

BC750

Access Power and Control Enclosure for
Maximal Fit Series

Installation Guide



More than just power.™

Rev. 071020

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____



Overview:

Altronix BC750 accommodates various combinations of Altronix power supplies and accessories for access systems.

Specifications:

Features:

- 16 Gauge enclosure with ample knockouts for convenient access.
- Includes: tamper switch, cam lock and mounting hardware.

Battery Backup:

- Accommodates up to four (4) 12VDC/12AH batteries.

Enclosure Dimensions (H x W x D):

20.5" x 16.5" x 6.25" (520.7mm x 419.1mm x 158.8mm).

Installation Instructions:

1. Mark and predrill holes in the wall to line up with the top two keyholes in the enclosure. Install two upper fasteners and screws in the wall with the screw heads protruding. Place the enclosure's upper keyholes over the two/three upper screws; level and secure. Mark the position of the lower holes. Remove the enclosure. Drill the lower holes and install the two fasteners. Place the enclosure's upper keyholes over the two upper screws. Install two lower screws and make sure to tighten all screws (*Enclosure Dimensions*, pg. 16).
2. Mount included UL Listed tamper switch (Altronix Model TS112 or equivalent) in desired location, opposite hinge. Slide the tamper switch bracket onto the edge of the enclosure approximately 2" from the right side (*Fig. 1*, pg. 2). Connect tamper switch wiring to the Access Control Panel input or the appropriate UL Listed reporting device. To activate alarm signal open the door of the enclosure.
3. Fasten spacers (provided) to pems that match the hole pattern for Altronix Power Supply/Chargers, Transformers or Sub-Assembly boards (positions (A), (B), (C), (D) and (E) (*Fig. 2*, pg. 2).
4. Mount boards to spacers utilizing 5/16" pan head screws (provided) (*Fig. 2a*, pg. 2).
5. For detailed information about installing and connecting Altronix sub-assemblies refer to the individual Installation Guides listed in the **Compatible Power Supplies and Sub-Assemblies Chart**, pg. 3.

