Altronix®

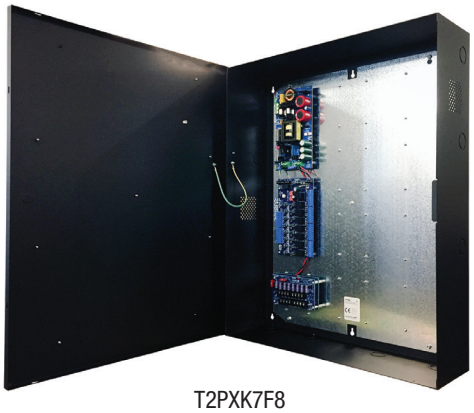
Rev. 02042022

T2PXK7F8

Access & Power Integration Solution

TROVE™

Altronix T2PXK7F8 kit consists of Trove2 enclosure, TPX2 Paxton/Altronix backplane with one (1) 24VDC @ 10A power supply/charger, one (1) fuse protected eight (8) output access power controller and one (1) fuse protected eight (8) dual output power distribution module and one (1) voltage regulator. This kit also accommodates Paxton Net2 Plus boards for up to eight (8) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



T2PXK7F8

Paxton

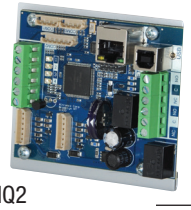
** Paxton boards are not included*

Key Features

- 24VDC @ 10A power supply charger
- Accommodates the following Paxton modules: Net2 Plus, Paxton10
- Convenient knockout configuration:
  - One (1) single knockout 2.415" (2" Conduit)
  - Sixteen (16) double knockouts 1.362" (1" Conduit) / 1.115" (3/4" Conduit)
- 16 AWG galvanized steel backplane simplifies board layout and wire management
- Supervision
  - AC Fail
- Supervision *(cont'd)*
  - Low Battery and Battery Presence
  - Low power shutdown
- Agency Listings:
  - All Altronix components of this Trove kit are UL Listed sub-assemblies. Please refer to the Sub-Assembly Installation Guides for further information.
    - UL: UL294 - Access Control System
    - cUL: CAN/ULC - s319-05 - Electronic Access Control Systems
  - CE European Conformity
- Enclosure accommodates up to four (4) 12VDC/12AH batteries
- Lifetime Warranty*

**Altronix Power Supply/Chargers and Sub-Assemblies only*

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

WM5

WM5, WM25, WM100 - Magnetic Cable Tie Mounts

Altronix WM5, WM25, and WM100 are packs of 5, 25 or 100 magnetic cable tie mounts respectively. They accommodate standard zip ties or velcro straps. These are ideal for wire management in our Trove series.

Mounting Magnet

MM4, MM8, MM12, MM24 - Magnetic Mounting Solution

Altronix mounting magnets accommodate screws and nylon standoffs to allow for mounting various boards/ accessories in any metal enclosure or backplane.

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Specifications

eFlow104NB Power Supply:

Input

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

Output

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

Battery Backup

Type	Sealed lead acid or gel type
Fuse Rating	10A / 32VDC
Failover	Upon AC loss, instantaneous

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)

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

ACM8 Access Power Controller:

Input

Voltage	24VDC from eFlow104NB
Main Fuse	10A / 32V

Outputs

Voltage 12VDC

Eight (8) 24VDC 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 / 32VDC

Indicators (LED)

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

VR6 Voltage Regulator:

Input/Output

Voltage Range 24VDC @ 10A = Output: 12VDC @ 6A

Output

12VDC regulated output
Output rating 6A max.
Surge suppression

Indicators (LED)

Input	Indicates input voltage is present
Output	Indicates normal operating condition

PDS8 Dual Output Power Distribution Module:

Input

Voltage Range
5VDC to 24VDC, up to 10A each, 20A total input

Main Fuse Rating 10A

Outputs

Fuse protected outputs rated @ 3A per output, non power-limited. Total output 20A max.
Do not exceed the individual power supply ratings.
Any of the eight (8) fuse protected power outputs are selectable to follow power Input 1 or Input 2.
Individual outputs may be set to OFF position for servicing.

Outputs Ratings: 4.8VDC - 24VDC.

Indicators (LED)

DC Output Individual voltage LEDs indicate 12VDC (Green) or 24VDC (Red/Green)

Features

Multiple units may be daisy-chained to accommodate larger systems.

T2PXK7F8 Kit:

Agency Listings

CE European Conformity.

