

Access & Power Integration

Altronix/Honeywell Wired Kits

Models Include:

T2HW7CK1

8 Door Kit with Fused Outputs

Accommodates one (1) Intelligent Controller and three (3) Dual Reader Modules.

T2HW7CK3

8 Door Kit with Fused Outputs

Accommodates up to four (4) Dual Reader Modules.

Each fully assembled kit includes:

- Trove2 enclosure with THW2 Altronix/Honeywell backplane
- One (1) eFlow104NB - Power Supply/Charger
- One (1) ACMS8 - Dual Input/Output Fuse Protected Access Power Controller
- One (1) VR6 - Voltage Regulator
- One (1) PDS8 - Dual Input/Output Fuse Protected Power Distribution Module
- One (1) RSB1 - Rocker Switch Bracket with One (1) Rocker Switch (Not evaluated by UL)
- Wire harnesses and wire magnets

T2HW7CK1D

8 Door Kit with PTC Outputs

Accommodates one (1) Intelligent Controller and three (3) Dual Reader Modules.

T2HW7CK3D

8 Door Kit with PTC Outputs

Accommodates up to four (4) Dual Reader Modules.

Each fully assembled kit includes:

- Trove2 enclosure with THW2 Altronix/Honeywell backplane
- One (1) eFlow104NB - Power Supply/Charger
- One (1) ACMS8CB - Dual Input/Output PTC Protected Access Power Controller
- One (1) VR6 - Voltage Regulator
- One (1) PDS8CB - Dual Input/Output PTC Protected Power Distribution Module
- One (1) RSB1 - Rocker Switch Bracket with One (1) Rocker Switch (Not evaluated by UL)
- Wire harnesses and wire magnets

Please refer to the included corresponding Sub-Assembly Installation Guides for further information.

Installation Guide



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Rev. T2HW7CK_041824

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____



Overview:

Altronix Trove Plus kits are pre-wired, pre-assembled and consist of Trove2HW2 enclosure/backplane with factory installed Altronix power supply/charger and sub-assemblies, wire harnesses and magnets.

Configuration Chart:

Altronix Model Number	120VAC 60Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Nominal DC Output Voltage		Maximum Supply Current for Main and Aux. Outputs on Power Supply board and ACMS8(CB) Access Power Controller's outputs	Fail-Safe/Fail-Secure or Dry Form "C" Outputs	Current Per ACMS8(CB) and PDS8(CB) Output (A)	ACMS8(CB) Board Input Fuse (PTC) Rating	ACMS8(CB) Board Output Fuse (PTC) Rating	PDS8(CB) Board Input Fuse (PTC) Rating	PDS8(CB) Board Output Fuse (PTC) Rating
				[DC]	[Aux]							
				Output Range (VDC)	Output Range (VDC)							
T2HW7CK1	4.5	6.3A/250V	15A/32V	20.17-26.4	20.28-26.4	24VDC @ 9.4A	8	2.5	15A/32V	3A/32V	10A/32V	3A/32V
T2HW7CK3												
T2HW7CK1D								2.0	9A	2.5A	9A	2.5A
T2HW7CK3D												

Hardware and Accessories:

- One(1) tamper switch (Altronix Model TS112 or equivalent).
- Cam lock.
- Battery leads.

Mechanical:

- 16 Gauge enclosure with ample knockouts for convenient access.
- Enclosure Dimensions (H x W x D): 27.25" x 21.75" x 6.5" (692.2mm x 552.5mm x 165.1mm).

Installation Instructions:

Wiring methods shall be in accordance with the National Electrical Code/NFPA 70/ANSI, and with all local codes and authorities having jurisdiction. Product is intended for indoor use only.

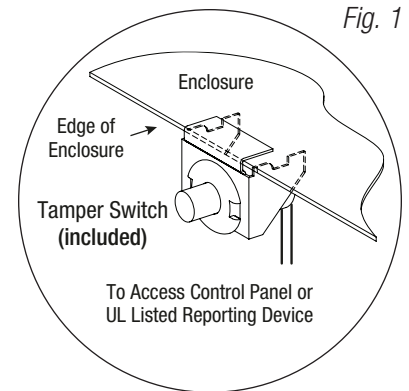
1. Remove backplane from enclosure. Do not discard hardware.
2. Mark and predrill holes in the wall to line up with the top three keyholes in the enclosure. Install three upper fasteners and screws in the wall with the screw heads protruding. Place the enclosure's upper keyholes over the three upper screws, level and secure. Mark the position of the lower three holes. Remove the enclosure. Drill the lower holes and install the three fasteners. Place the enclosure's upper keyholes over the three upper screws. Install the three lower screws and make sure to tighten all screws.
3. Mount included UL Listed tamper switch (Altronix Model TS112 or equivalent) in desired location, opposite hinge. Slide the tamper switch bracket onto the edge of the enclosure approximately 2" from the right side (*Fig. 1, pg. 2*). Connect tamper switch wiring to the Access Control Panel input or the appropriate UL Listed reporting device. To activate alarm signal open the door of the enclosure.
4. Connect unswitched AC power (120VAC 60Hz) to RSB1. Use 14 AWG or larger for all power connections. Secure green wire lead to earth ground. Green "AC" LED on power supply board will turn on. This light can be seen through the LED lens on the door of the enclosure.

Keep power-limited wiring separate from non power-limited wiring (120VAC 60Hz Input, Battery Wires). Minimum 0.25" spacing must be provided.

CAUTION: Do not touch exposed metal parts. Shut branch circuit power before installing or servicing equipment. There are no user serviceable parts inside.

Refer installation and servicing to qualified service personnel.

