

MaxFit5F8AP

Access Power Controller



Altronix MaxFit5F8AP Access Power Controller distributes and switches power to access control systems and accessories. It converts a 120VAC, 60Hz input into eight (8) distributed 12VDC fuse protected outputs and eight (8) independently controlled 12VDC 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.

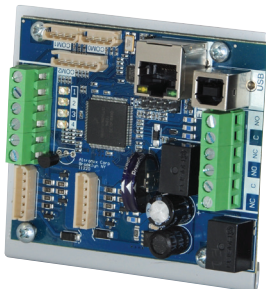


MaxFit5F8AP

Key Features

- 12VDC @ 10A power supply/charger
- Supervision
 - AC Fail
 - Low Battery and Battery Presence
 - Low power shutdown
- Outputs:
 - Eight (8) distributed 12VDC Fused protected outputs
 - Eight (8) independently controlled 12VDC 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

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



Lifetime Warranty

Specifications

Power Supply (eFlow102NB):

Input

Voltage 120VAC, 60Hz, 3.5A max.
Main Fuse 5A/250V

Output

Voltage 12VDC
Current 10A continuous
Auxiliary Class 2 power-limited @ 1A (unswitched)
Other 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 10A/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 71-73% for 12V units. Prevents deep battery discharge

Indicators (LED)

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

Power Distribution Module (PD8UL):

Input

Voltage 12VDC from eFlow102NB

Outputs

Voltage 12VDC
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 12VDC from eFlow102NB
Input Fuse 10A/250V

Outputs

Voltage 12VDC
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

MaxFit5F8AP:

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

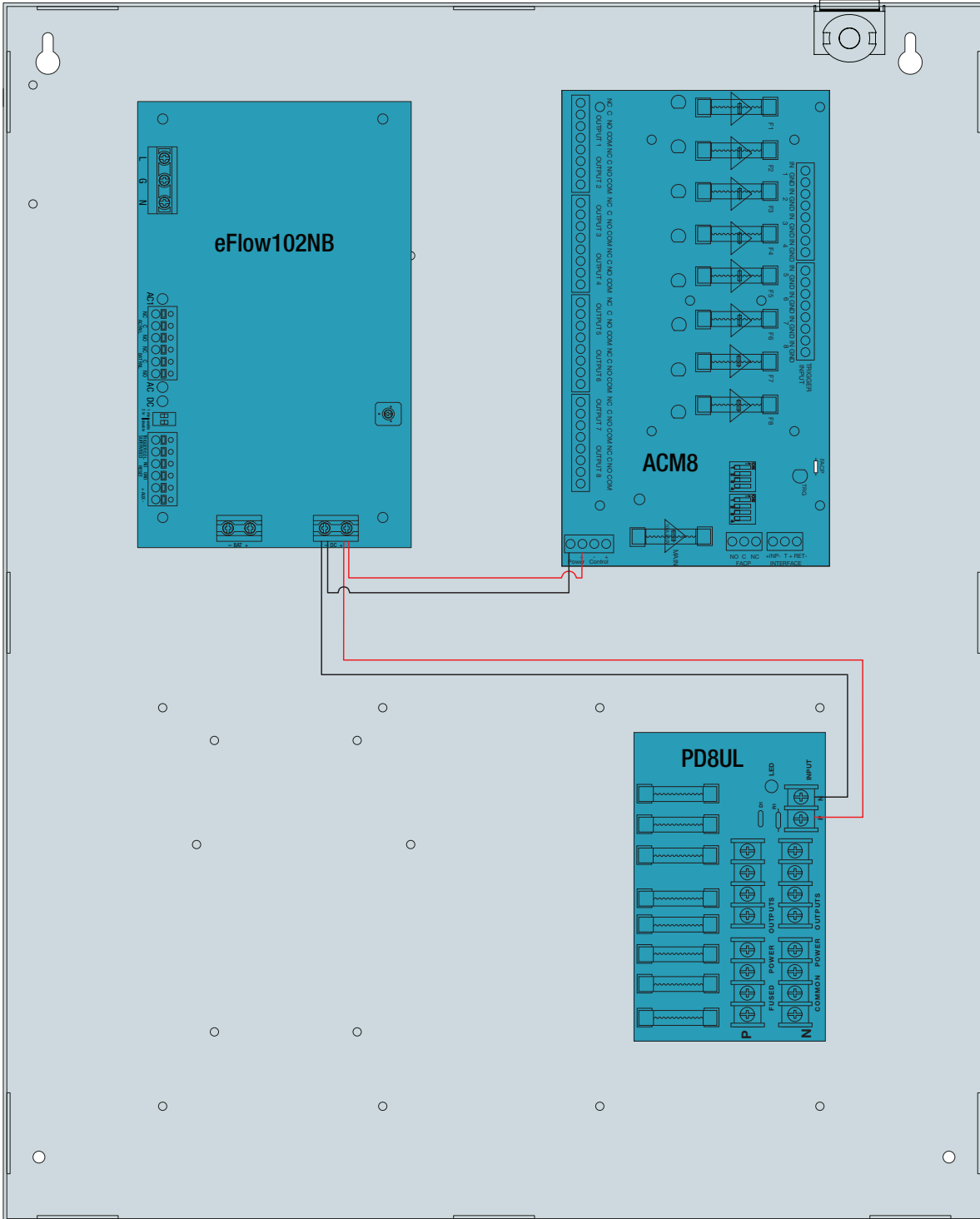
Operating: 0°C to 49°C (32°F to 120°F)
Storage: - 20°C to 70°C (- 4°F to 158°F)

