

Sub-Assemblies

Installation Guide

for Models:

ACM4	Access Power Controller, 4 Fused Relay Outputs
ACM4CB	Access Power Controller, 4 PTC Relay Outputs
ACM8	Access Power Controller, 8 Fused Relay Outputs
ACM8CB	Access Power Controller, 8 PTC Relay Outputs
MOM5	Distribution Module, 5 PTC Class 2 Outputs
PD4UL	Power Distribution Module, 4 Fused Outputs
PD4ULCB	Power Distribution Module, 4 PTC Outputs
PD8UL	Power Distribution Module, 8 Fused Outputs
PD8ULCB	Power Distribution Module, 8 PTCd Outputs
PD16W	Power Distribution Module, 16 Fused Outputs
PD16WCB	Power Distribution Module, 16 PTC Outputs
PDS8	Dual Input Power Distribution Module, 8 Fused Outputs
PDS8CB	Dual Input Power Distribution Module, 8 PTC Outputs
ACMS8	Dual Input Access Power Controller, 8 Fused Outputs
ACMS8CB	Dual Input Access Power Controller, 8 PTC Outputs
VR6	Voltage Regulator. 24VDC input into 5VDC or 12VDC output
LINQ2	Network Communication Module
LINQ8PD*	Networkable Power Distribution Module, 8 Fused Outputs
LINQ8PDCB*	Networkable Power Distribution Module, 8 PTC Outputs
LINQ8ACM	Network Access Power Controller, 8 Fused Outputs
LINQ8ACMCB	Network Access Power Controller, 8 PTC Outputs

*not evaluated by UL

SECURITY SECURITY SIGNALING



Rev. MS020119

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Overview:

Altronix manufactures a wide variety of sub-assemblies suitable for many tasks in fire alarm, access control, network communications, surveillance, and other security applications.

Installation Instructions:

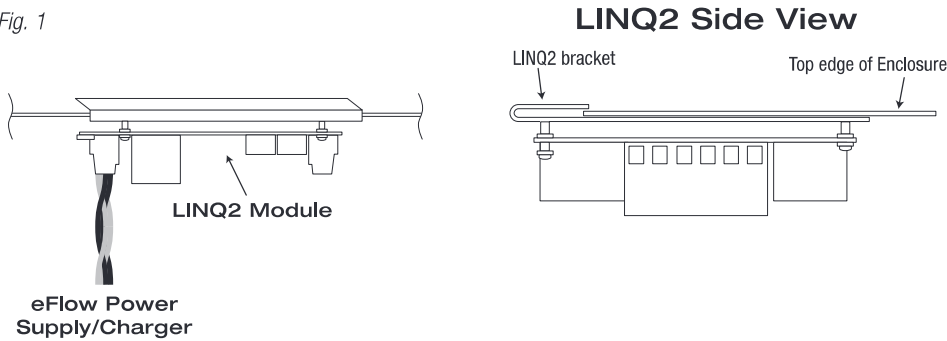
Wiring methods shall be in accordance with the National Electrical Code/NFPA 70/NFPA 72/ANSI, and with all local codes and authorities having jurisdiction. Product is intended for indoor use only and should be installed by qualified personnel.

Refer to individual Sub-Assembly Installation Guides for mounting and connecting specific boards.

Installing LINQ2 Board:

1. Using the mounting bracket mount the LINQ2 network module to the desired location on the enclosure.
Secure the module by tightening the longer screw on the front edge of the mounting bracket (*Fig. 1, pg. 2*).
2. Connect one end of the supplied interface cable(s) to the ports marked [Power Supply 1] and [Power Supply 2] on LINQ2 (*Fig. 1, pg. 2*). When connecting to one power supply use the connector marked [Power Supply 1].
3. Connect the other end of the interface cable to the interface port of each eFlow power supply board.
4. Connect Ethernet cable (CAT5e or higher) to the RJ45 jack on the LINQ2 network module.
For access control and fire alarm signalling applications the cable connection has to terminate in the same room.
Refer to the LINQ2 Installation Manual.

Fig. 1



Installation Instructions for Trove1:

1. Fasten spacers onto metal pems configuration (A) or configuration (B) of enclosure depending on the sub-assembly module (*Fig. 2, pg. 3*).
2. Position sub-assembly module over corresponding spacers and secure module into enclosure with four (4) pan head screws supplied (*Fig. 2a, pg. 3*).
3. Refer to the Trove1 Installation Guides and individual Sub-Assembly Installation Guides for the following models: ACM4(CB), LINQ2, LINQ8PD(CB), MOM5, PD4UL(CB), PD8UL(CB), PD16W(CB), PDS8(CB), ACMS8(CB), LINQ8ACM(CB), VR6 for further installation instructions.

Sub-Assembly Position Chart for the Following Models:

Sub-Assembly Module	Mounting Position	Mounting
ACM8(CB)	Top Left	(A)*
ACMS8(CB)		
LINQ8ACM(CB)		
LINQ2**	Top Edge	(C)
LINQ8PD(CB)	Bottom Left	(B)
ACM4(CB)		
MOM5		
PD4UL(CB)		
PD8UL(CB)		
PD16W(CB)		
PDS8(CB)		
VR6		

* Position (A) is usually reserved for Altronix power supplies, but can also be used for sub-assemblies (*Fig. 2*).

** LINQ2 can be installed when utilizing eFlow power supply/charger boards.

Fig. 2

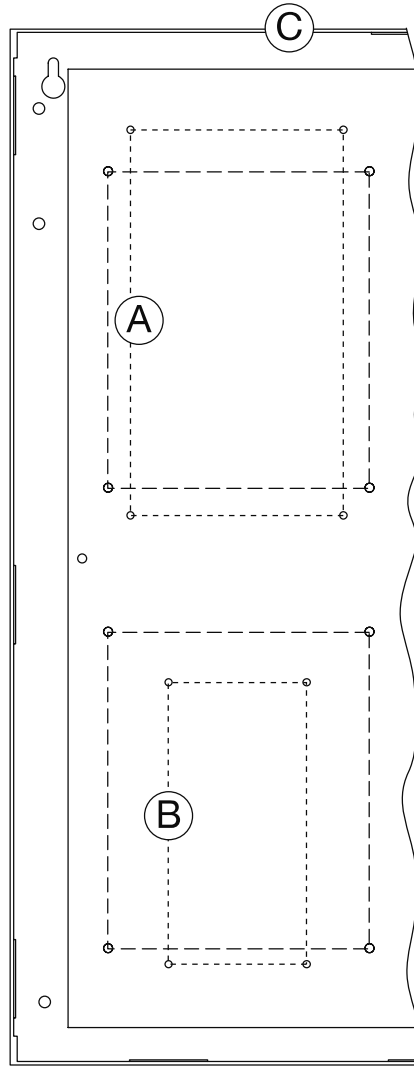
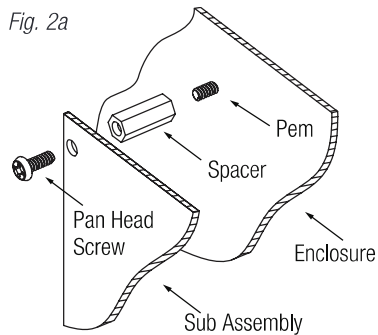


Fig. 2a



NEC Power-Limited Wiring Requirements:

Power-limited and non power-limited circuit wiring must remain separated in the enclosure. All power-limited circuit wiring must remain at least 0.25" away from any non power-limited circuit wiring. Furthermore, all power-limited circuit wiring and non power-limited circuit wiring must enter and exit the enclosure through different conduits. One such example of this is shown below. Your specific application may require different conduit knockouts to be used. Any conduit knockouts may be used. For power-limited applications use of conduit is optional. All field wiring connections must be made employing suitable gauge CM or FPL jacketed wire (or equivalent substitute).

Note: Refer to wire handling drawing below for the proper way to install the CM or FPL jacketed wire (Fig. 3a, pg. 4).

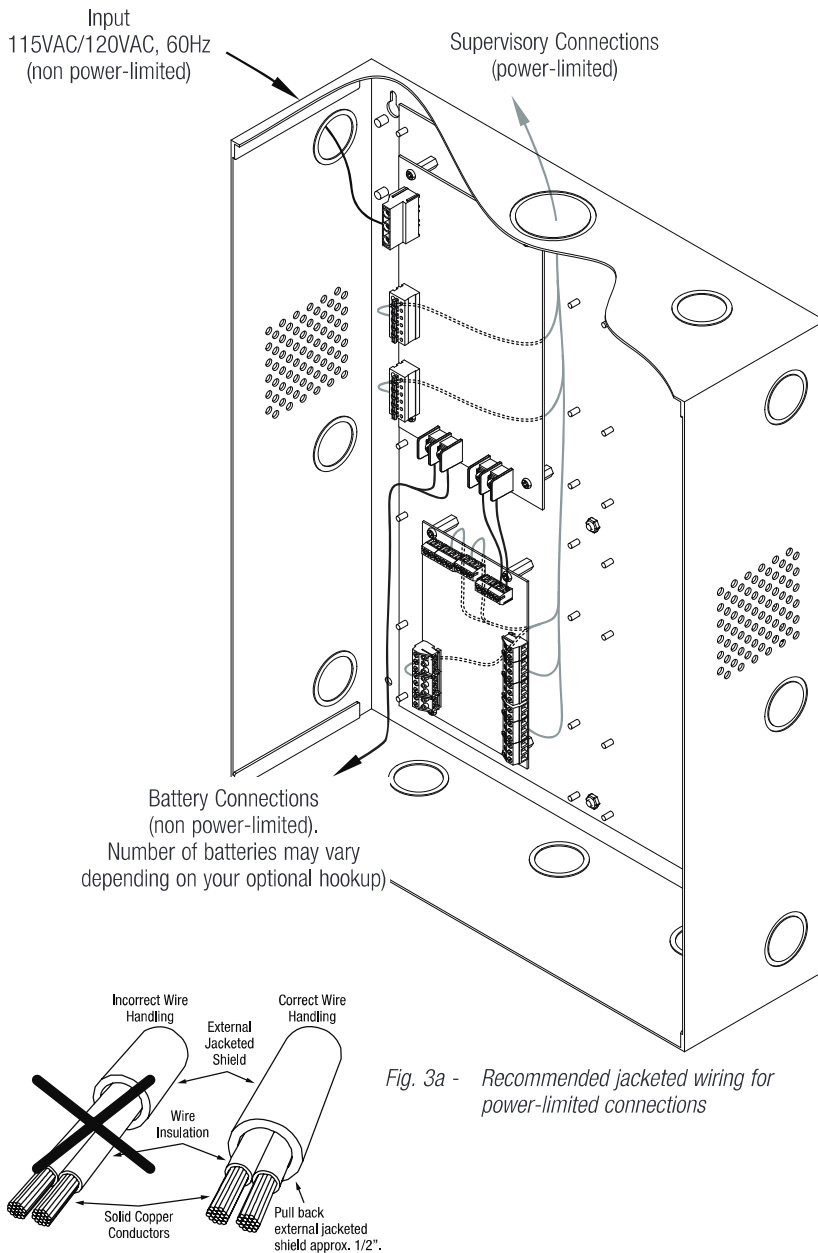


Fig. 3

Installation Instructions for Trove2:

1. Fasten spacers onto metal pems configuration (A) or configuration (B) of enclosure depending on the sub-assembly module (*Fig. 4, pg. 5*).
2. Position sub-assembly module over corresponding spacers and secure module into enclosure with four (4) pan head screws supplied (*Fig. 4a, pg. 5*).
3. Refer to the Trove2 Installation Guides and individual Sub-Assembly Installation Guides for the following models: ACM4(CB), LINQ2, LINQ8PD(CB), MOM5, PD4UL(CB), PD8UL(CB), PD16W(CB), PDS8(CB), ACMS8(CB), LINQ8ACM(CB), VR6 for further installation instructions.

