMP
PVC Wire Duct, White, 2"W x 4"H W/Cover
PVC Wire Duct, White, 3"W x 4"H W/Cover.



DeltaV Components Provided to Fabricator by Local Sales Office	
DESCRIPTION	QTY
2-Wide Power / Controller Carrier (VE3051C0)	2
System Power Supply (DC/DC) (VE5008)	2
8-Wide I/O Interface Carrier with Shield Bar (VE4050S2K1C0)	1 to 3
8-Wide I/O Interface Carrier with Shield Bar and Ext. Cable (VE4050S2K1C1)	1 or 2
Power Supply, bulk AC to 24 VDC. (VE5011)	2
Power Supply, bulk AC to 12 VDC. (VE5012)	2

Drawings Provided with Panel:

Drawing Description
DeltaV Cabinet Layout with Bill of Materials
DeltaV Cabinet 120VAC Power Distribution
DeltaV Cabinet 12VDC Power Distribution Simplex/Redundant Power Supplies
DeltaV Cabinet 24VDC Power Distribution Simplex/Redundant Power Supplies
DeltaV Panel Power and Grounding



Ordering Information

ITEM	DESCRIPTION
PNL794824-2R	2 Carrier Panel (Up to 16 Cards) Redundant, Front Only
PNL794824-2RL	2 Carrier Panel (Up to 16 Cards) Redundant, Front Only, w/Panel Light
PNL794824-2RF	2 Carrier Panel (Up to 16 Cards) Redundant, Front Only, w/Panel Fan
PNL794824-2RLF	2 Carrier Panel (Up to 16 Cards) Redundant, Front Only, w/Panel Light and Fan
PNL794824-3R	3 Carrier Panel (Up to 24 Cards) Redundant, Front Only
PNL794824-3RL	3 Carrier Panel (Up to 24 Cards) Redundant, Front Only, w/Panel Light
PNL794824-3RF	3 Carrier Panel (Up to 24 Cards) Redundant, Front Only, w/Panel Fan
PNL794824-3RLF	3 Carrier Panel (Up to 24 Cards) Redundant, Front Only, w/Panel Light and Fan
PNL794824-4R	4 Carrier Panel (Up to 32 Cards) Redundant, Front Only
PNL794824-4RL	4 Carrier Panel (Up to 32 Cards) Redundant, Front Only, w/Panel Light
PNL794824-4RF	4 Carrier Panel (Up to 32 Cards) Redundant, Front Only, w/Panel Fan
PNL794824-4RLF	4 Carrier Panel (Up to 32 Cards) Redundant, Front Only, w/Panel Light and Fan
PNL794824-5R	5 Carrier Panel (Up to 40 Cards) Redundant, Front Only
PNL794824-5RL	5 Carrier Panel (Up to 40 Cards) Redundant, Front Only, w/Panel Light
PNL794824-5RF	5 Carrier Panel (Up to 40 Cards) Redundant, Front Only, w/Panel Fan
PNL794824-5RLF	5 Carrier Panel (Up to 40 Cards) Redundant, Front Only, w/Panel Fan and Light
PNL794824-6RD	6 Carrier Panel (Up to 48 Cards) Redundant, Dual Access
PNL794824-6RDF	6 Carrier Panel (Up to 48 Cards) Redundant, Dual Access, w/Panel Fan
PNL794824-6RDL	6 Carrier Panel (Up to 48 Cards) Redundant, Dual Access, w/Panel Light
PNL794824-6RDLF	6 Carrier Panel (Up to 48 Cards) Redundant, Dual Access, w/Panel Light and Fan
PNL794824-7RD	7 Carrier Panel (Up to 56 Cards) Redundant, Dual Access
PNL794824-7RDL	7 Carrier Panel (Up to 56 Cards) Redundant, Dual Access, w/Panel Light
PNL794824-7RDF	7 Carrier Panel (Up to 56 Cards) Redundant, Dual Access, w/Panel Fan
PNL794824-7RDLF	7 Carrier Panel (Up to 56 Cards) Redundant, Dual Access, w/Panel Light and Fan
PNL794824-8RD	8 Carrier Panel (Up to 56 Cards) Redundant, Dual Access
PNL794824-8RDL	8 Carrier Panel (Up to 56 Cards) Redundant, Dual Access, w/Panel Light



ITEM	DESCRIPTION
PNL794824-8RDF	8 Carrier Panel (Up to 56 Cards) Redundant, Dual Access, w/Panel Fan
PNL794824-8RDLF	8 Carrier Panel (Up to 56 Cards) Redundant, Dual Access, w/Panel Light and Fan
PNL794824-9RD	9 Carrier Panel (Up to 56 Cards) Redundant, Dual Access
PNL794824-9RD L	9 Carrier Panel (Up to 56 Cards) Redundant, Dual Access, w/Panel Light
PNL794824-9RDF	9 Carrier Panel (Up to 56 Cards) Redundant, Dual Access, w/Panel Fan
PNL794824-9RD L F	9 Carrier Panel (Up to 56 Cards) Redundant, Dual Access, w/Panel Light and Fan
PNL794824-10RD	10 Carrier Panel (Up to 56 Cards) Redundant, Dual Access
PNL794824-10RD L	10 Carrier Panel (Up to 56 Cards) Redundant, Dual Access, w/Panel Light
PNL794824-10RDF	10 Carrier Panel (Up to 56 Cards) Redundant, Dual Access, w/Panel Fan
PNL794824-10RD L F	10 Carrier Panel (Up to 56 Cards) Redundant, Dual Access, w/Panel Light and Fan
PNL794824-11RD	11 Carrier Panel (Up to 56 Cards) Redundant, Dual Access
PNL794824-11RD L	11 Carrier Panel (Up to 56 Cards) Redundant, Dual Access, w/Panel Light
PNL794824-11RDF	11 Carrier Panel (Up to 56 Cards) Redundant, Dual Access, w/Panel Fan
PNL794824-11RD L F	11 Carrier Panel (Up to 56 Cards) Redundant, Dual Access, w/Panel Light and Fan
PNL794824-12RD	12 Carrier Panel (Up to 56 Cards) Redundant, Dual Access
PNL794824-12RD L	12 Carrier Panel (Up to 56 Cards) Redundant, Dual Access, w/Panel Light
PNL794824-12RDF	12 Carrier Panel (Up to 56 Cards) Redundant, Dual Access, w/Panel Fan
PNL794824-12RD L F	12 Carrier Panel (Up to 56 Cards) Redundant, Dual Access, w/Panel Light and Fan

Model Numbers

PNL794824-abcd

12 = panel height, 34 = panel width, 56 = panel depth

a = # of 8-wide carriers

b = simplex(S) or redundant(R). All panel models above are laid out for redundant controllers and power supplies. All redundant panel designs can be provided as simplex by changing the R to S in the model number: The panel will not be redesigned, but the simplex panel has space for redundancy left empty.

c = dual entry(D), bottom(B) or top(T) Entry

d = light(L), fan(F)



Options

Refer to the DeltaV Cabinet Customization services data sheet for additional services.

Contact Information

To locate a sales office near you, visit our website at: www.EasyDeltaV.com/reach or if you have questions regarding cabinetry or additional services, e-mail us at Panels@EmersonProcess.com

For further information, contact Emerson Process Management at 314-872-8623.

To locate a sales office near you, visit our website at: www.EasyDeltaV.com/reach

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