



Access & Power Integration Solution

Description

Altronix T2HNK7F8 kit consists of Trove2 enclosure, THN2 Honeywell NetAXS/ Altronix backplane with one (1) 24VDC @ 10A power supply/charger, one (1) fused access power controller, one (1) voltage regulator and one (1) dual input fused power distribution module.

This kit also accommodates various combinations of Honeywell NetAXS boards for up to eight (8) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.





Honeywell boards sold separately

Key Features .

- 24VDC power supply/charger.
- Accommodates the following Honeywell NetAXS modules:
 - Up to two (2) NX4PCB access control panels.
 - Up to four (4) NetAXS-123 access control panels.
 - Up to four (4) NXD1 or NXD2 add-on boards to NetAXS-123.
 - Up to four (4) NX4IN or NX4OUT boards.
- 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 - 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, 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.



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.



T2HNK7F8

Altronix®

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Specifications -

Power Supply (eFlow104NB):

Input

Voltage 120VAC, 60Hz, 4.5A max.

Input Fuse 6.5A/250V.

Outputs

Voltage 24VDC.

Current 10A continuous.

Auxiliary Class 2 power-limited @ 1A (unswitched).

Other Overvoltage protection. Filtered and regulated.

Battery Backup (not included)

Type Sealed lead acid or gel type.

Fuse Rating 10A/32V.

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 70-75% for 24V units. Prevents deep battery discharge.

Indicators (LED)

Input 120VAC is present.

DC Output Powered.

Dual Input Power Distribution Module (PDS8):

Input

Voltage 12VDC from VR6 and 24VDC from eFlow104NB.

Input Fuse 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.

T2HNK7F8 Kit:

Agency Listings

All components of this Trove kit are UL Listed sub-assemblies.

Please refer to the corresponding Sub-Assembly Installation Guides for

further information.

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 54.3 lb. (24.6 kg). Shipping 59.3 lb. (26.9 kg).

Temperature

Operating 0°C to 50°C (32°F to 122°F). Storage -20°C to 70°C (-4°F to 158°F).

Relative Humidity 85% +/-5%. BTU/Hr (approx.): 128 BTU/Hr.

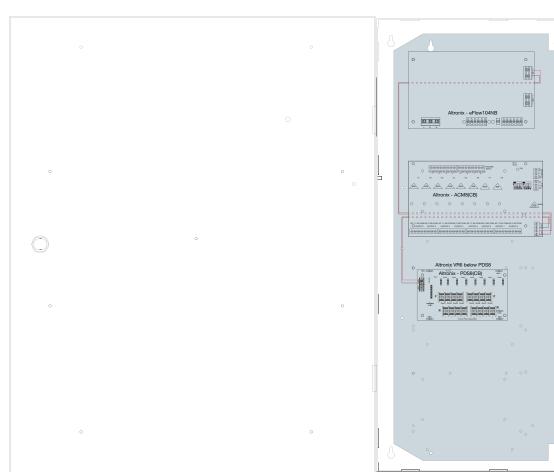


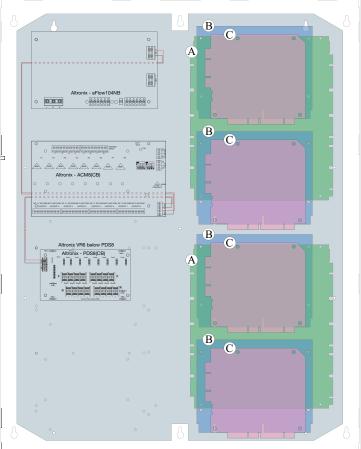


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Access Controller Position Chart for the Following Models:

Honeywell NetAXS	Pem Mounting
NX4PCB	A
NX4IN, NX4OUT	B
NetAXS-123 (with optional NXD1 or NXD2)	C









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