Sub-Assembly Position Chart for the Following Models:

Sub-Assembly Module	Mounting Position	Mounting
ACM8(CB)	First, Second, Third & Fourth on Left	(A)*
ACMS8(CB)		
LINQ8ACM(CB)		
LINQ2**	Top Edge	(C)
LINQ8PD(CB)	Second, Third & Fourth on Left	(B)
ACM4(CB)		
MOM5		
PD4UL(CB)		
PD8UL(CB)		
PD16W(CB)		
PDS8(CB)		
VR6		

* Top left position (A) is usually reserved for Altronix power supplies, but can also be used for sub-assemblies (*Fig. 4*).

** LINQ2 can be installed when utilizing eFlow power supply/charger boards.

Note: TM2 (Mercury/Lenel) and TV2 (HID/VertX) Trove2 backplane models allow for additional sub-assembly mounting positions on the right side.

Fig. 4

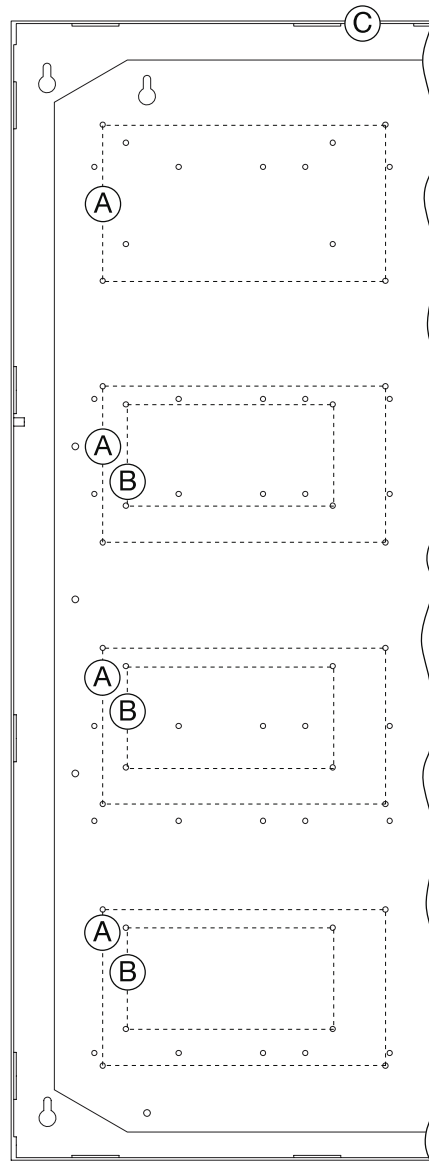
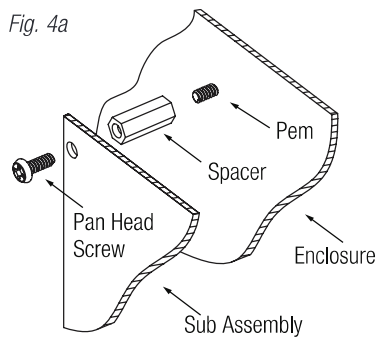


Fig. 4a



NEC Power-Limited Wiring Requirements:

Power-limited and non power-limited circuit wiring must remain separated in the enclosure. All power-limited circuit wiring must remain at least 0.25" away from any non power-limited circuit wiring. Furthermore, all power-limited circuit wiring and non power-limited circuit wiring must enter and exit the enclosure through different conduits. One such example of this is shown below. Your specific application may require different conduit knockouts to be used. Any conduit knockouts may be used. For power-limited applications use of conduit is optional. All field wiring connections must be made employing suitable gauge CM or FPL jacketed wire (or equivalent substitute).

Note: Refer to wire handling drawing below for the proper way to install the CM or FPL jacketed wire (Fig. 5a, pg. 6).

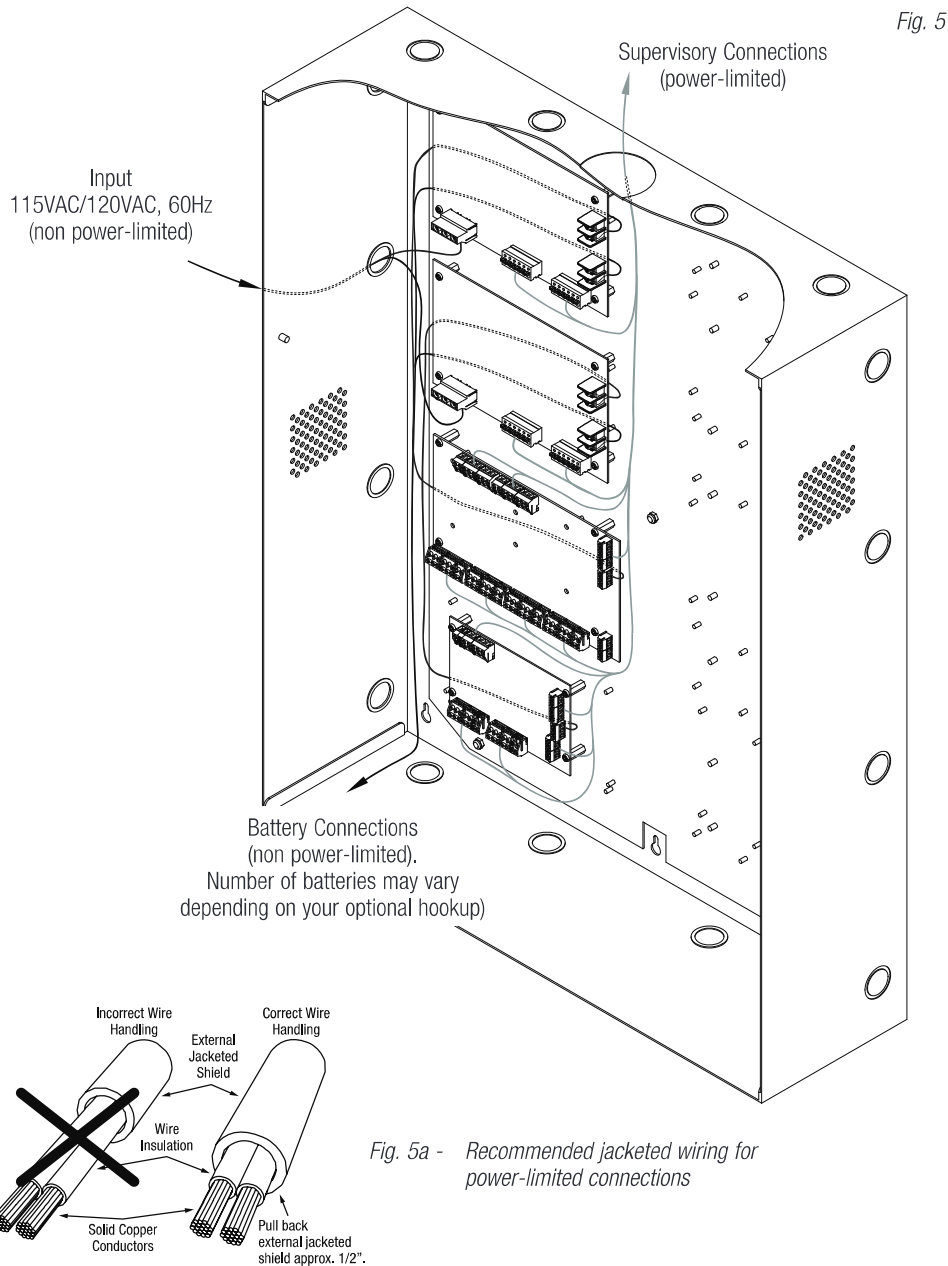


Fig. 5a - Recommended jacketed wiring for power-limited connections

Installation Instructions for Trove2CV2 (TCV2):

1. Fasten spacers onto metal pems configuration (A) or configuration (B) of enclosure depending on the sub-assembly module (*Fig. 6, pg. 7*).
2. Position sub-assembly module over corresponding spacers and secure module into enclosure with four (4) pan head screws supplied (*Fig. 6a, pg. 7*).
3. Refer to the Trove2 Installation Guides and individual Sub-Assembly Installation Guides for the following models: ACM4(CB), LINQ2, LINQ8PD(CB), MOM5, PD4UL(CB), PD8UL(CB), PD16W(CB), PDS8(CB), ACMS8(CB), LINQ8ACM(CB), VR6 for further installation instructions.

Sub-Assembly Position Chart for the Following Models:

Sub-Assembly Module	Mounting Position	Mounting
ACM8(CB)	First, Second & Third on Left	(A)*
ACMS8(CB)		
LINQ8ACM(CB)		
LINQ2**	Top Edge	(C)
LINQ8PD(CB)	Two (2) Vertical Slots Third on Left	(B)
ACM4(CB)		
MOM5		
PD4UL(CB)		
PD8UL(CB)		
PD16W(CB)		
PDS8(CB)		
VR6		

* Top left position (A) is usually reserved for Altronix power supplies, but can also be used for sub-assemblies (*Fig. 6*).

