Sub-Assembly Installation Instructions

for Models: ACM4 ACM4CB ACM8 ACM8CB MOM5 PD4UL PD4ULCB PD4ULCB PD8UL PD8ULCB PD16W PD16WCB



Rev. MS050913



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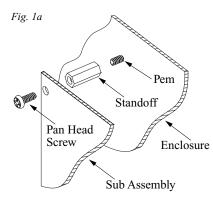
Installation Instructions for Maximal:

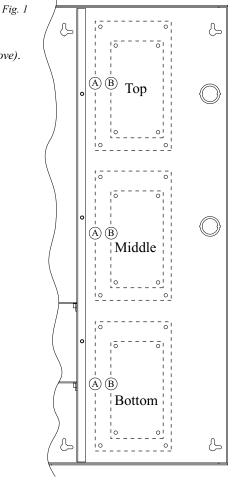
- 1. Fasten standoffs onto metal pems A configuration or B configuration of enclosure depending on the sub assembly module (*Fig. 1, pg. 2*). ACM8 or ACM8CB modules can only be installed in the middle or bottom mounting positions of the Maximal enclosure.
- 2. Position sub assembly module over corresponding standoffs and secure module into enclosure with four (4) pan head screws supplied (*Fig. 1a, pg. 2*).
- 3. Refer to the Installation Instructions for Maximal Access Power Controller (Maximal3, Maximal5, Maximal7, Maximal3D, Maximal5D, Maximal7D, Maximal3F, Maximal3F, Maximal3FD, Maximal3FD, Maximal5FD, Maximal7FD, Maximal11D, Maximal33D, Maximal7FD, Maximal75D, Maximal75D, Maximal75D, Maximal77D, Maximal11F, Maximal33F, Maximal55F, Maximal75F, Maximal75F, Maximal75D, Maximal35FD, Maximal55FD, Maximal37FD, Maximal37FE, Maximal37FE, Maximal37FE, Maximal35FE, Maximal35FE

Sub Assembly Position Chart for the following models:

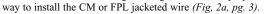
Maximal Access Power Controller and Maximal Expandable Power Systems (refer to instruction #3 above).

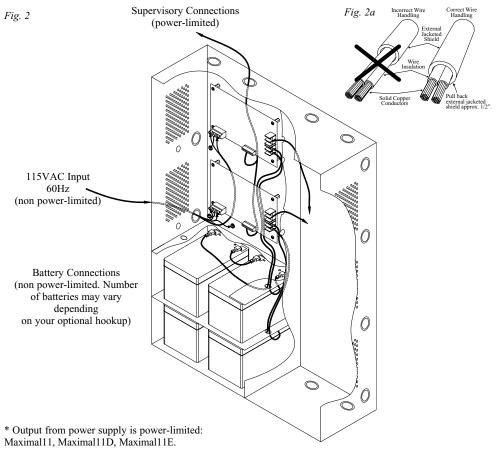
Sub Assembly Module	Mounting Position	Pem Mounting
ACM4, ACM4CB	Top, Middle & Bottom	В
ACM8, ACM8CB	Middle & Bottom	А
MOM5	Top, Middle & Bottom	В
PD4UL, PD4ULCB	Top, Middle & Bottom	В
PD8UL, PD8ULCB	Top, Middle & Bottom	В
PD16W, PD16WCB	Top, Middle & Bottom	В





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



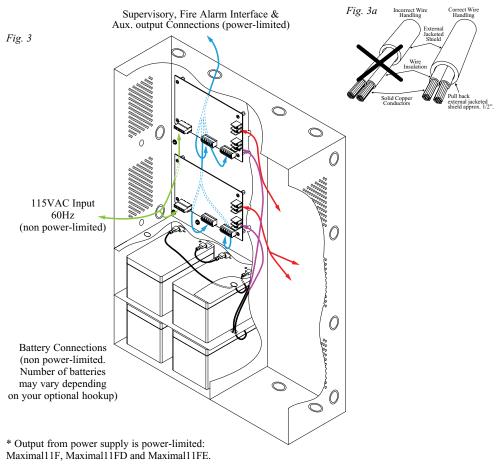


* Output from top power supply board is non power-limited and bottom power supply board is power-limited: Maximal13E.