Fig. 1

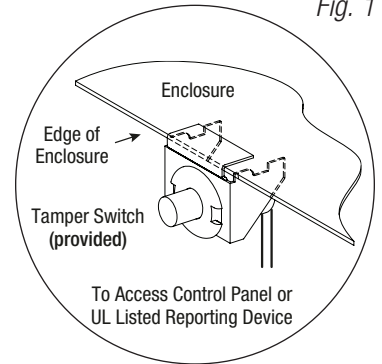


Fig. 2

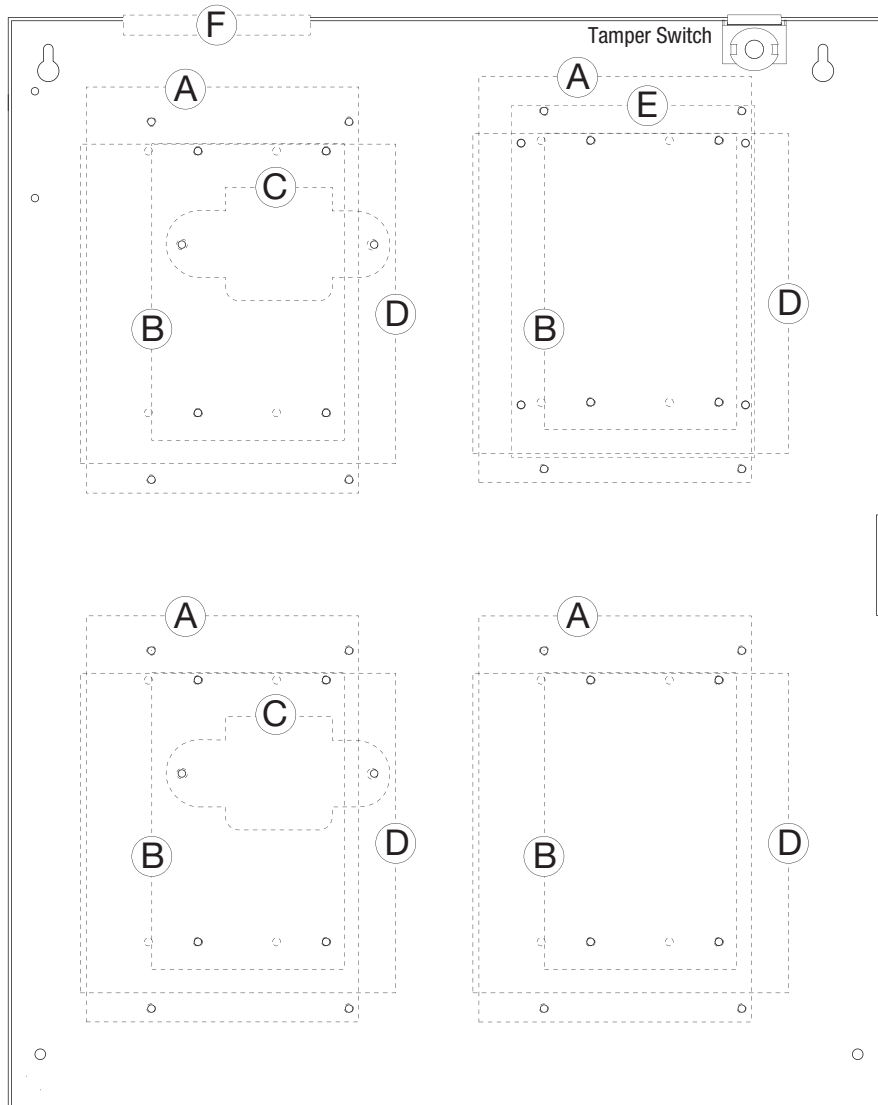
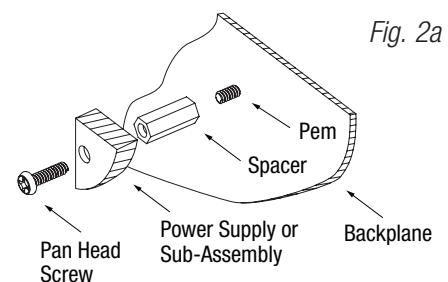