** LINQ2 can be installed when utilizing eFlow power supply/charger boards.

Fig. 6

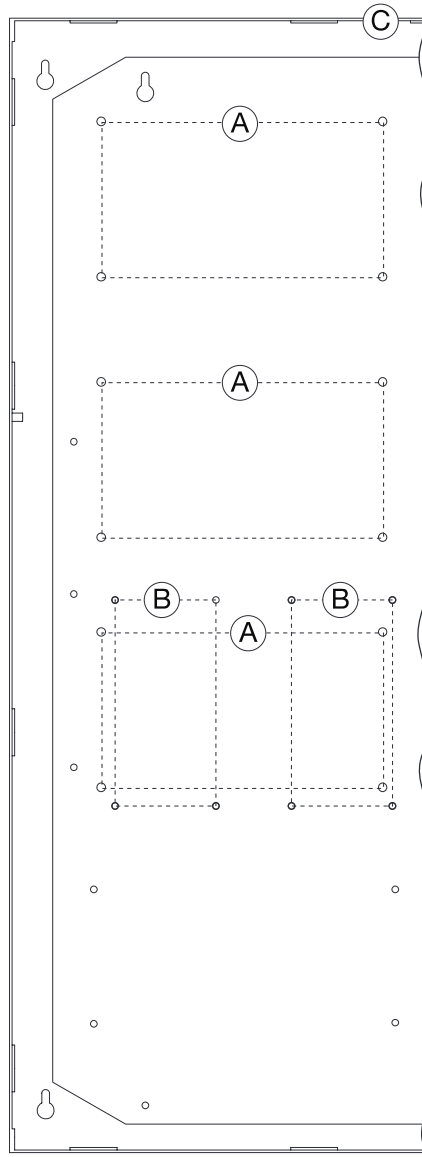
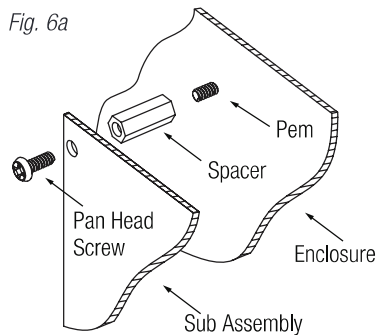


Fig. 6a



NEC Power-Limited Wiring Requirements:

Power-limited and non power-limited circuit wiring must remain separated in the enclosure. All power-limited circuit wiring must remain at least 0.25" away from any non power-limited circuit wiring. Furthermore, all power-limited circuit wiring and non power-limited circuit wiring must enter and exit the enclosure through different conduits. One such example of this is shown below. Your specific application may require different conduit knockouts to be used. Any conduit knockouts may be used. For power-limited applications use of conduit is optional. All field wiring connections must be made employing suitable gauge CM or FPL jacketed wire (or equivalent substitute).

Note: Refer to wire handling drawing below for the proper way to install the CM or FPL jacketed wire (Fig. 7a, pg. 8).

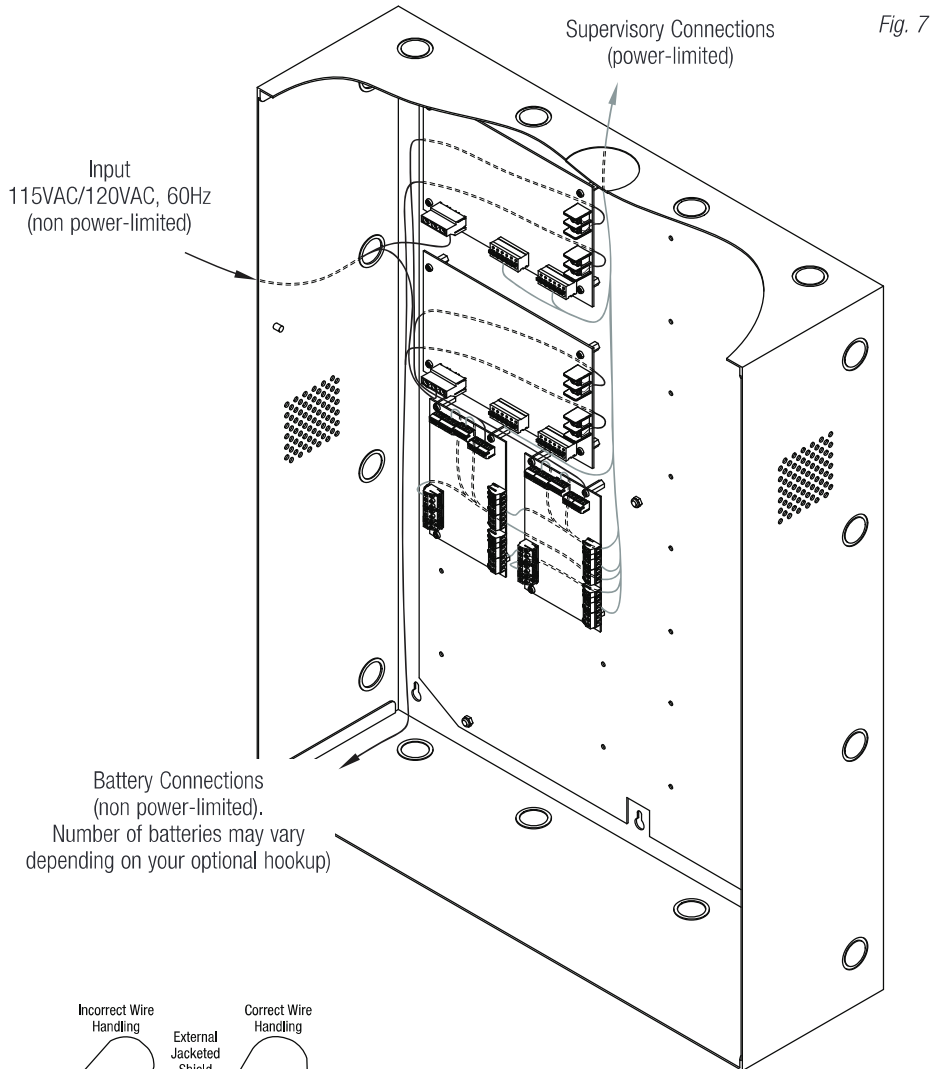


Fig. 7

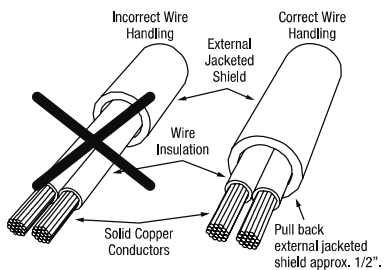


Fig. 7a - Recommended jacketed wiring for power-limited connections

Installation Instructions for Maximal (BC800 Enclosure):

1. Fasten spacers onto metal pems configuration (A) or configuration (B) of enclosure depending on the sub-assembly module (*Fig. 8, pg. 9*). ACM8(CB) modules can only be installed in the middle or bottom mounting positions of the Maximal enclosure.
2. Position sub-assembly module over corresponding spacers and secure module into enclosure with four (4) pan head screws supplied (*Fig. 8a, pg. 9*).
3. Refer to the **Maximal Access Power Controllers** Installation Guides for: Maximal 3/5/7, Maximal 3D/5D/7D, Maximal 3F/5F/7F, Maximal 3FD/5FDFD, Maximal 11/33/55/75/77, Maximal 11D/33D/55D/75D/77D, Maximal 11F/33F/55F/75F/77F, Maximal 11FD/33FD/55FD/75FD/77FD (*Pgs. 20-21*).
Refer to the **Maximal Expandable Power Systems** Installation Guides for:
Maximal 11E/13E/33E/35E/37E/55E/75E/77E,
Maximal 11FE/FE/33FE/35FE/37FE/55FE/75FE/77FE (*Pg. 22*),
and individual Sub-Assembly Installation Guides for the following models: LINQ8PD(CB), ACM4(CB), LINQ2, MOM5, PD4UL(CB), PD8UL(CB), PD16W(CB), PDS8(CB), ACM8(CB), ACMS8(CB), LINQ8ACM(CB), VR6 for further installation instructions.

Sub-Assembly Position Chart for the Following Models:

Maximal Access Power Controller and Maximal Expandable Power Systems (refer to instruction #3 above).

Sub-Assembly Module	Mounting Position	Mounting
LINQ8PD(CB)	Top, Middle & Bottom	(A)
ACM4(CB)		
MOM5		
PD4UL(CB)		
PD8UL(CB)		
PD16W(CB)		
PDS8(CB)		
VR6		
ACM8(CB)	Middle & Bottom	(B)
ACMS8(CB)		
LINQ8ACM(CB)		
LINQ2*	Edge of Divider	(C)

* LINQ2 can be installed when utilizing eFlow power supply/charger boards.

Fig. 8a

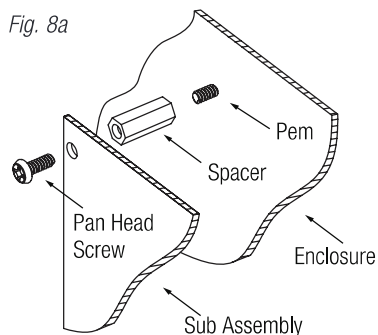
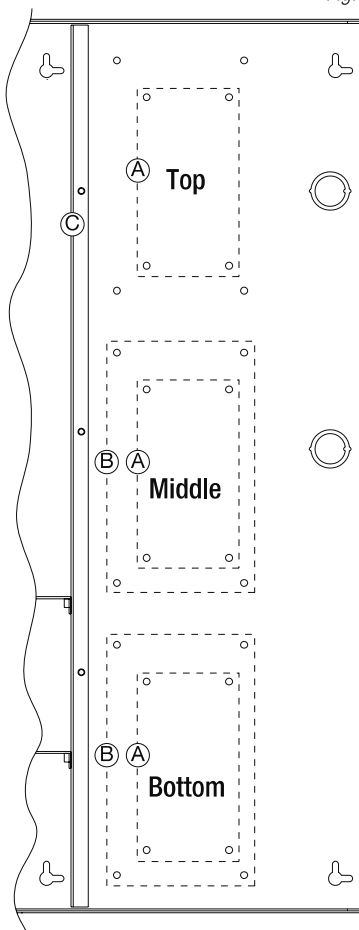


Fig. 8



NEC Power-Limited Wiring Requirements:

Power-limited and non power-limited circuit wiring must remain separated in the enclosure. All power-limited circuit wiring must remain at least 0.25" away from any non power-limited circuit wiring. Furthermore, all power-limited circuit wiring and non power-limited circuit wiring must enter and exit the enclosure through different conduits. One such example of this is shown below. Your specific application may require different conduit knockouts to be used. Any conduit knockouts may be used. For power-limited applications use of conduit is optional. All field wiring connections must be made employing suitable gauge CM or FPL jacketed wire (or equivalent substitute).

Note: Refer to wire handling drawing below for the proper way to install the CM or FPL jacketed wire (Fig. 9a, pg. 6).

