

# T2HCK7F8

## Access & Power Integration Solution

Altronix

**TROVE™**

### Description

Altronix T2HCK7F8 kit consists of Trove2 enclosure and THC2 Hartmann Controls/Altronix backplane with 24VDC @ 10A power supply/charger, 12VDC voltage regulator, eight (8) fuse protected output dual voltage power distribution module and eight (8) fuse protected output access control module. This kit also accommodates up to two (2) PRS\_MASTER and eight (8) PRS\_TDM, PRS\_IO8 modules for up to sixteen (16) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



*Hartmann Controls boards sold separately*

### Key Features

- 24VDC power supply/charger.
- Accommodates up to one (1) PRS\_MASTER and eight (8) PRS\_TDM or PRS\_IO8 modules.
- 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 two (2) 12VDC/7AH batteries.
- Lifetime Warranty\*.

*\*Altronix Power Supply/Charger 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 (eFlow104NB):

##### Input

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

##### Outputs

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 70-75% for 24V units (depending on the power supply).  
Prevents deep battery discharge.

#### Indicators (LED)

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

#### 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.
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#### Indicators (LED)

DC Output	Eight (8) individual output LEDs.
Green:	12VDC
Red:	24VDC.

#### Voltage Regulator (VR6):

##### Input

Voltage	24VDC from eFlow104NB.
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##### 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 eFlow104NBV.
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.
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#### Indicators (LED)

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

#### T2HCK7F8 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.
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#### 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	41.3 lb. (18.2 kg).
Shipping	45.05 lb. (19.9 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%.
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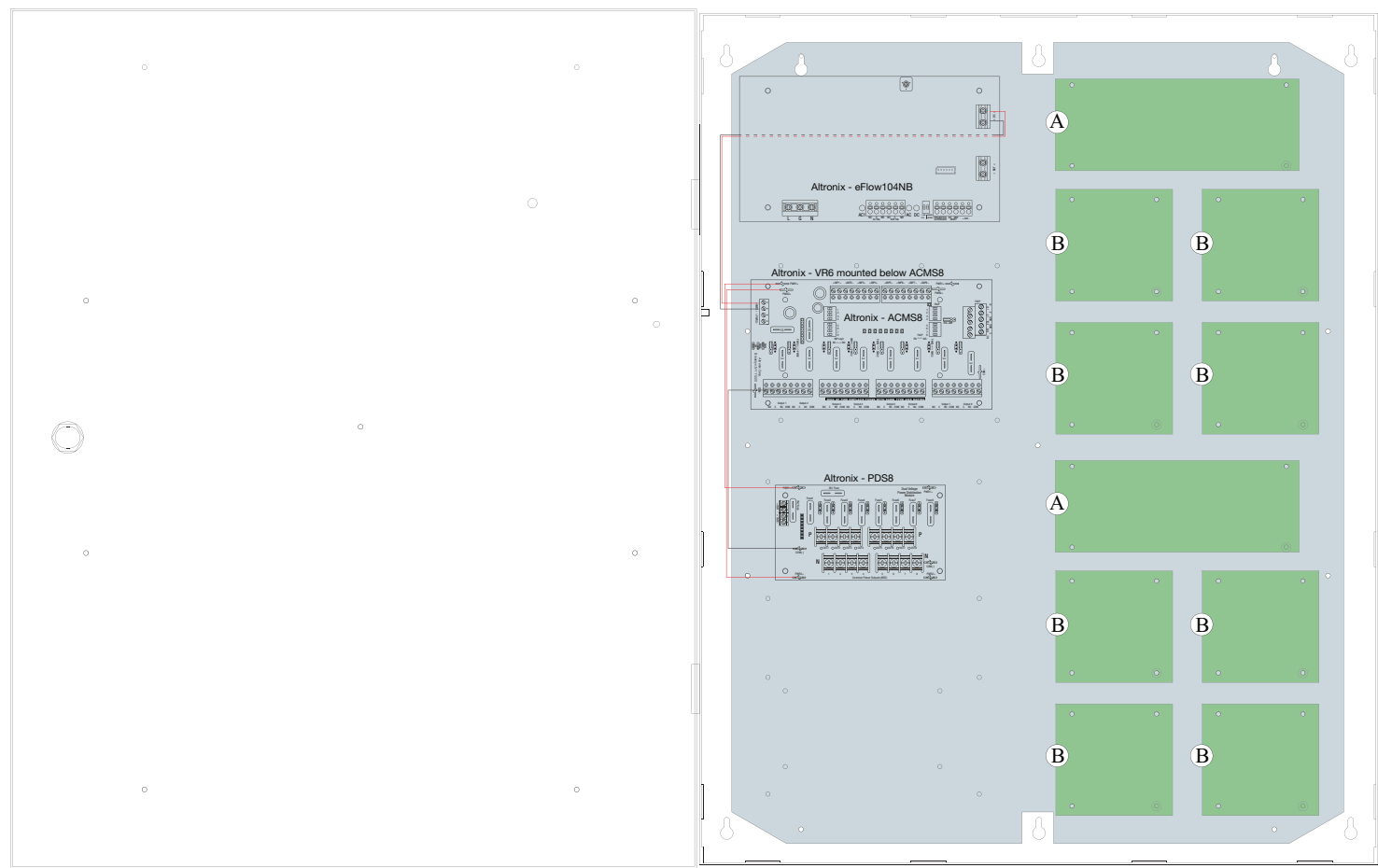
BTU/Hr. (approx.):	184 BTU/Hr.
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Access Controller Position Chart for the Following Models:

Hartmann Controls	Pem Mounting
PRS_MASTER	(A)
PRS_TDM, PRS_I08	(B)



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