Relative Humidity 85% +/- 5%

BTU/Hr (approx.) 65 BTU/Hr.

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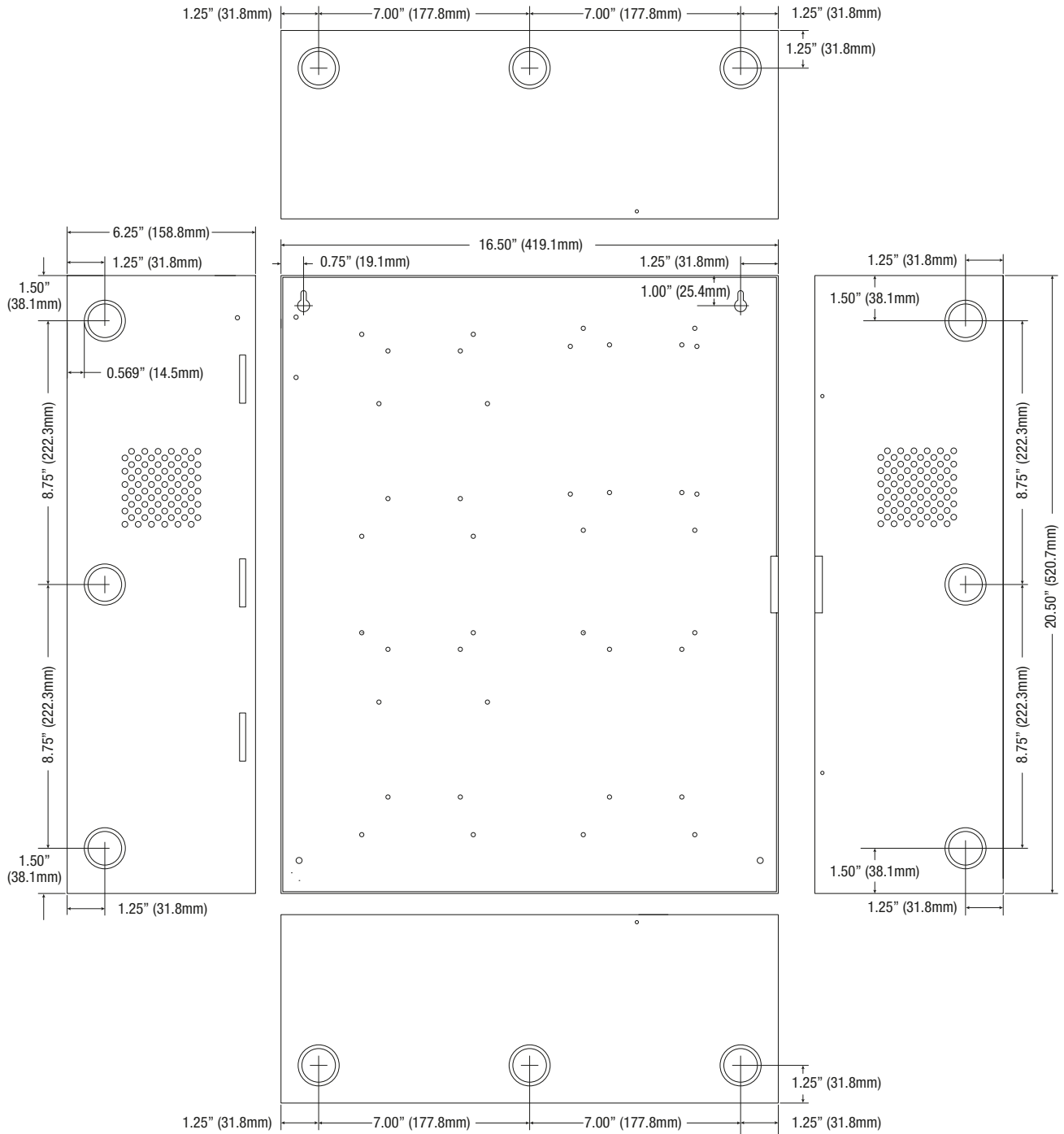
Sub-Assembly Layout:



Lifetime Warranty

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