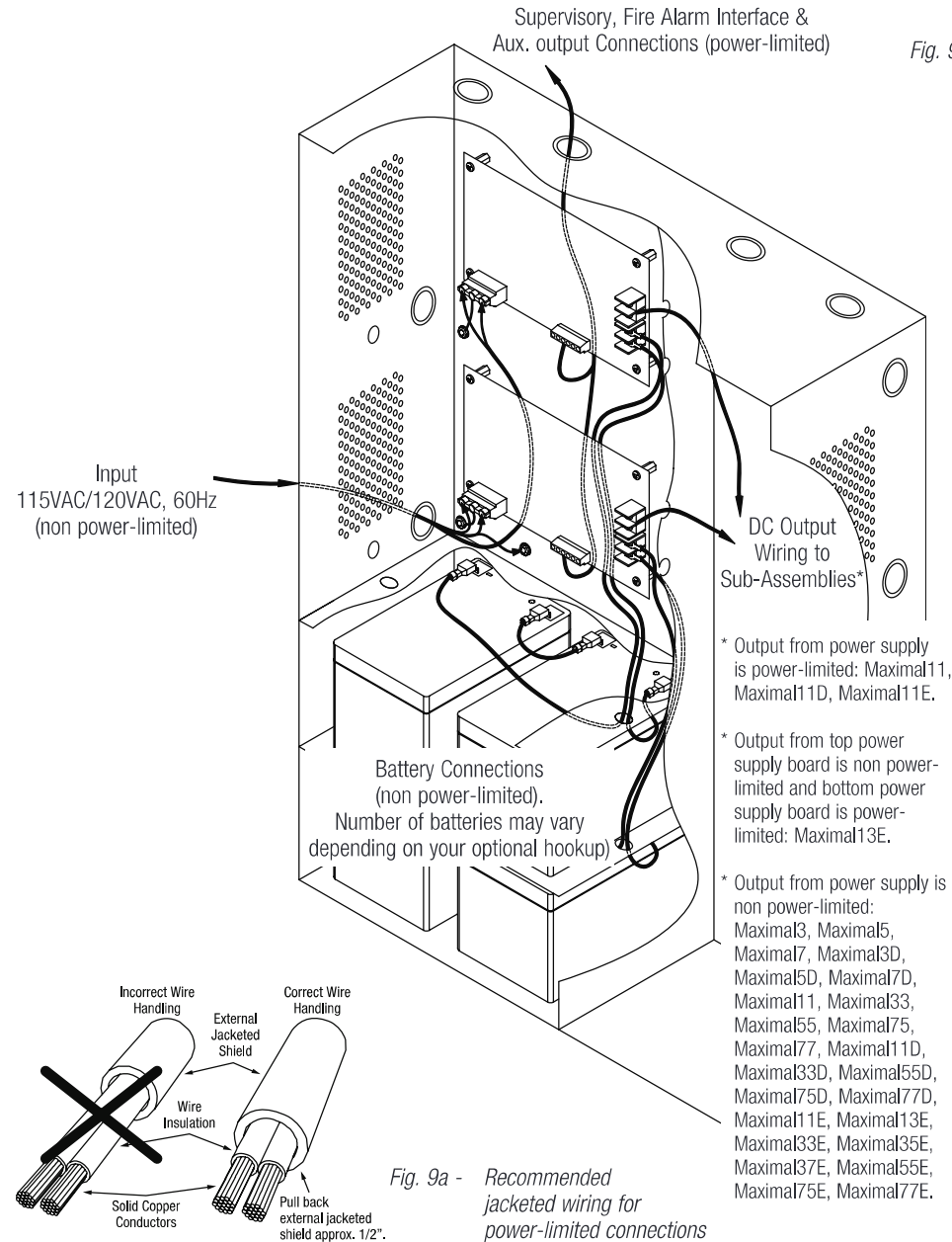


Fig. 9

Installation Instructions for Power Supply/Chargers (BC300 Enclosure):

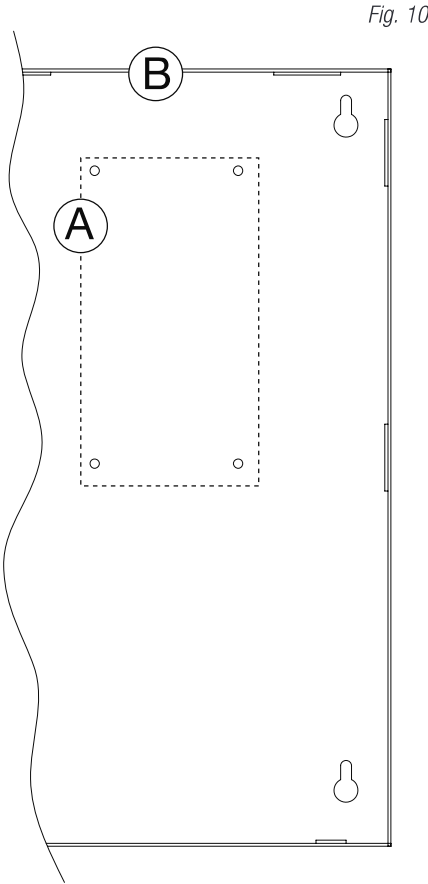
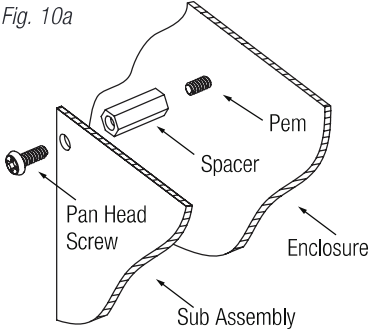
- 1. Fasten spacers onto metal pems configuration (A) of enclosure (Fig. 10, pg. 11).
- 2. Position Sub-assembly module over spacers and secure module into enclosure with four (4) pan head screws supplied (Fig. 10a, pg. 11).
- 3. Refer to the corresponding Power Supply/Charger Installation Guides:
AL300ULX Series, AL400ULX Series, AL600ULX Series, eFlow3N Series, eFlow4N Series, eFlow6N Series, eFlow102N Series, eFlow104N Series and individual Sub-Assembly Installation Guides for the following models: ACM4(CB), LINQ2, LINQ8PD(CB), MOM5, PD4UL(CB), PD8UL(CB), PD16W(CB), PDS8(CB), VR6 for further installation instructions (Pgs. 20-21).

Sub-Assembly Position Chart for the Following Models:

AL300ULX, AL300ULXR, AL400ULX, AL400ULXR, AL600ULX, AL600ULXR, eFlow3N, eFlow4N, eFlow6N, eFlow102N, eFlow104N.

Sub-Assembly Module	Mounting Position	Mounting
ACM8(CB)	Not Applicable	
ACMS8(CB)		
LINQ8ACM(CB)		
LINQ8PD(CB)	Right of Power Supply	A
ACM4(CB)		
MOM5		
PD4UL(CB)		
PD8UL(CB)		
PD16W(CB)		
PDS8(CB)		
VR6		
LINQ2*	Top edge	B

* LINQ2 can be installed when utilizing eFlow power supply/charger boards.



NEC Power-Limited Wiring Requirements:

Power-limited and non power-limited circuit wiring must remain separated in the enclosure. All power-limited circuit wiring must remain at least 0.25" away from any non power-limited circuit wiring. Furthermore, all power-limited circuit wiring and non power-limited circuit wiring must enter and exit the enclosure through different conduits. One such example of this is shown below. Your specific application may require different conduit knockouts to be used. Any conduit knockouts may be used. For power-limited applications use of conduit is optional. All field wiring connections must be made employing suitable gauge CM or FPL jacketed wire (or equivalent substitute).

Note: Refer to wire handling drawing below for the proper way to install the CM or FPL jacketed wire (Fig. 11a, pg. 12).

Fig. 11 - AL300ULX(R), AL400ULX(R), AL600ULX(R)