Fig. 2a



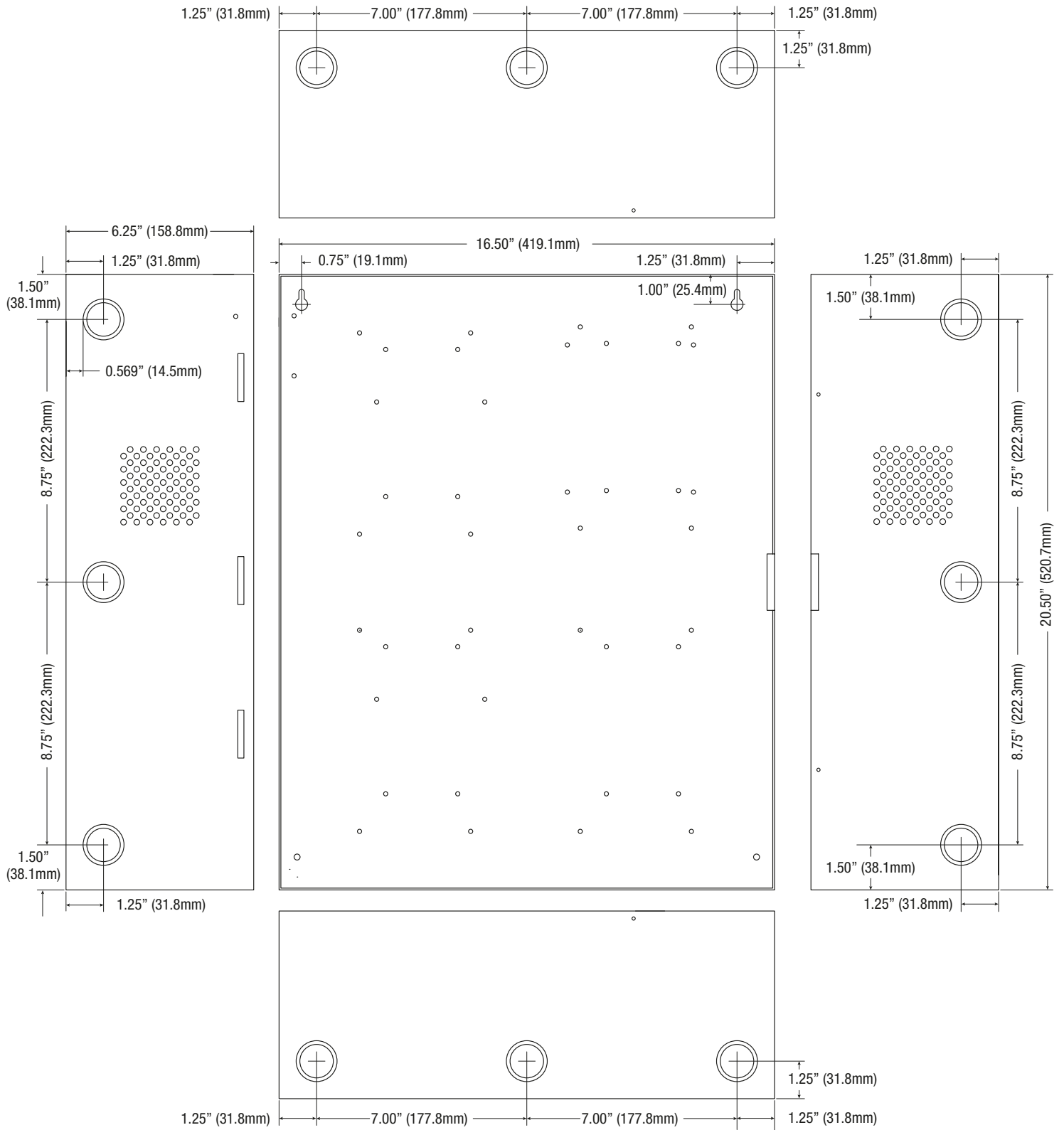
Compatible Power Supplies and Sub-Assemblies Chart:

Altronix Power Supplies				
Altronix Model Number	Pem Mounting	Input Rating	Output Rating	Refer To:
eFlow4NB*	Ⓐ	120VAC, 60Hz, 3.5A	12VDC or 24VDC @ 4A	eFlow Installation Guide Rev. EFNB-021319
eFlow6NB*		120VAC, 60Hz, 3.5A	12VDC or 24VDC @ 6A	
eFlow102NB*		120VAC, 60Hz, 3.5A	12VDC @ 10A	
eFlow104NB*		120VAC, 60Hz, 4.5A	24VDC @ 10A	
Tango1B		PoE up to 90W	12VDC up to 6A (72W) and/or 24VDC up to 3A (72W)	Tango1B Installation Guide Rev. TANGO-071119
PoE201**		115VAC, 60 Hz, 2.5A or 230VAC, 50/60 Hz, 1.3A	56VDC @ 2.2A (120W)	PoE201 Installation Guide Rev. 01162017
PoE60**		115VAC, 60 Hz, 2.5A or 230VAC, 50/60 Hz, 1.3A	56VDC @ 1.3A (75W) <i>Charger for LiFePO₄ batteries</i>	PoE60 Installation Guide Rev. 12242018
VR6	Ⓑ	24VDC @ 1.75A or 3.5A	5VDC or 12VDC @ 6A	VR6 Installation Guide Rev. 050517
AL175ULB		24VAC, 40VA Class 2 transformer	12VDC or 24VDC @ 1.75A	AL175ULB Installation Guide Rev. 081601
AL176ULB		28VAC, 56VA Class 2 transformer	12VDC or 24VDC @ 1.75A	AL176ULB Installation Guide Rev. 081701
Altronix Transformers				
Altronix Model Number	Pem Mounting	Input Rating	Output Rating	Refer To:
T12100	Ⓒ	115VAC, 50/60Hz, 1A	12VAC @ 8.3A	T12100 Installation Guide Rev. 051512
T16100		115VAC, 50/60Hz, 0.5A	16VAC @ 6.25A	T16100 Installation Guide Rev. 051612
T2428100		115VAC, 50/60Hz, 1A	24 @ 4A or 28VAC @ 3.5A	T2428100 Installation Guide Rev. 051612
Altronix Sub-Assemblies				
Altronix Model Number	Pem Mounting	Description	Refer To:	
LINQ8ACM(CB)	Ⓐ	Networked 8 Fused (or PTC) Output Access Power Controller	LINQ8ACM(CB) Installation Guide Rev. 100219	
ACMS8(CB)		8 Fused (or PTC) Dual Input Access Power Controller	ACMS8(CB) Installation Guide Rev. 073019	
ACM8(CB)		8 Fused (or PTC) Output Access Power Controller	ACM8(CB) Installation Guide Rev. 031819	
LINQ8PD(CB)	Ⓑ	Networked 8 Fused (or PTC) Output Power Distribution Module	LINQ8PD(CB) Installation Guide Rev. 012918	
ACM4(CB)		4 Fused (or PTC) Output Access Power Controller	ACM4(CB) Installation Guide Rev. 052819	
MOM5		5 PTC Output Power Distribution Module w/Fire Alarm Interface	MOM5 Installation Guide Rev. 020119	
PD4UL(CB)		4 Fused (or PTC) Output Power Distribution Module	PD4UL Installation Guide Rev. 020119 PD4ULCB Installation Guide Rev. 020119	
PD8UL(CB)		8 Fused (or PTC) Output Power Distribution Module	PD8UL Installation Guide Rev. 020119 PD8ULCB Installation Guide Rev. 020119	
PDS8(CB)		8 Fused (or PTC) Dual Input Power Distribution Module	PDS8/PDS8CB Installation Guide Rev. 070116	
PD16W(CB)		16 Fused (or PTC) Output Power Distribution Module	PD16W/PD16WCB Installation Guide Rev. 020119	
LINQ2*	Ⓓ	Network Communication Module	LINQ2 Installation Guide Rev. 060514	
Altronix Ethernet over Fiber PoE+ Switches				
Altronix Model Number	Pem Mounting	Description	Refer To:	
NetWaySP3B**	Ⓔ	Single 1G Fiber SFP, 3 port 10/100/1000 (2 ports PoE/PoE+ 60W Hi-PoE & 1 port PoE/PoE+)	NetWaySP3 Installation Guide Rev. 020917	
NetWay4EB**		Single 1G Fiber SFP, 4 port 10/100 PoE/PoE+, configurable for 2x 60W Hi-PoE	NetWay4EWP Installation Guide Rev. 090616	
NetWaySP4B**		Dual 1G Fiber SFP, 4x 10/100/1000 PoE/PoE+, configurable for 2x 60W Hi-PoE	NetWaySP4 Installation Guide Rev. 032917	
NetWaySP8B**		Dual 1G Fiber SFP, 2 ports 10/100/1000 PoE/PoE+, configurable for 2x 60W Hi-PoE & 6 ports 10/100 PoE/PoE+	NetWaySP8 Installation Guide Rev. 032117	

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

** Altronix NetWay Spectrum Switches are compatible with PoE201 and PoE60 power supplies.

BC750 Enclosure Dimensions: 20.5" x 16.5" x 6.25" (520.7mm x 419.1mm x 158.8mm)



Altronix is not responsible for any typographical errors.

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MEMBER

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