Output from power supply is non power-limited: Maximal3, Maximal5, Maximal7, Maximal3D, Maximal5D, Maximal7D, Maximal11, Maximal33, Maximal55, Maximal75, Maximal77, Maximal11D, Maximal33D, Maximal55D, Maximal75D, Maximal77D, Maximal11E, Maximal13E, Maximal33E, Maximal35E, Maximal37E, Maximal55E, Maximal75E, Maximal77E.

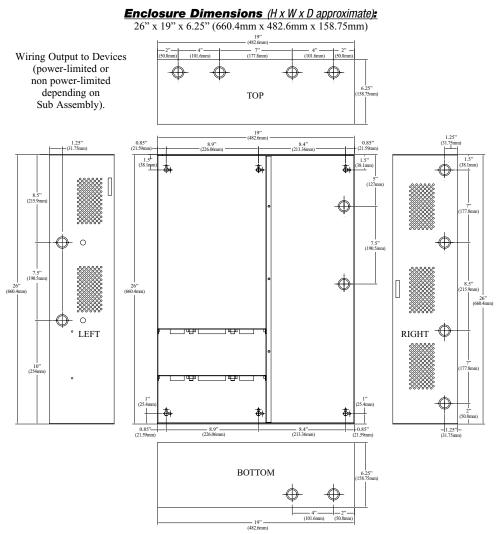
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way to install the CM or FPL jacketed wire (Fig, 3a, pg. 4).



* Output from top power supply board is non power-limited and bottom power supply board is power-limited: Maximal13FE.

Output from power supply is non power-limited: Maximal3F, Maximal5F, Maximal7F, Maximal3FD, Maximal5FD, Maximal7FD, Maximal33F, Maximal55F, Maximal75F, Maximal33FD, Maximal55FD, Maximal75FD, Maximal77FD, Maximal33FE, Maximal35FE, Maximal37FE, Maximal55FE, Maximal75FE and Maximal77FE.



Enclosure for models:

Maximal3, Maximal5, Maximal7, Maximal3D, Maximal5D, Maximal7D, Maximal3F, Maximal5F, Maximal7F, Maximal3FD, Maximal5FD, Maximal7FD, Maximal11, Maximal33, Maximal55, Maximal75, Maximal77, Maximal11D, Maximal33D, Maximal55D, Maximal75D, Maximal77D, Maximal11E, Maximal33E, Maximal35E, Maximal55E, Maximal75E, Maximal77E, Maximal11F, Maximal33F, Maximal55F, Maximal75F, Maximal77E, Maximal77E, Maximal77FD, Maximal75F, Maximal11FD, Maximal33FD, Maximal55FD, Maximal75FD, Maximal77FD, Maximal11FE, Maximal33FE, Maximal33FE, Maximal33FE, Maximal35FE, Maximal35FE, Maximal37FE, Maxim

Installation Instructions for Power Supply/Chargers:

- 1. Fasten standoffs onto metal pems A configuration of enclosure (Fig. 4, pg. 6).
- 2. Position sub assembly module over standoffs and secure module into enclosure with four (4) pan head screws supplied (*Fig. 4a, pg. 6*).
- 3. Refer to the corresponding Power Supply/Charger Installation Instructions (AL300ULX, AL300ULXR, AL400ULX, AL400ULX, AL600ULX, AL600ULXR, eFlow3N, eFlow4N, eFlow102N, eFlow104N) and *Sub Assembly* (ACM4, ACM4CB, MOM5, PD4UL, PD4ULCB, PD8ULCB, PD16W, PD16WCB) Installation Guides for all other installation instructions.

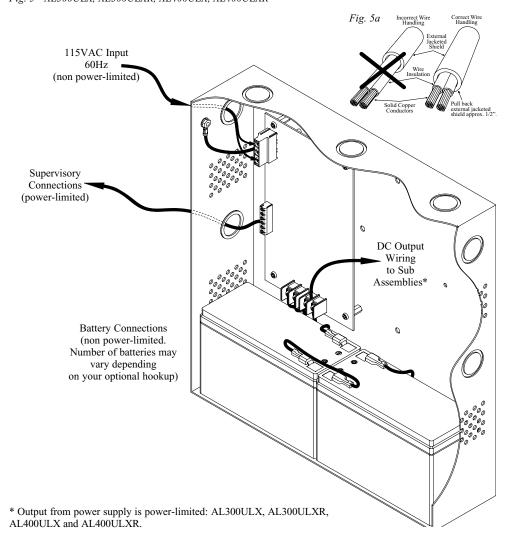
Sub Assembly Position Chart for the following models:

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

Sub Assembly Module	Mounting Position	Fig. 4	
ACM4, ACM4CB	Right of Power Supply		Д
ACM8, ACM8CB	Not Applicable		\bigcirc
MOM5	Right of Power Supply	0 0	
PD4UL, PD4ULCB	Right of Power Supply	(A)	
PD8UL, PD8ULCB	Right of Power Supply		
PD16W, PD16WCB	Right of Power Supply	/	
Fig. 4a	Enclosure	e	
	Sub Assembly		

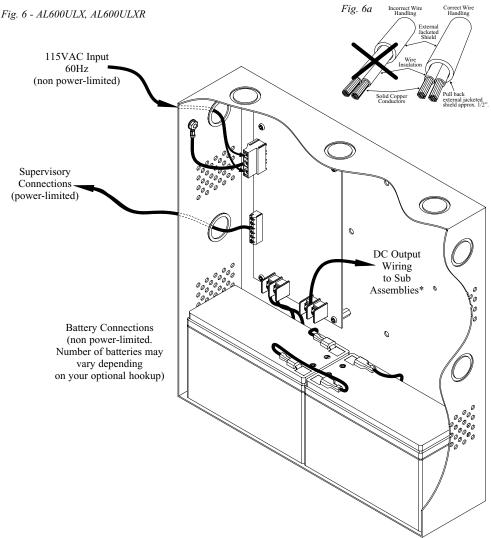
Power-limited and non power-limited circuit wiring must remain separated in the enclosure. All power-limited circuit wiring must remain at least 0.25" away from any non power-limited circuit wiring. Furthermore, all power-limited circuit wiring and non power-limited circuit wiring must enter and exit 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. 7*).

Fig. 5 - AL300ULX, AL300ULXR, AL400ULX, AL400ULXR



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, 6a, pg. 8).

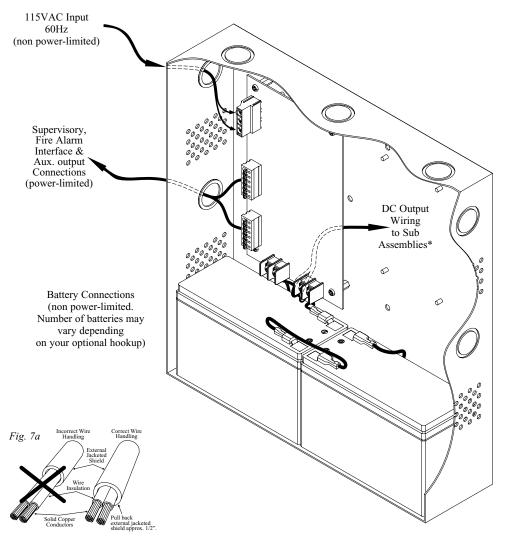


* Output from power supply is non power-limited: AL600ULX and AL600ULXR.

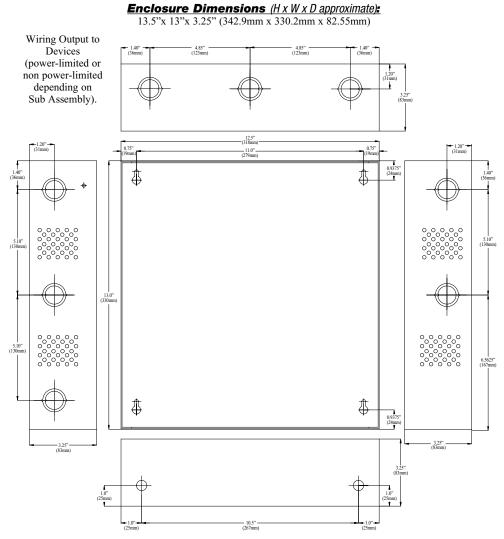
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to install the CM or FPL jacketed wire, (Fig, 7a, pg. 9).

Fig. 7 - eFlow3N, eFlow4N, eFlow6N, eFlow102N and eFlow104N.