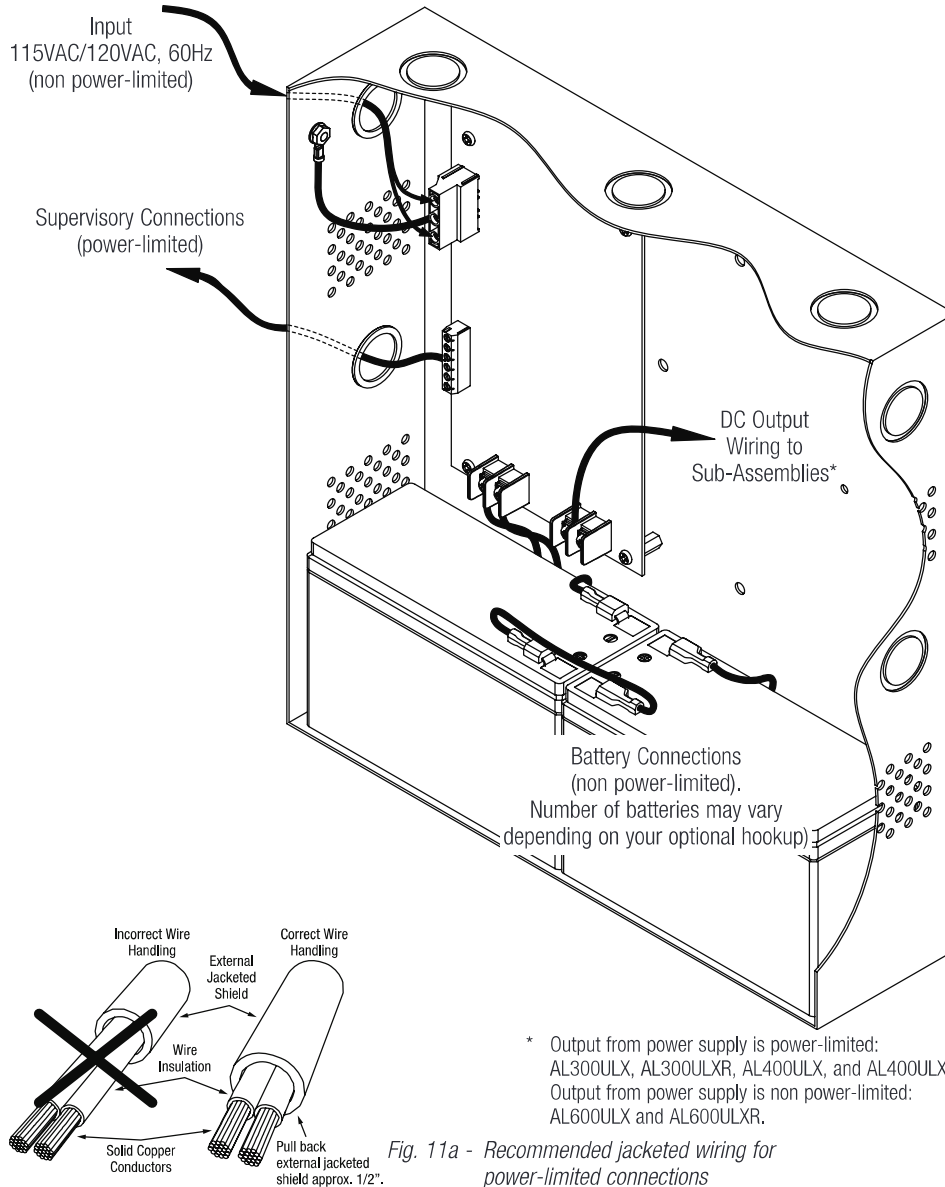


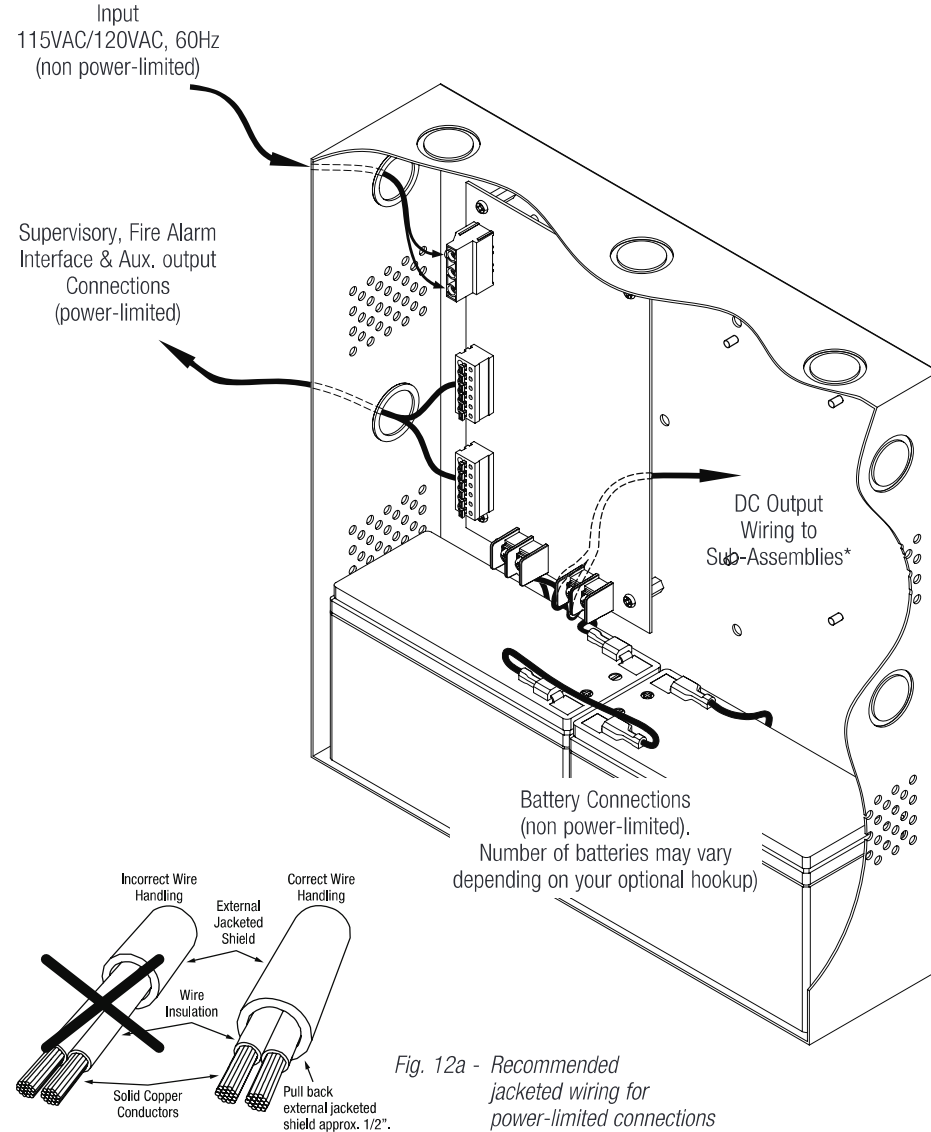
Fig. 11a - Recommended jacketed wiring for power-limited connections

NEC Power-Limited Wiring Requirements:

Power-limited and non power-limited circuit wiring must remain separated in the enclosure. All power-limited circuit wiring must remain at least 0.25" away from any non power-limited circuit wiring. Furthermore, all power-limited circuit wiring and non power-limited circuit wiring must enter and exit the enclosure through different conduits. One such example of this is shown below. Your specific application may require different conduit knockouts to be used. Any conduit knockouts may be used. For power-limited applications use of conduit is optional. All field wiring connections must be made employing suitable gauge CM or FPL jacketed wire (or equivalent substitute).

Note: Refer to wire handling drawing below for the proper way to install the CM or FPL jacketed wire (Fig. 12a, pg. 13).

Fig. 12 - eFlow3N, eFlow4N, eFlow6N, eFlow102N, and eFlow104N



* Output from power supply is power-limited: eFlow3N and eFlow4N.

Output from power supply is non power-limited: eFlow6N, eFlow102N and eFlow104N.

Installation Instructions for Power Supply/Chargers (BC400 Enclosure):

- 1. Fasten spacers onto metal pems A configuration of enclosure (Fig. 13, pg. 14).
- 2. Position sub-assembly module over spacers and secure module into enclosure with four (4) pan head screws supplied (Fig. 13a, pg. 14).
- 3. Refer to the corresponding Power Supply/Charger Installation Guides for AL300ULXD, AL600ULXD, AL1012ULX Series, AL1024ULX Series, eFlow3N Series, eFlow4N Series, eFlow6N Series, eFlow102N Series, eFlow104N Series (Pgs. 20-21) and individual Sub-Assembly Installation Guides for the following models: ACM4(CB), LINQ2, LINQ8PD(CB), MOM5, PD4UL(CB), PD8UL(CB), PD16W(CB), PDS8(CB), ACM8(CB), ACMS8(CB), LINQ8ACM(CB), VR6 for further installation instructions.

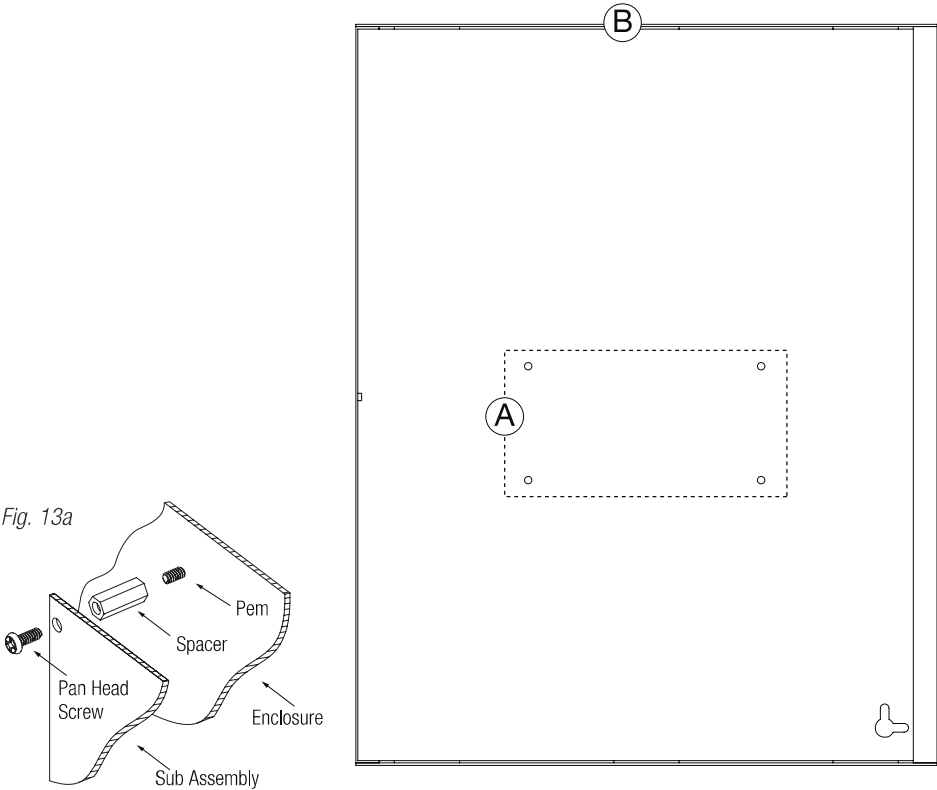
Sub-Assembly Position Chart for the Following Models:

AL300ULXD, AL600ULXD, AL1012ULX, AL1024ULX(R), eFlow3NX, eFlow4NX, eFlow6NX, eFlow102NX and eFlow104NX.

Sub-Assembly Module	Mounting Position	Mounting	Sub-Assembly Module	Mounting Position	Mounting
LINQ8PD(CB)	Below Power Supply	Ⓐ	PD16W(CB)	Below Power Supply	Ⓐ
ACM4(CB)			PDS8(CB)		
ACM8(CB)			ACMS8(CB)		
MOM5			LINQ8ACM(CB)		
PD4UL(CB)			VR6		
PD8UL(CB)			LINQ2*	Top edge	

* LINQ2 can be installed when utilizing eFlow power supply/charger boards.

Fig. 13



NEC Power-Limited Wiring Requirements:

Power-limited and non power-limited circuit wiring must remain separated in the enclosure. All power-limited circuit wiring must remain at least 0.25" away from any non power-limited circuit wiring. Furthermore, all power-limited circuit wiring and non power-limited circuit wiring must enter and exit the enclosure through different conduits. One such example of this is shown below. Your specific application may require different conduit knockouts to be used. Any conduit knockouts may be used. For power-limited applications use of conduit is optional. All field wiring connections must be made employing suitable gauge CM or FPL jacketed wire (or equivalent substitute).

Note: Refer to wire handling drawing below for the proper way to install the CM or FPL jacketed wire (Fig. 14a, pg. 15).

