Altronix®

MaxFit7F8APS
Access Power Controller

MAXIMAL *FIT*

Altronix MaxFit7F8APS Access Power Controller distributes and switches power to access control systems and accessories. It converts a 120VAC, 60Hz input into eight (8) distributed 12VDC or 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.

MaxFit7F8APS

Key Features

- 24VDC @ 10A power supply/charger

- Supervision
  - AC Fail
  - Low Battery and Battery Presence
  - Low power shutdown

- Outputs:
  - Eight (8) distributed 12VDC or 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 AWG powder-coated steel enclosure simplifies board layout and wire management

- Enclosure accommodates up to four (4) 12VDC/12AH batteries

Accessories (order separately)
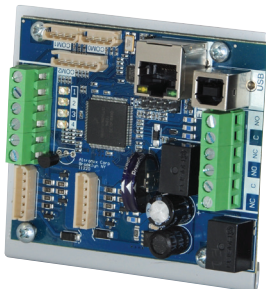
LINQ2 - Network Supervision
Altronix LINQ2 Network Communication Module provides remote supervision, control and monitoring over LAN/WAN
- Remotely reports accurate power diagnostics
- Controls power and resets devices
- Reports system diagnostics via Email

LINQ2

LINQ™ TECHNOLOGY

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

Dual Input Power Distribution Module (PDS8):

Input
Voltage	24VDC from eFlow104NB and 12VDC from VR6
Input Fuses	10A/32V

Outputs
Voltage	12VDC and/or 24VDC

Any of the eight (8) power outputs are selectable to follow power Input 1 or Input 2
Individual outputs may be set to OFF position for servicing

Outputs Ratings
Fuses	3A/32V

Indicators (LED)
DC Output Eight (8) individual output LEDs
Green:	12VDC
Red:	24VDC

Voltage Regulator (VR6):

Input
Voltage	24VDC from eFlow104NB

Output
Voltage	12VDC
Current	6A continuous
Other	Surge suppression

Indicators (LED)
Input	24VDC is present
Output	Powered

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

MaxFit7F8APS:

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:	27.3 lb. (12.4 kg)
Shipping:	33.6 lb. (15.2 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.

Sub-Assembly Layout:

eFlow104NB

PDS8/ VR6

ACM8
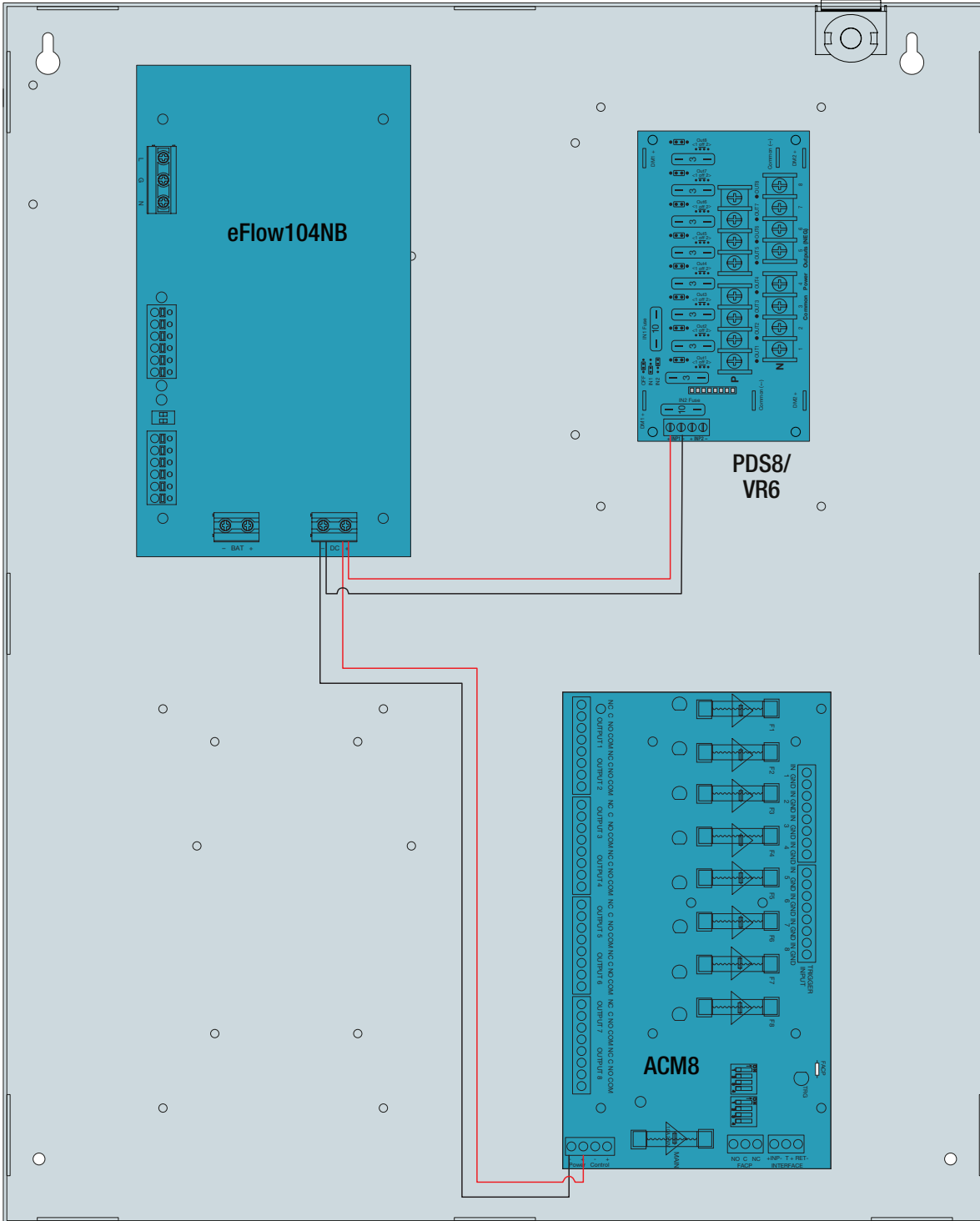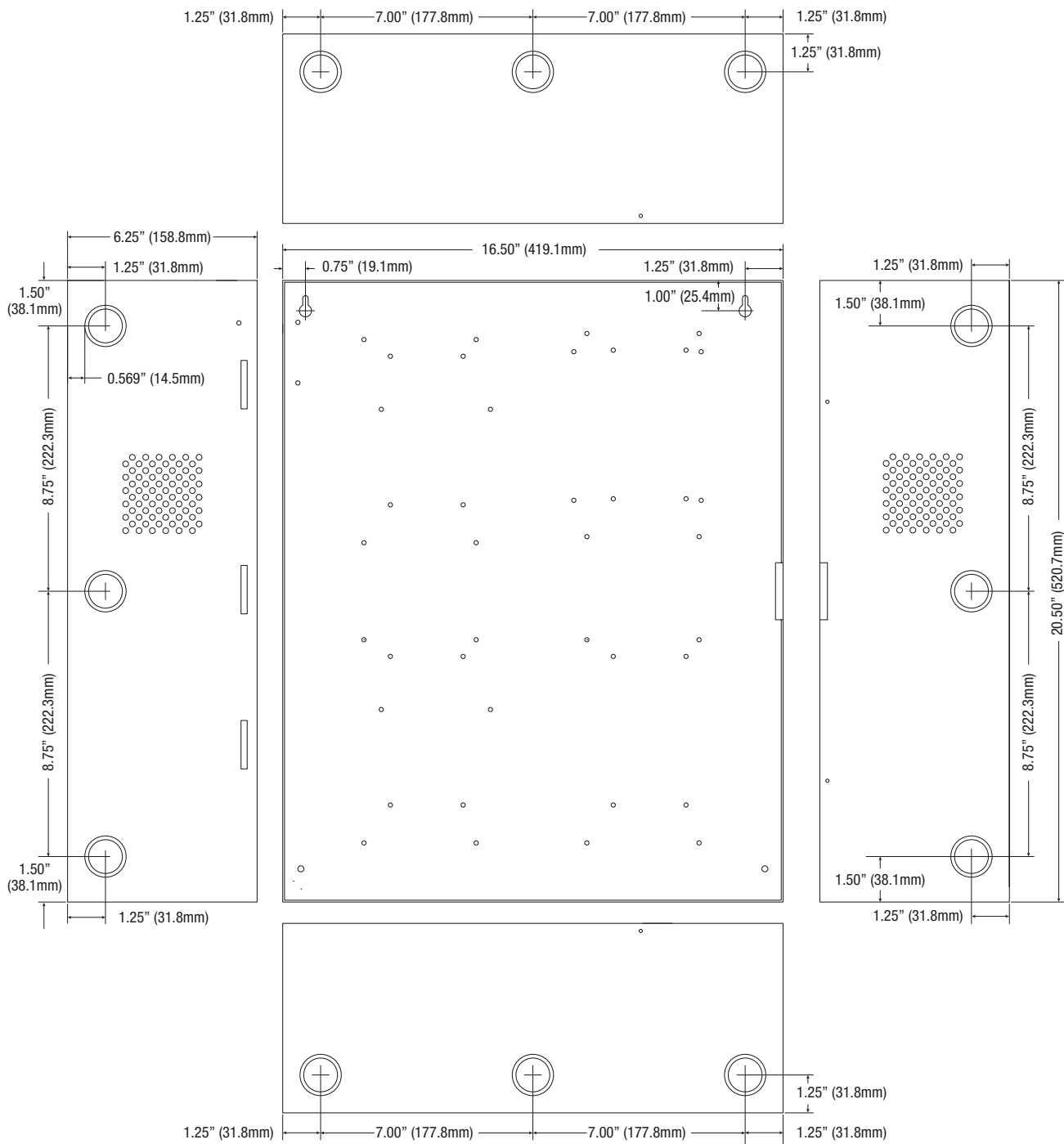
Dimensions and Drawing

Dimensions (H x W x D approximate)
20.5" x 16.5" x 6.25" (520.7mm x 419.1mm x 158.8mm)

1.25" (31.8mm) — 7.00" (177.8mm) — 7.00" (177.8mm) — 1.25" (31.8mm)

1.25" (31.8mm)

6.25" (158.8mm)

1.25" (31.8mm)

16.50" (419.1mm)

0.75" (19.1mm)   1.25" (31.8mm)

1.25" (31.8mm)

1.50" (38.1mm)

1.50" (38.1mm)

1.00" (25.4mm)

0.569" (14.5mm)

8.75" (222.3mm)

8.75" (222.3mm)

8.75" (222.3mm)

8.75" (222.3mm)

20.50" (520.7mm)

1.50" (38.1mm)

1.50" (38.1mm)

1.25" (31.8mm)

1.25" (31.8mm)

1.25" (31.8mm) — 7.00" (177.8mm) — 7.00" (177.8mm) — 1.25" (31.8mm)

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