TROVE™

Altronix®

T2PXK7F8
Access & Power Integration Solution

Description

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 boards not included

Paxton

Key Features

- 24VDC @ 10A power supply charger.

- Accommodates the following Paxton module Net2 Plus.

- 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.

- Eight (8) Fail-Safe/Fail-Secure outputs.

- Agency Listings:
    - 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* / Made in the U.S.A.

*Altronix Power Supply/Chargers and Sub-Assemblies only

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

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.

WM5

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.

Mounting Magnet

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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 lbs. (23.36 kg).
Shipping	54.5 lbs. (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	Ⓐ

Altronix
eFlow104NB(V)

Altronix
ACM8(CB)

Altronix
PDS8(CB)

VR6 mounted below PDS8(CB)

Ⓐ Paxton
Net2 Plus

Ⓐ Paxton
Net2 Plus

Ⓐ Paxton
Net2 Plus

Ⓐ Paxton
Net2 Plus

Ⓐ Paxton
Net2 Plus

Ⓐ Paxton
Net2 Plus

Ⓐ Paxton
Net2 Plus

Ⓐ Paxton
Net2 Plus

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