Fig. 14 - AL300ULXD (power-limited output)

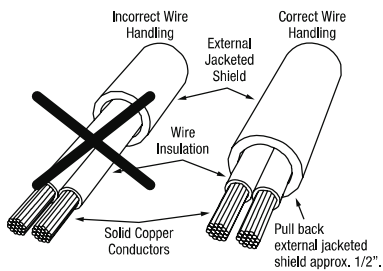
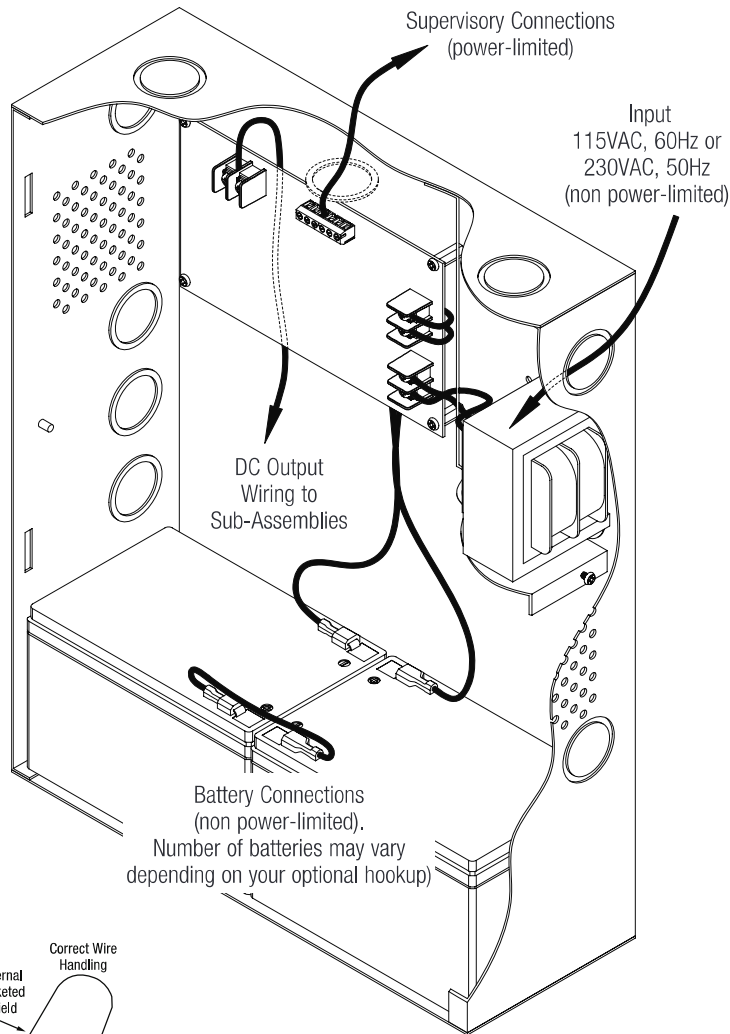


Fig. 14a - Recommended jacketed wiring for power-limited connections

NEC Power-Limited Wiring Requirements:

Power-limited and non power-limited circuit wiring must remain separated in the enclosure. All power-limited circuit wiring must remain at least 0.25" away from any non power-limited circuit wiring. Furthermore, all power-limited circuit wiring and non power-limited circuit wiring must enter and exit the enclosure through different conduits. One such example of this is shown below. Your specific application may require different conduit knockouts to be used. Any conduit knockouts may be used. For power-limited applications use of conduit is optional. All field wiring connections must be made employing suitable gauge CM or FPL jacketed wire (or equivalent substitute).

Note: Refer to wire handling drawing below for the proper way to install the CM or FPL jacketed wire (Fig. 15a, pg. 16).

Fig. 15 - AL600ULXD (non power-limited output)

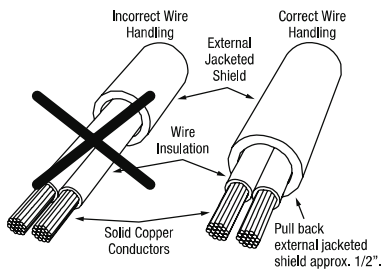
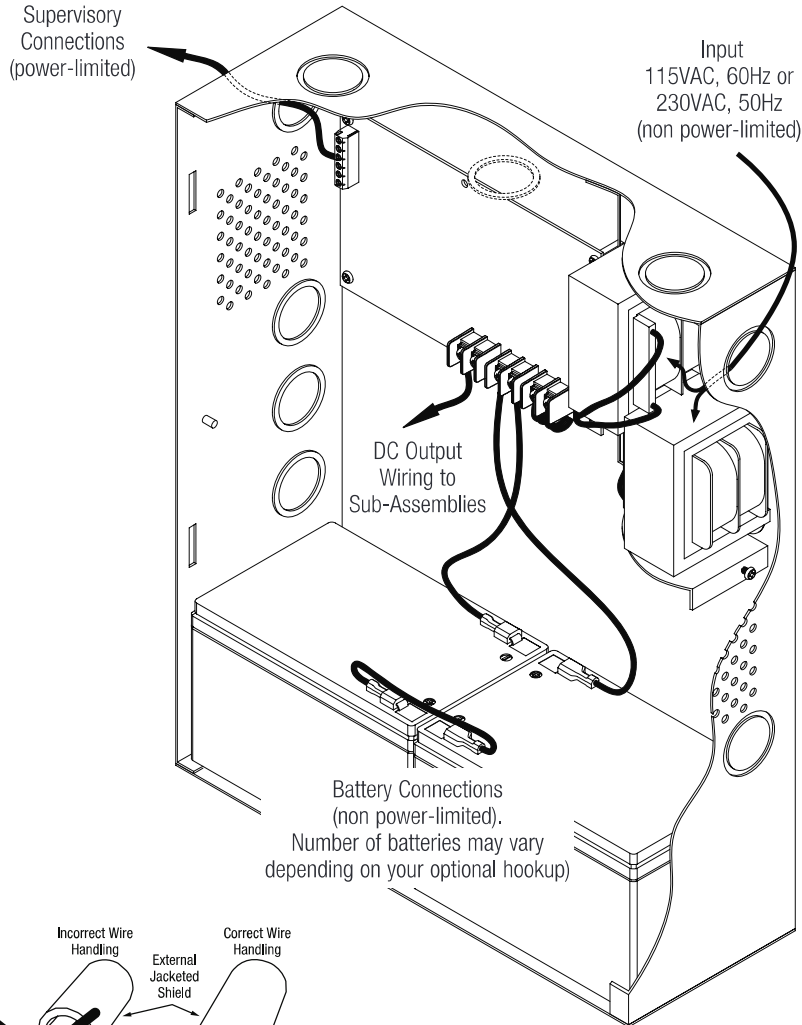


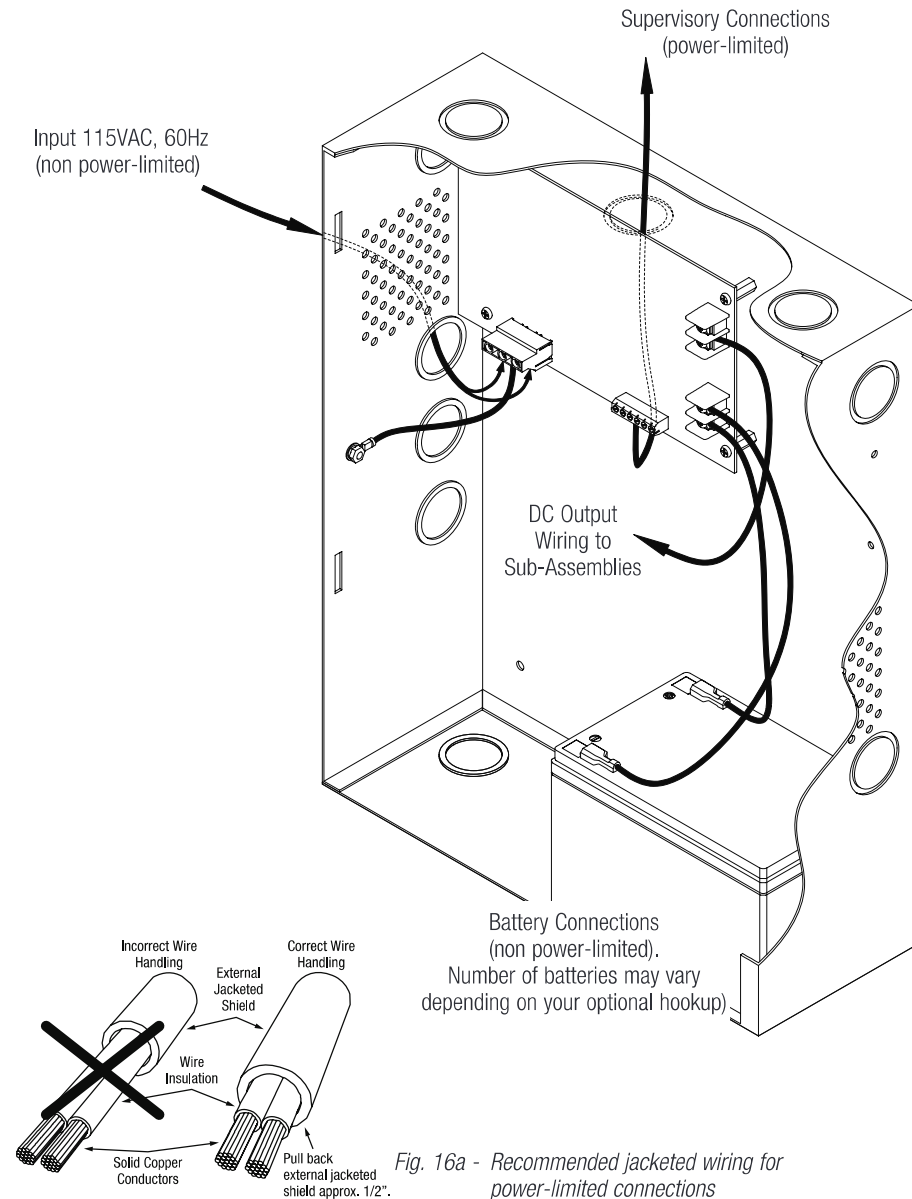
Fig. 15a - Recommended jacketed wiring for power-limited connections

NEC Power-Limited Wiring Requirements:

Power-limited and non power-limited circuit wiring must remain separated in the enclosure. All power-limited circuit wiring must remain at least 0.25" away from any non power-limited circuit wiring. Furthermore, all power-limited circuit wiring and non power-limited circuit wiring must enter and exit the enclosure through different conduits. One such example of this is shown below. Your specific application may require different conduit knockouts to be used. Any conduit knockouts may be used. For power-limited applications use of conduit is optional. All field wiring connections must be made employing suitable gauge CM or FPL jacketed wire (or equivalent substitute).

Note: Refer to wire handling drawing below for the proper way to install the CM or FPL jacketed wire (Fig. 16a, pg. 17).

