Altronix®

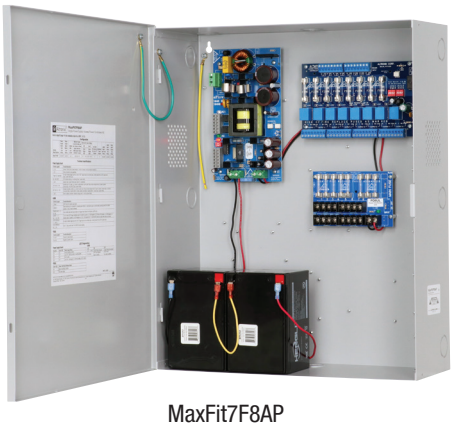
Rev. 01302026

MaxFit7F8AP

Access Power Controller

MAXIMAL FIT

Altronix MaxFit7F8AP Access Power Controller distributes and switches power to access control systems and accessories. It converts a 120VAC, 60Hz input into eight (8) distributed 24VDC fuse protected outputs and eight (8) independently controlled 24VDC fuse protected relay outputs. Fail-Safe/Fail-Secure power outputs may be converted to dry form "C" contacts. Relays are activated by an open collector sink or normally open (NO) dry trigger input from an Access Control System, Keypad, Push Button, REX PIR, etc. Unit will route power to a variety of access control hardware devices including: Mag Locks, Electric Strikes, Magnetic Door Holders, etc. The FACP Interface enables Emergency Egress, Alarm Monitoring, or may be used to trigger other auxiliary devices. The fire alarm disconnect feature is individually selectable for any or all of the eight (8) relay outputs.



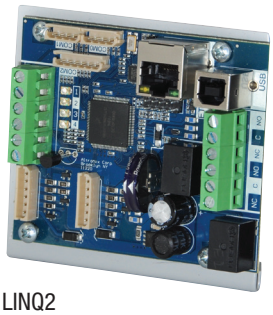
MaxFit7F8AP

Batteries are not included

Key Features

- 24VDC @ 10A power supply/charger
- Supervision
  - AC Fail
  - Low Battery and Battery Presence
  - Low power shutdown
- Outputs:
  - Eight (8) distributed 24VDC fuse protected outputs
  - Eight (8) independently controlled 24VDC fuse protected relay outputs
- Convenient knockout configuration:
  - Twelve (12) double knockouts (1" and 0.75")
- 16 gauge powder-coated steel enclosure simplifies board layout and wire management
- Enclosure accommodates up to four (4) 12VDC/12AH batteries

Accessories (order separately)



LINQ2

LINQ2 - Network Supervision

Altronix LINQ2 Network Communication Module provides remote supervision, control and monitoring over LAN/WAN

- Remotely reports accurate power diagnostics
- Controls power and resets devices
- Reports system diagnostics via Email

LINQ TECHNOLOGY

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Specifications

Power Supply (eFlow104NB):

Input

Voltage	120VAC, 60Hz, 4.5A max.
Input Fuse	6.3A/250V

Outputs

Voltage	24VDC @ 10A
Auxiliary	1A (unswitched).
Protection	Overvoltage protection Filtered and regulated

Battery Charging

Capacity	12AH/12VDC (4 within enclosure) 40AH/65AH (requires separate enclosure)
Type	Sealed lead acid or gel type
Fuse Rating	15A/32V
Failover	Upon AC loss, instantaneous

Batteries are sold separately

Fire Alarm Disconnect

Supervised	Latching or non-latching
EOL	10K Resistor

Supervision

AC Failure	Form "C" contacts
Battery	Form "C" contacts

Low DC Power Shutdown

Shuts down DC output terminals if battery voltage drops below 70-75% for 24V units (depending on the power supply)
Prevents deep battery discharge

Indicators (LED)

Input	120VAC is present
DC Output	Powered
Battery	Discharged or not connected

Power Distribution Module (PD8UL):

Input

Voltage	24VDC from eFlow104NB

Outputs

Voltage	24VDC

Eight (8) fuse protected outputs
3.5A per output max.