Sub Assembly



Enclosure for models: AL300ULX, AL300ULXR, AL400ULX, AL400ULXR, AL600ULXR, AL600ULXR, eFlow3N, eFlow4N, eFlow6N, eFlow102N, eFlow104N.

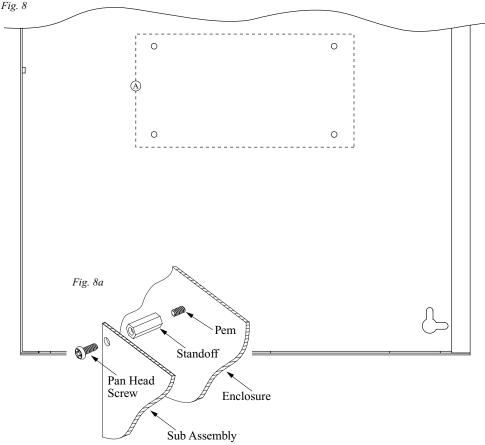
Installation Instructions for Power Supply/Chargers:

- 1. Fasten standoffs onto metal pems A configuration of enclosure (Fig. 8, pg. 11).
- 2. Position sub assembly module over standoffs and secure module into enclosure with four (4) pan head screws supplied (*Fig. 8a, pg. 11*).
- 3. Refer to the corresponding Power Supply/Charger Installation Instructions (AL300ULXD, AL600ULXD, AL1012ULX, AL1024ULX, AL1024ULXR, eFlow3NX, eFlow4NX, eFlow6NX, eFlow102NX and eFlow104NX) and *Sub Assembly* (ACM4, ACM4CB, ACM8, ACM8CB, MOM5, PD4UL, PD4ULCB, PD8UL, PD8ULCB, PD16W, PD16WCB) Installation Guides for all other installation instructions.

Sub Assembly Position Chart for the Following Models:

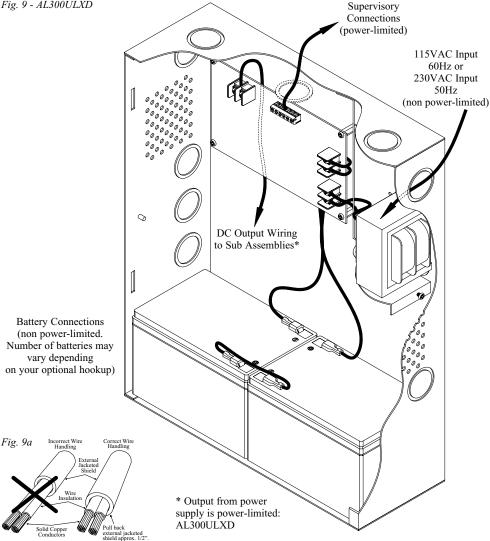
AL300ULXD, AL600ULXD, AL1012ULX, AL1024ULX, AL1024ULXR, eFlow3NX, eFlow4NX, eFlow6NX, eFlow102NX and eFlow104NX.

Sub Assembly Module	Mounting Position	Sub Assembly Module	Mounting Position
ACM4, ACM4CB	Below Power Supply	PD4UL, PD4ULCB	Below Power Supply
ACM8, ACM8CB	Below Power Supply	PD8UL, PD8ULCB	Below Power Supply
MOM5	Below Power Supply	PD16W, PD16WCB	Below Power Supply



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 powerlimited 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. 12).

Fig. 9 - AL300ULXD



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 powerlimited 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, 10a, pg. 13).