Fig. 16 - AL1012ULX (non power-limited output)



NEC Power-Limited Wiring Requirements:

Power-limited and non power-limited circuit wiring must remain separated in the enclosure. All power-limited circuit wiring must remain at least 0.25" away from any non power-limited circuit wiring. Furthermore, all power-limited circuit wiring and non power-limited circuit wiring must enter and exit the enclosure through different conduits. One such example of this is shown below. Your specific application may require different conduit knockouts to be used. Any conduit knockouts may be used. For power-limited applications use of conduit is optional. All field wiring connections must be made employing suitable gauge CM or FPL jacketed wire (or equivalent substitute).

Note: Refer to wire handling drawing below for the proper way to install the CM or FPL jacketed wire (Fig. 17a, pg. 18).

Fig. 17 - AL1024ULX(R) (non power-limited output)

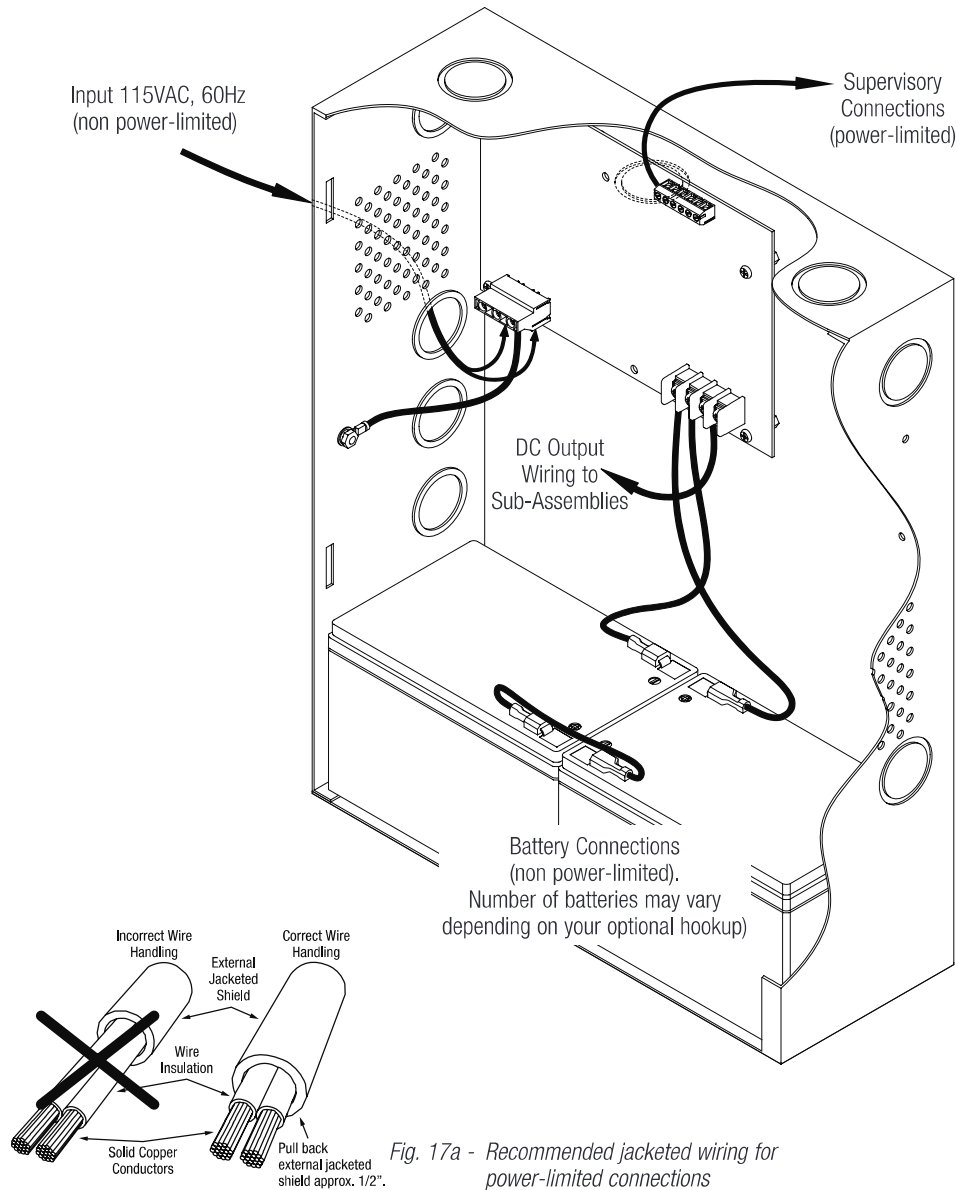
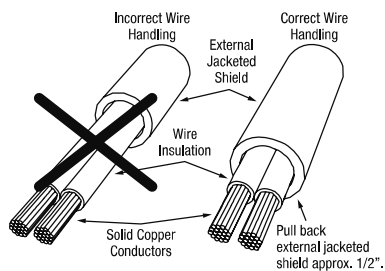
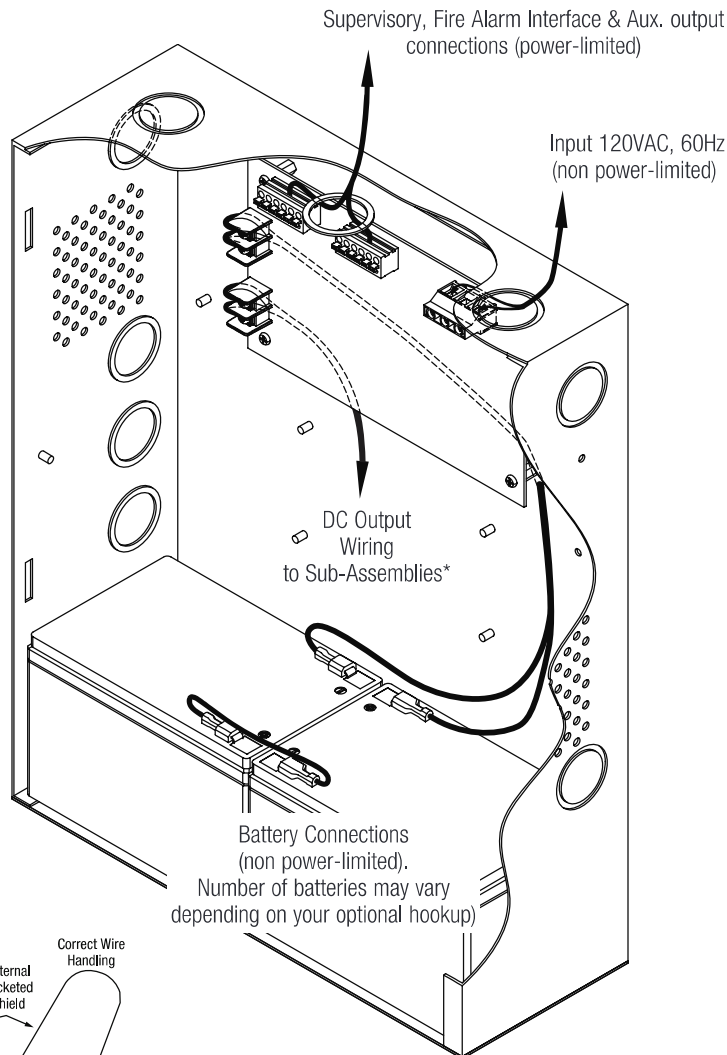


Fig. 17a - Recommended jacketed wiring for power-limited connections

NEC Power-Limited Wiring Requirements:

Power-limited and non power-limited circuit wiring must remain separated in the enclosure. All power-limited circuit wiring must remain at least 0.25" away from any non power-limited circuit wiring. Furthermore, all power-limited circuit wiring and non power-limited circuit wiring must enter and exit the enclosure through different conduits. One such example of this is shown below. Your specific application may require different conduit knockouts to be used. Any conduit knockouts may be used. For power-limited applications use of conduit is optional. All field wiring connections must be made employing suitable gauge CM or FPL jacketed wire (or equivalent substitute). Note: Refer to wire handling drawing below for the proper way to install the CM or FPL jacketed wire (Fig. 18a, pg. 19).

Fig. 18 - eFlow3NX, eFlow4NX, eFlow6NX, eFlow102NX, and eFlow104NX



* Output from power supply is power-limited: eFlow3NX and eFlow4NX.
Output from power supply is non power-limited:
eFlow6NX, eFlow102NX and eFlow104NX.

Fig. 17a - Recommended jacketed wiring for power-limited connections

Altronix Power Supply/Charger Reference Chart:

Power Supply	Input Rating	Output Rating	Refer to
AL300ULX	115VAC, 60Hz, 3.5A	12VDC or 24VDC @ 2.5A	AL300ULX Series Installation Guide Rev. 102512
AL400ULX	115VAC, 60Hz, 3.5A	12VDC @ 4A or 24VDC @ 3A	AL400ULX Series Installation Guide Rev. 102512
AL600ULX	115VAC, 60Hz, 3.5A	12VDC or 24VDC @ 6A	AL400ULX Series Installation Guide Rev. 120612
AL1012ULX	115VAC, 60Hz, 2.6A	12VDC @ 10A	AL1012ULX Series Installation Guide Rev. 120712
AL1024ULX	115VAC, 60Hz, 4.2A	24VDC @ 10A	AL1024ULX Series Installation Guide Rev. 121012

AL300ULXD	115VAC, 60Hz, 0.9A or 230VAC, 60Hz, 0.45A	12VDC or 24VDC @ 2.5A	AL300ULXD Installation Guide Rev. 021500
AL600ULXD	115VAC 60Hz, 1.9A or 230VAC 60Hz 0.95A	12VDC or 24VDC @ 6A	AL600ULXD Installation Guide Rev. 013103

Maximal3	115VAC, 60Hz, 3.5A	12VDC @ 5A or 24VDC @ 5.4A	Maximal Series Access Power Controllers Installation Guide Rev. SF110912
Maximal5	115VAC, 60Hz, 2.6A	12VDC @ 9A	
Maximal7	115VAC, 60Hz, 4.2A	24VDC @ 9.4A	
Maximal3D	115VAC, 60Hz, 3.5A	12VDC @ 5A or 24VDC @ 5.4A	Maximal Series Access Power Controllers Installation Guide Rev. SCB110912
Maximal5D	115VAC, 60Hz, 2.6A	12VDC @ 9A	
Maximal7D	115VAC, 60Hz, 4.2A	24VDC @ 9.4A	