Output Fuses	3.5A/250V

Indicators (LED)

Green LED	DC Output

Access Power Controller (ACM8):

Input

Voltage	24VDC from eFlow104NB
Input Fuse	10A/250V

Outputs

Voltage	24VDC

Eight (8) independently controlled fused outputs:
a) Fail-Safe and/or Fail-Secure power outputs.
Form "C" Relays rated 28VAC or VDC @ 2.5A
b) Auxiliary power outputs (unswitched)
c) Any combination of the above

Output Fuses	3.5A/250V

Indicators (LED)

Red LEDs	Outputs are triggered (relays energized)
Green LED	FACP disconnect is triggered

MaxFit7F8AP:

Physical and Environmental

Dimensions (H x W x D)

Enclosure:
20.5" x 16.5" x 6.25" (520.7 mm x 419.1 mm x 158.8 mm)
Shipping:
24.75" x 20.25" x 7.875" (628.7mm x 514.4mm x 200mm)
Enclosure accommodates up to four (4)) 12VDC/12AH batteries

Weight (approx.)

Product:	26.9 lb. (12.2 kg)
Shipping:	32.9 lb. (14.9 kg)

Temperature

Operating:	0ºC to 49ºC (32ºF to 120ºF)
Storage:	– 20ºC to 70ºC (– 4ºF to 158ºF)

Relative Humidity	85% +/– 5%
BTU/Hr (approx.)	145 BTU/Hr.

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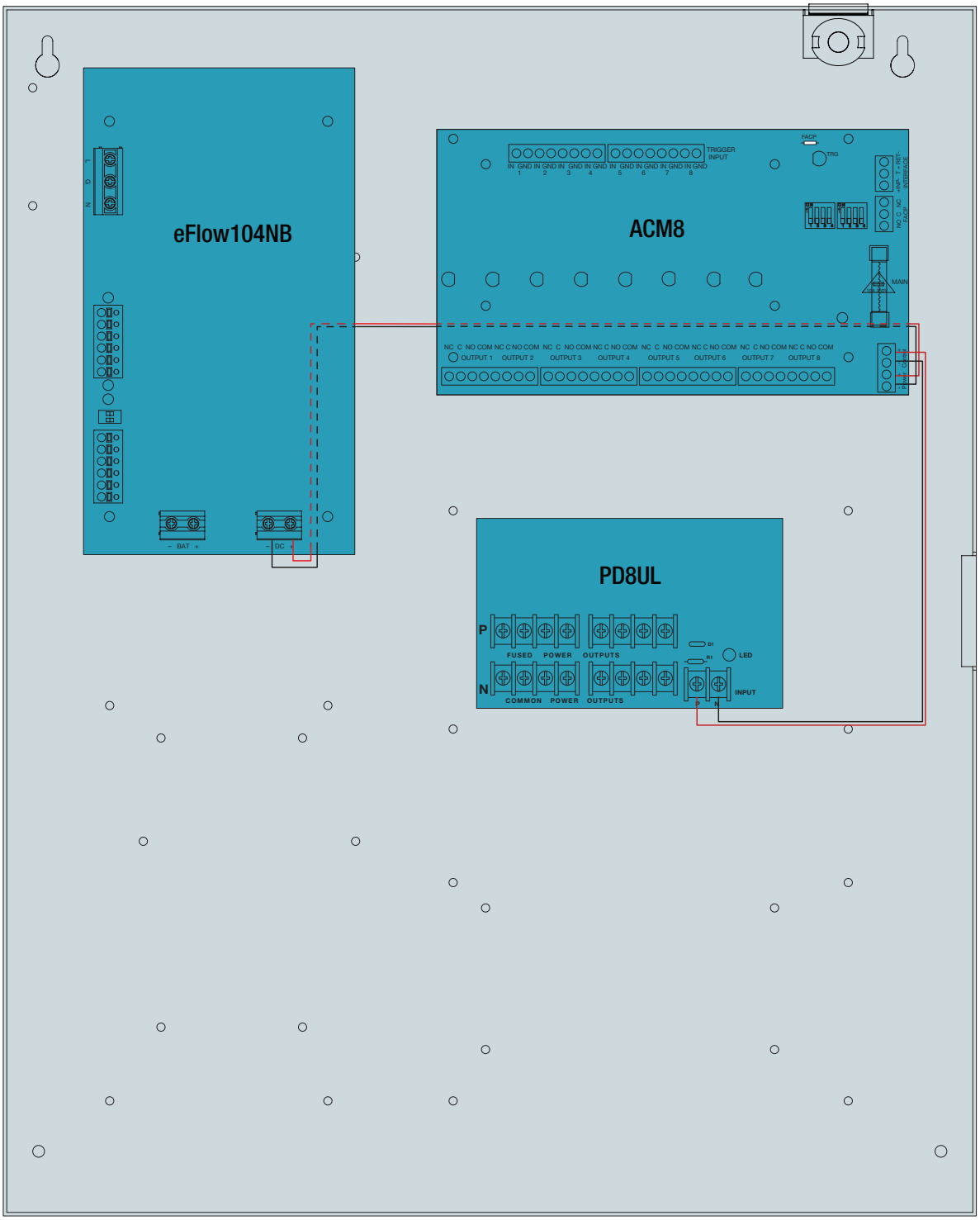
Sub-Assembly Layout:



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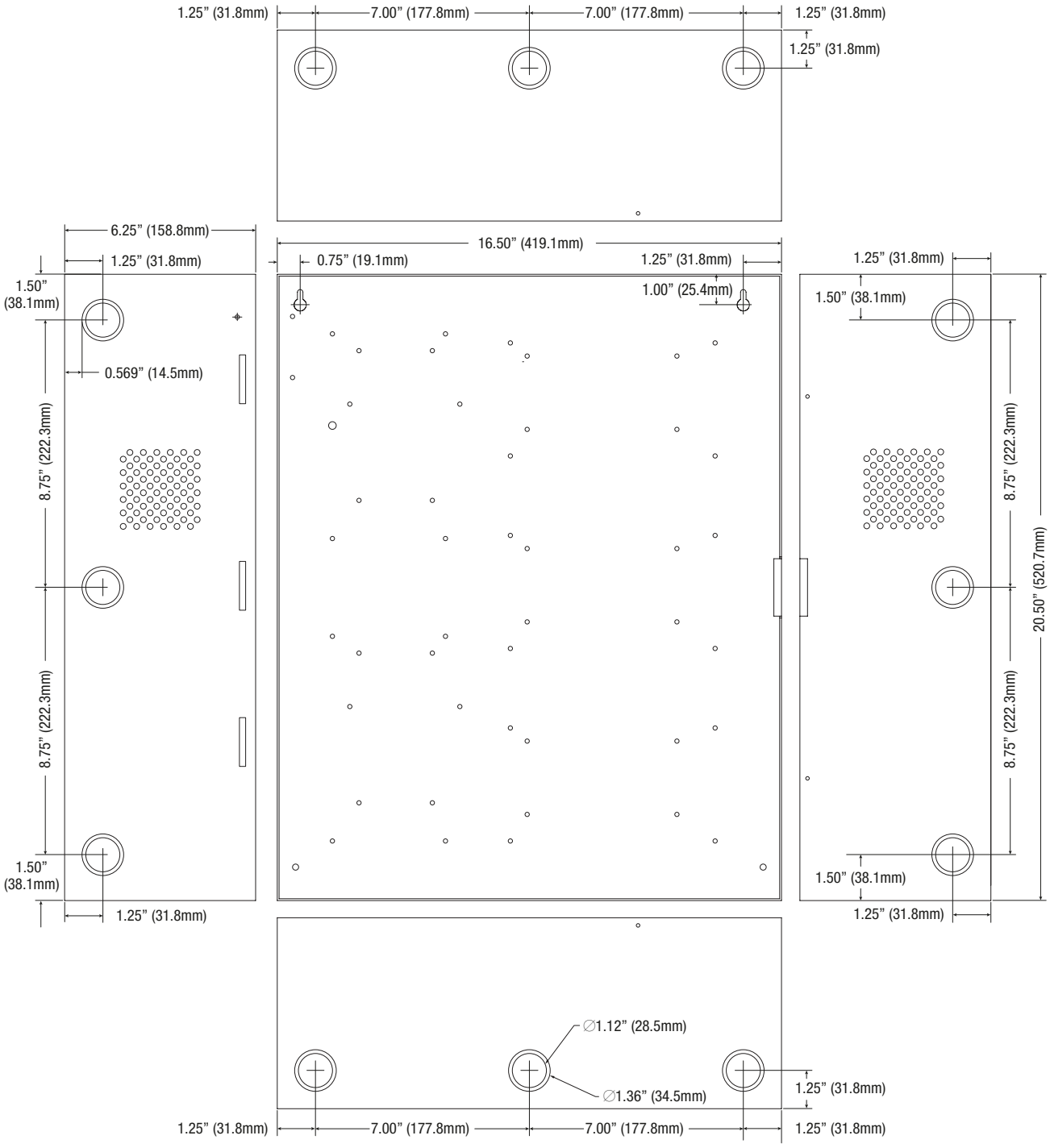
Dimensions and Drawing

Dimensions (H x W x D approximate)

20.5” x 16.5” x 6.25” (520.7mm x 419.1mm x 158.8mm)



Lifetime Warranty

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