Fig. 10 - AL600ULXD

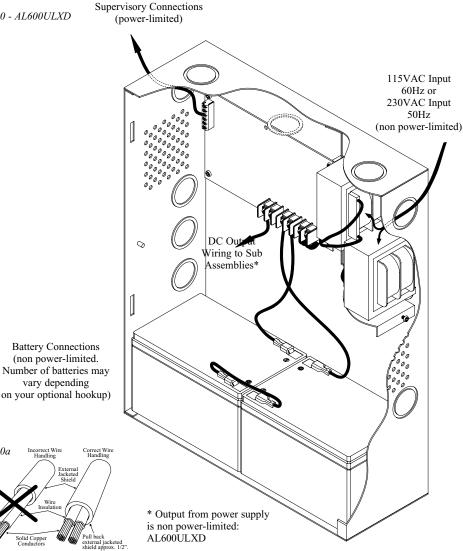
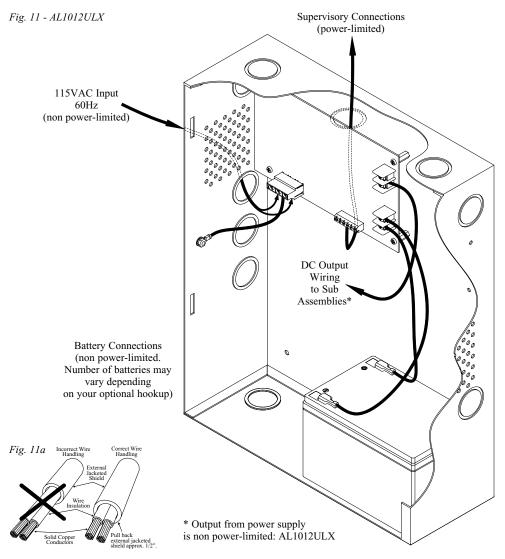


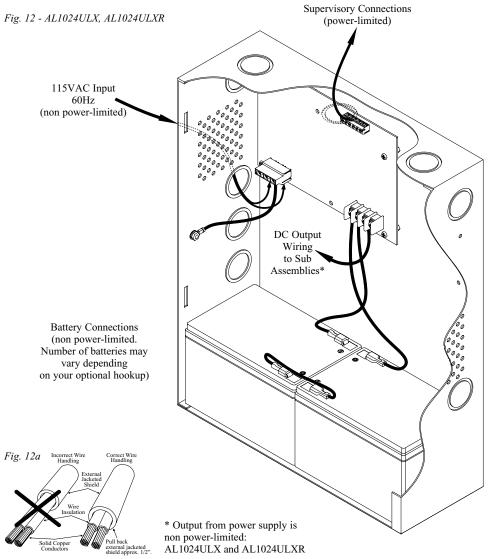
Fig. 10a

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. 14).

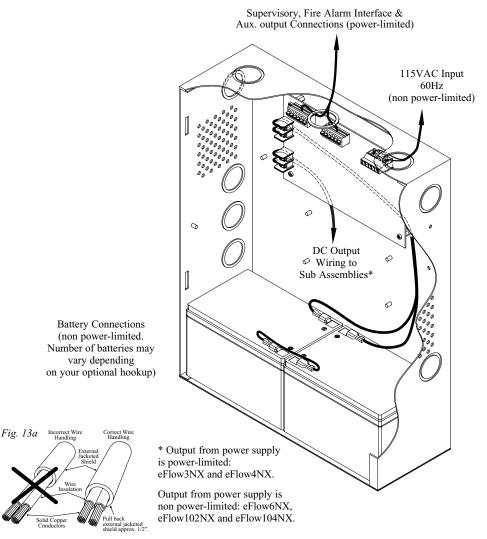


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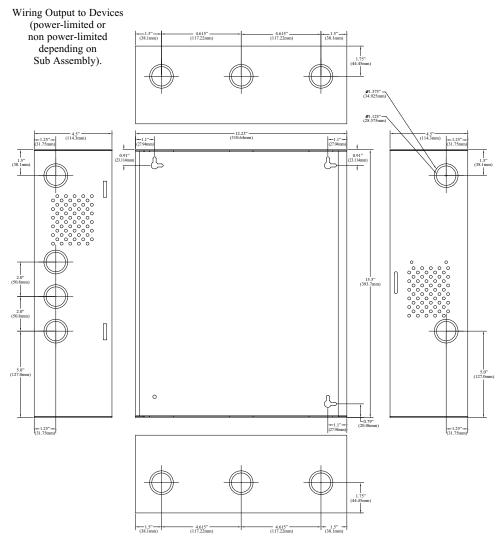
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Fig. 13 - eFlow3NX, eFlow4NX, eFlow6NX, eFlow102NX and eFlow104NX.



Enclosure Dimensions (H x W x D) (approximate):

15.5"x 12.23"x 4.5" (393.7mm x 304.8mm x 114.3mm)



Enclosure for models: AL300ULXD, AL600ULXD, AL1012ULX, AL1024ULX, AL1024ULXR, eFlow3NX, eFlow4NX, eFlow6NX, eFlow102NX, eFlow104NX.

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Altronix is not responsible for any typographical errors.



