TROVE™

T1PHK3F8
Access & Power Integration Solution

Altronix®

Description

Altronix T1PHK3F8 kit consists of Trove1 enclosure, TC1 Openpath/Altronix backplane with one (1) 12VDC or 24VDC @ 6A power supply/charger, one (1) fused access power controller. This kit also accommodates up to one (1) Openpath Core, Elevator Board, 4-Port or 8-Port modules for up to eight (8) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.

T1PHK3F8

Key Features

- 12VDC or 24VDC power supply/charger.
- Accommodates up to one (1) Openpath OP-ACC, OP16EM, and one (1) OP-EX-4E or OP-X-8E modules.
- Convenient knockout configuration:
  - One (1) double knockout
    1.948" (1-1/2" Conduit) / 1.701" (1-1/4" Conduit).
  - Nine (9) 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
  - Low Battery and Battery Presence
  - Low power shutdown.
- Agency Listings:
  - UL: UL294 - Access Control System.
  - cUL: CAN/ULC - s319-05 - Electronic Access Control Systems.
  - CE European Conformity.
- Enclosure accommodates up to two (2) 12VDC/7AH batteries.
- Lifetime Warranty* / Made in the U.S.A.

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

Power Supply (eFlow6NB):

Input

Voltage	120VAC, 60Hz.
Input Fuse	5A/250V.

Output

Voltage	24VDC.
Current	6A continuous.
Other	Overvoltage protection.
	Filtered and regulated.

Battery Backup

Capacity	7AH/12VDC (Up to 2 within enclosure).
	40 AH/65 AH (requires separate enclosure).
Type	Sealed lead acid or gel type.
Fuse Rating	10A/32V.
Failover	Upon AC loss, instantaneous.

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.

Access Power Controller (ACM8):

Input

Voltage	24VDC from eFlow6NB.
Input Fuse	10A/250V.

Outputs

Voltage	24VDC.

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/250V.

Indicators (LED)

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

T1PHK3F8 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)
   18" x 14.5" x 4.62" (457.2mm x 368.3mm x 118.0mm).

Weight (approx.)

Product	15.5 lb. (7.0 kg).
Shipping	19.5 lb. (8.9 kg).

Temperature

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

Relative Humidity	85% +/-5%.

BTU/Hr (approx.):

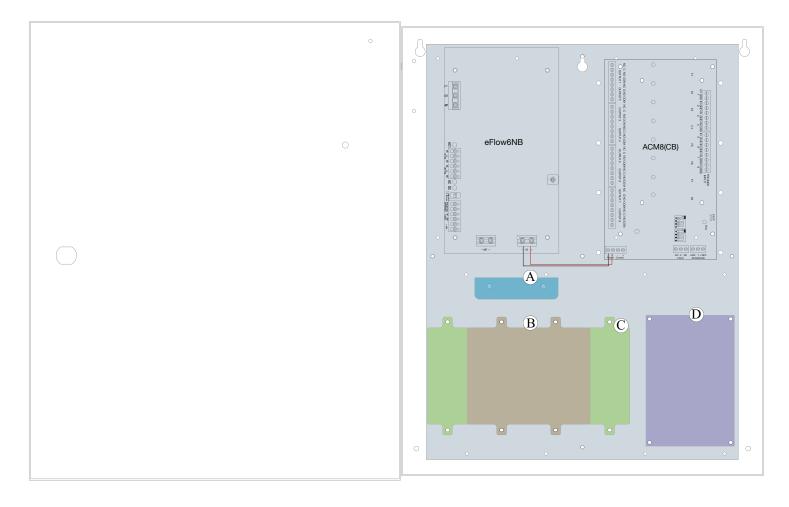   12VDC: 40 BTU/Hr.
   24VDC: 77 BTU/Hr.

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Access Controller Position Chart for the Following Models:

Openpath	Pem Mounting
OP-ACC	Ⓐ
OP-EX-4E	Ⓑ
OP-EX-8E	Ⓒ
OP-16EM	Ⓓ

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