Maximal11	115VAC, 60Hz, 7.0A	Power Supply 1	Power Supply 2	Maximal Series Access Power Controllers Installation Guide Rev. DF102512
		12VDC @ 3.5A	12VDC @ 3.5A	
		12VDC @ 2.7A	24VDC @ 2.7A	
		24VDC @ 3.5A	24VDC @ 3.5A	
Maximal33	115VAC, 60Hz, 7.0A	Power Supply 1	Power Supply 2	
		12VDC @ 5.5A	12VDC @ 5.5A	
		12VDC @ 5.7A	24VDC @ 5.7A	
		24VDC @ 5.5A	24VDC @ 5.7A	
Maximal55	115VAC, 60Hz, 5.2A	Power Supply 1	Power Supply 2	
		12VDC @ 9.5A	12VDC @ 9.5A	
Maximal75	115VAC, 60Hz, 7.0A	Power Supply 1	Power Supply 2	
		24VDC @ 9.5A	12VDC @ 9.5A	
Maximal77	115VAC, 60Hz, 8.8A	Power Supply 1	Power Supply 2	
		24VDC @ 9.7A	24VDC @ 9.7A	
Maximal11D	115VAC, 60Hz, 7.0A	Power Supply 1	Power Supply 2	Maximal Series Access Power Controllers Installation Guide Rev. DCB102512
		12VDC @ 3.5A	12VDC @ 3.5A	
		12VDC @ 2.7A	24VDC @ 2.7A	
		24VDC @ 3.5A	24VDC @ 3.5A	
Maximal33D	115VAC, 60Hz, 7.0A	Power Supply 1	Power Supply 2	
		12VDC @ 5.5A	12VDC @ 5.5A	
		12VDC @ 5.7A	24VDC @ 5.7A	
		24VDC @ 5.5A	24VDC @ 5.7A	
Maximal55D	115VAC, 60Hz, 5.2A	Power Supply 1	Power Supply 2	
		12VDC @ 9.5A	12VDC @ 9.5A	
Maximal75D	115VAC, 60Hz, 7.0A	Power Supply 1	Power Supply 2	
		24VDC @ 9.5A	12VDC @ 9.5A	
Maximal77D	115VAC, 60Hz, 8.8A	Power Supply 1	Power Supply 2	
		24VDC @ 9.7A	24VDC @ 9.7A	

Altronix Power Supply/Charger Reference Chart:

Power Supply	Input Rating	Output Rating	Refer to
eFlow3N(X)	120VAC, 60Hz, 3.5A	12VDC or 24VDC @ 2A	eFlow3N Series Installation Guide Rev. 3NRP013019
eFlow4N(X)	120VAC, 60Hz, 3.5A	12VDC or 24VDC @ 4A	eFlow4N Series Installation Guide Rev. 4NRP020819
eFlow6N(X)	120VAC, 60Hz, 3.5A	12VDC or 24VDC @ 6A	eFlow6N Series Installation Guide Rev. 6NRP020819
eFlow102N(X)	120VAC, 60Hz, 3.5A	12VDC @ 10A	eFlow102N Series Installation Guide Rev. 102NRP020819
eFlow104N(X)	120VAC, 60Hz, 4.5A	24VDC @ 10A	eFlow104N Series Installation Guide Rev. 104NRP021119

Maximal3F	120VAC, 60Hz, 3.5A	12VDC @ 4.6A or 24VDC @ 5.2A	Maximal Series Access Power Controllers with Power Supplies Installation Guide Rev. SFF051313
Maximal5F	120VAC, 60Hz, 3.5A	12VDC @ 8.6A	
Maximal7F	120VAC, 60Hz, 4.5A	24VDC @ 9.2A	
Maximal3FD	120VAC, 60Hz, 3.5A	12VDC @ 4.6A or 24VDC @ 5.2A	Maximal Series Access Power Controllers with Power Supplies Installation Guide Rev. SFD051313
Maximal5FD	120VAC, 60Hz, 3.5A	12VDC @ 8.6A	
Maximal7FD	120VAC, 60Hz, 4.5A	24VDC @ 9.2A	

Maximal11F	120VAC, 60Hz, 7.0A	Power Supply 1	Power Supply 2	Maximal Series Access Power Controllers with Power Supplies Installation Guide Rev. Rev. DFF051613
		12VDC @ 3.3A	12VDC @ 3.3A	
		12VDC @ 3.3A	24VDC @ 3.6A	
		24VDC @ 3.6A	24VDC @ 3.6A	
Maximal33F	120VAC, 60Hz, 7.0A	Power Supply 1	Power Supply 2	
		12VDC @ 5.3A	12VDC @ 5.3A	
		12VDC @ 5.3A	24VDC @ 5.6A	
		24VDC @ 5.3A	24VDC @ 5.6A	
Maximal55F	120VAC, 60Hz, 7.0A	Power Supply 1	Power Supply 2	
		12VDC @ 9.3A	12VDC @ 9.3A	
Maximal75F	120VAC, 60Hz, 8.0A	Power Supply 1	Power Supply 2	
		24VDC @ 9.3A	12VDC @ 9.6A	
Maximal77F	120VAC, 60Hz, 9.0A	Power Supply 1	Power Supply 2	
		24VDC @ 9.6A	24VDC @ 9.6A	
Maximal11FD	120VAC, 60Hz, 7.0A	Power Supply 1	Power Supply 2	Maximal Series Access Power Controllers with Power Supplies Installation Guide Rev. Rev. DFF051613
		12VDC @ 3.3A	12VDC @ 3.3A	
		12VDC @ 3.3A	24VDC @ 3.6A	
		24VDC @ 3.6A	24VDC @ 3.6A	
Maximal33FD	120VAC, 60Hz, 7.0A	Power Supply 1	Power Supply 2	
		12VDC @ 5.3A	12VDC @ 5.3A	
		12VDC @ 5.3A	24VDC @ 5.6A	
		24VDC @ 5.3A	24VDC @ 5.6A	
Maximal55FD	120VAC, 60Hz, 7.0A	Power Supply 1	Power Supply 2	
		12VDC @ 9.3A	12VDC @ 9.3A	
Maximal75FD	120VAC, 60Hz, 8.0A	Power Supply 1	Power Supply 2	
		24VDC @ 9.3A	12VDC @ 9.6A	
Maximal77FD	120VAC, 60Hz, 9.0A	Power Supply 1	Power Supply 2	
		24VDC @ 9.6A	24VDC @ 9.6A	

Altronix Power Supply/Charger Reference Chart:

Power Supply	Input Rating	Output Rating		Refer to
Maximal11E	115VAC, 60Hz, 7.0A	Power Supply 1	Power Supply 2	Maximal Series Expandable Power Systems Installation Guide Rev. ME102512
		12VDC @ 4A	12VDC @ 4A	
		12VDC @ 4A	24VDC @ 3A	
		24VDC @ 3A	24VDC @ 3A	
Maximal13E	115VAC, 60Hz, 7.0A	Power Supply 1	Power Supply 2	
		12VDC @ 6A	12VDC @ 4A	
		24VDC @ 6A	12VDC @ 4A	
		12VDC @ 6A	24VDC @ 3A	
Maximal33E	115VAC, 60Hz, 7.0A	24VDC @ 6A	24VDC @ 3A	
		Power Supply 1	Power Supply 2	
		12VDC @ 6A	12VDC @ 6A	
		12VDC @ 6A	24VDC @ 6A	
Maximal35E	115VAC, 60Hz, 6.1A	24VDC @ 6A	24VDC @ 6A	
		Power Supply 1	Power Supply 2	
		12VDC @ 10A	12VDC @ 6A	
		12VDC @ 10A	24VDC @ 6A	
Maximal37E	115VAC, 60Hz, 7.9A	Power Supply 1	Power Supply 2	
		24VDC @ 10A	12VDC @ 6A	
		24VDC @ 10A	24VDC @ 6A	
Maximal55E	115VAC, 60Hz, 5.2A	Power Supply 1	Power Supply 2	
		12VDC @ 10A	12VDC @ 10A	
Maximal75E	115VAC, 60Hz, 7.0A	Power Supply 1	Power Supply 2	
		24VDC @ 10A	12VDC @ 10A	
Maximal77E	115VAC, 60Hz, 8.8A	Power Supply 1	Power Supply 2	
		24VDC @ 10A	24VDC @ 10A	

Maximal11FE	120VAC, 60Hz, 7A	Power Supply 1	Power Supply 2	Maximal Series Expandable Power Systems Installation Guide Rev. MFE051313
		12VDC @ 4A	12VDC @ 4A	
		12VDC @ 4A	24VDC @ 3A	
		24VDC @ 3A	24VDC @ 3A	
Maximal13FE	120VAC, 60Hz, 7A	Power Supply 1	Power Supply 2	
		12VDC @ 6A	12VDC @ 4A	
		24VDC @ 6A	12VDC @ 4A	
		12VDC @ 6A	24VDC @ 3A	
Maximal33FE	120VAC, 60Hz, 7A	24VDC @ 6A	24VDC @ 3A	
		Power Supply 1	Power Supply 2	
		12VDC @ 6A	12VDC @ 6A	
		12VDC @ 6A	24VDC @ 6A	
Maximal35FE	120VAC, 60Hz, 7A	24VDC @ 6A	24VDC @ 6A	
		Power Supply 1	Power Supply 2	
		12VDC @ 10A	12VDC @ 6A	
		12VDC @ 10A	24VDC @ 6A	
Maximal37FE	120VAC, 60Hz, 8A	Power Supply 1	Power Supply 2	
		24VDC @ 10A	12VDC @ 6A	
		24VDC @ 10A	24VDC @ 6A	
Maximal55FE	120VAC, 60Hz, 7A	Power Supply 1	Power Supply 2	
		12VDC @ 10A	12VDC @ 10A	
Maximal75FE	120VAC, 60Hz, 8A	Power Supply 1	Power Supply 2	
		24VDC @ 10A	12VDC @ 10A	
Maximal77FE	120VAC, 60Hz, 9A	Power Supply 1	Power Supply 2	
		24VDC @ 10A	24VDC @ 10A	

Enclosure Dimensions:

Enclosure	Dimensions (H x W x D)
Trove1	18" x 14.5" x 4.625" (457mm x 368mm x 118mm)
Trove2	27.25" x 21.75" x 6.5" (692.2mm x 552.5mm x 165.1mm)
Maximal (BC800)	26" x 19" x 6.25" (660.4mm x 482.6mm x 158.8mm)
BC300 AL300ULX, AL400ULX, AL600ULX eFlow3N, eFlow4N, eFlow6N, eFlow102N, eFlow104N	13.5" x 13" x 3.25" (342.9mm x 330.2mm x 82.6mm)
BC400 AL300ULXD, AL600ULXD, AL1012ULX, AL1024ULX eFlow3NX, eFlow4NX, eFlow6NX, eFlow102NX, eFlow104NX	15.5" x 12" x 4.5" (393.7mm x 304.8mm x 114.3mm)

Notes:

Altronix is not responsible for any typographical errors.

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