Physical and Environmental

Dimensions (H x W x D)
27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm).

Weight (approx.)

Product	51.5 lb. (23.36 kg)
Shipping	54.5 lb. (24.72 kg)

Temperature

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

Relative Humidity 85% +/-5%

BTU/Hr (approx.): 113 BTU/Hr.

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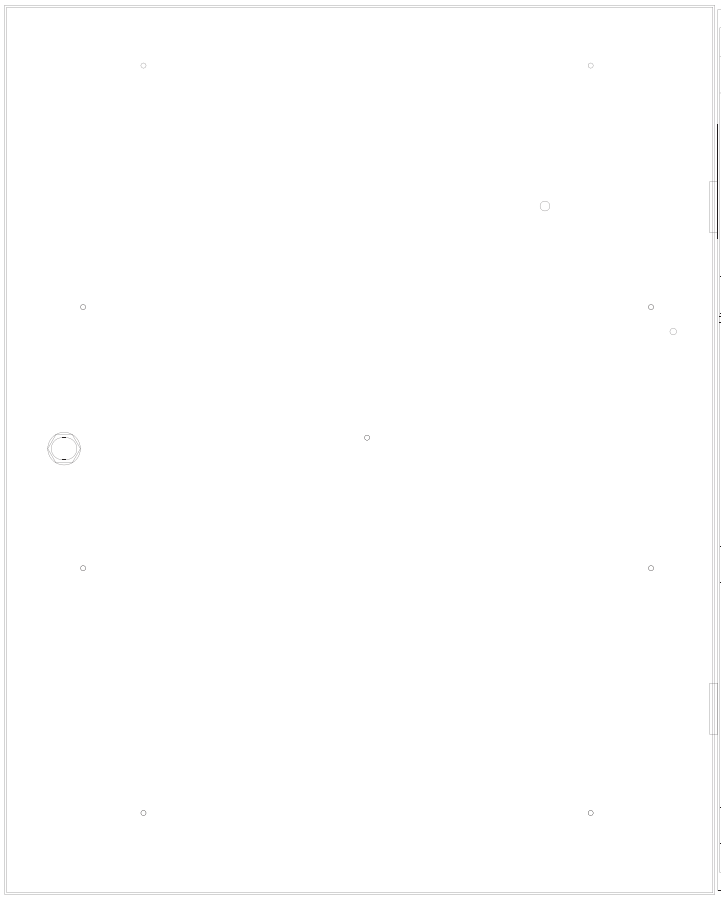
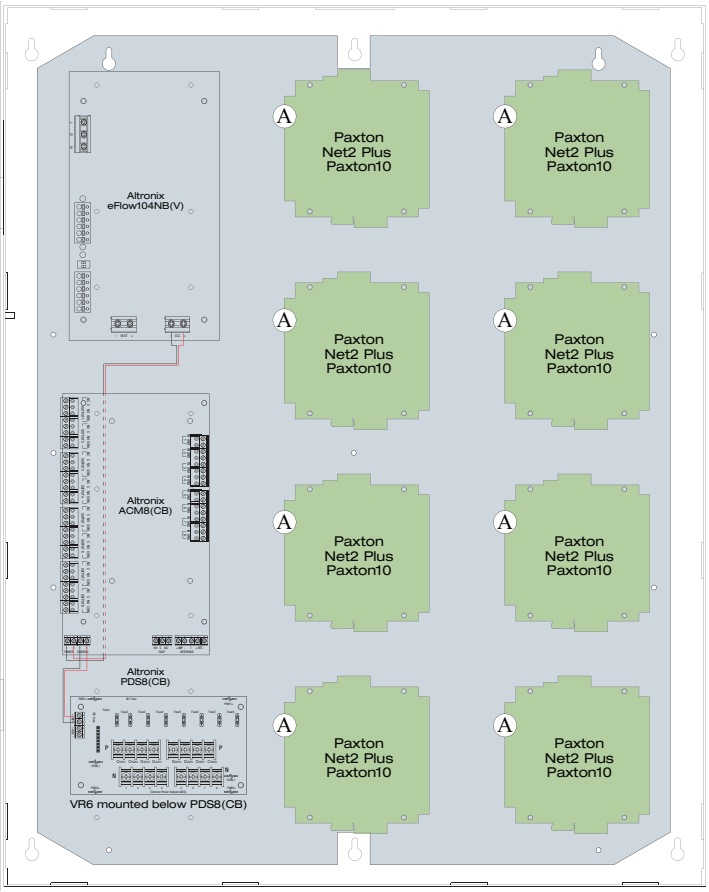
Access Controller Position Chart for the Following Models:

Paxton	Pem Mounting
Net2 Plus, Paxton10	(A)





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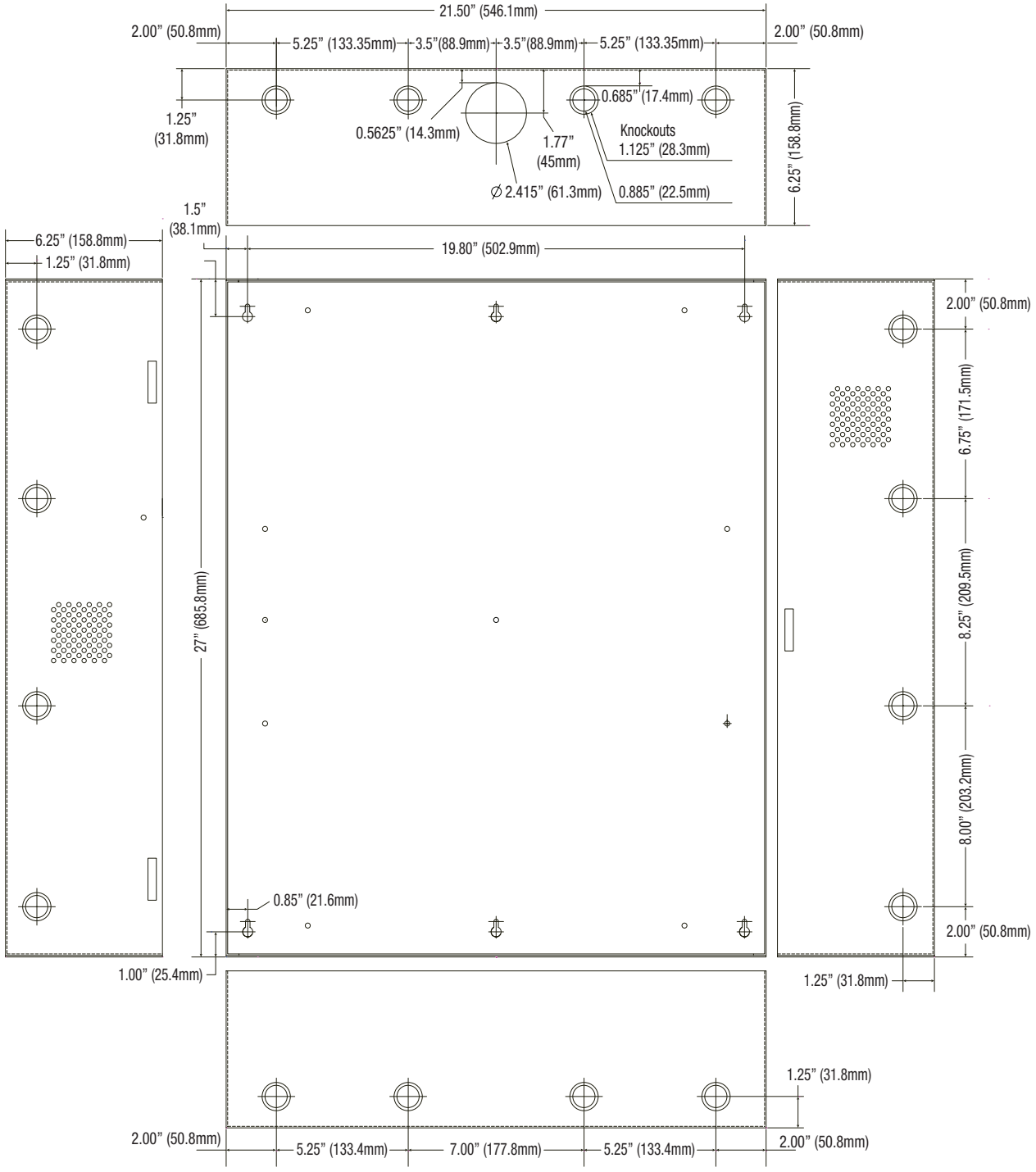
Dimensions and Drawing

Dimensions (H x W x D approximate)

27.25” x 21.5” x 6.5” (692.2mm x 546.1mm x 165.1mm)