5. Measure voltage before connecting devices. This helps avoiding potential damage.
6. Refer to the *eFlowNB Power Supply/Charger Installation Guide* for eFlow104NB and corresponding *Sub-Assembly Installation Guides* for VR6, PDS8(CB) and ACMS8(CB) for further installation instructions.
7. Position Honeywell access controller modules over corresponding spacers and depress onto snap on spacers (*Fig. 2, pg. 3*).
8. Connect wire harnesses to Honeywell access controller modules (*Fig. 2-3, pg. 3-4*).
9. Mount backplane to enclosure with hardware.



1. Position access controller module over corresponding spacers and depress onto snap on spacers (*Fig. 2, pg. 3*).
2. Mount backplane to enclosure with hardware.

Honeywell Access Controller	Pem Mounting
PW7K1IC / PRO42IC	(A)
PW7K1R2 / PRO42R2	(B) (C) (D)

The diagram illustrates the internal wiring of a control cabinet. The components and their connections are as follows:

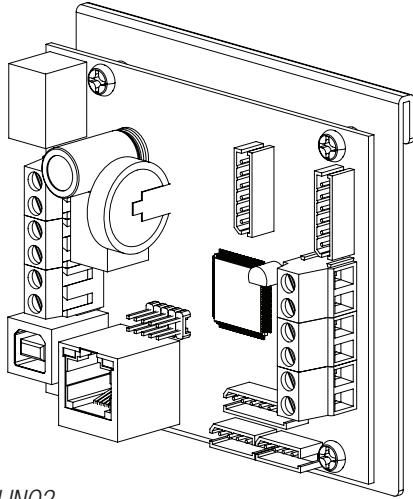
- Altronix eFlow104NB**: Located at the top left, it provides the main power supply to the system.
- Altronix ACMS8(CB)**: A central control module located in the middle left. The **Altronix VR6** is mounted underneath it.
- Altronix PDS8(CB)**: A power distribution module located at the bottom left, which manages the power output to the other modules.
- Altronix PW7K1R2 PRO42R2**: Three identical modules labeled (A), (B), and (C) are located on the right side of the cabinet. Each module has a terminal block with the following labels: TMR, GND, PFL, IN6, IN7, IN8, IN9, IN10, IN11, IN12, IN13, IN14, IN15, IN16, IN17, IN18, IN19, IN20, IN21, IN22, IN23, IN24, IN25, IN26, IN27, IN28, IN29, IN30, IN31, IN32, IN33, IN34, IN35, IN36, IN37, IN38, IN39, IN40, IN41, IN42, IN43, IN44, IN45, IN46, IN47, IN48, IN49, IN50, IN51, IN52, IN53, IN54, IN55, IN56, IN57, IN58, IN59, IN60, IN61, IN62, IN63, IN64, IN65, IN66, IN67, IN68, IN69, IN70, IN71, IN72, IN73, IN74, IN75, IN76, IN77, IN78, IN79, IN80, IN81, IN82, IN83, IN84, IN85, IN86, IN87, IN88, IN89, IN90, IN91, IN92, IN93, IN94, IN95, IN96, IN97, IN98, IN99, IN100, IN101, IN102, IN103, IN104, IN105, IN106, IN107, IN108, IN109, IN110, IN111, IN112, IN113, IN114, IN115, IN116, IN117, IN118, IN119, IN120, IN121, IN122, IN123, IN124, IN125, IN126, IN127, IN128, IN129, IN130, IN131, IN132, IN133, IN134, IN135, IN136, IN137, IN138, IN139, IN140, IN141, IN142, IN143, IN144, IN145, IN146, IN147, IN148, IN149, IN150, IN151, 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1. Position access controller module over corresponding spacers and depress onto snap on spacers (*Fig. 3, pg. 4*).
2. Mount backplane to enclosure with hardware.

Honeywell Access Controller	Pem Mounting
PW7K1R2 / PRO42R2	(A) (B) (C) (D)



eFlow Power Supply/Chargers can be Controlled and Monitored while Reporting Power/Diagnostics from Anywhere over the Network...



LINQ2

LINQ™

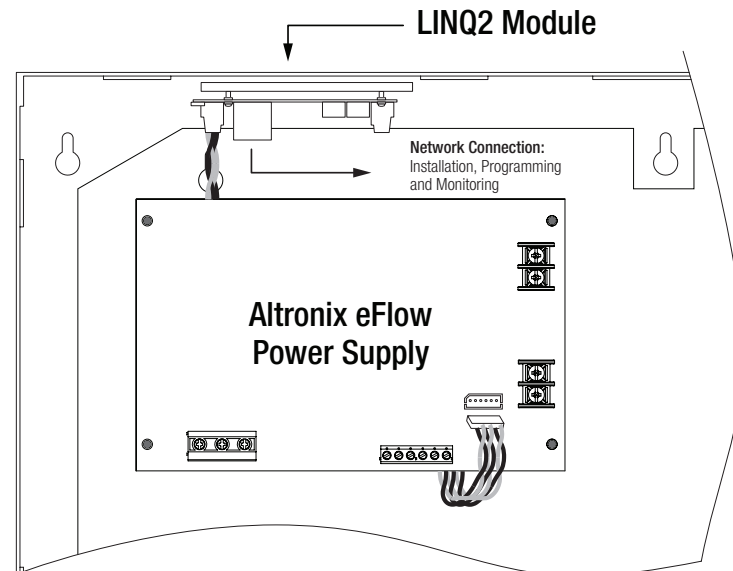
LINQ2 - Network Communication Module

LINQ2 provides remote IP access to real-time data from eFlow power supply/chargers to help keep systems up and running at optimal levels. It facilitates fast and easy installation and set-up, minimizes system downtime, and eliminates unnecessary service calls, which helps reduce Total Cost of Ownership (TCO) - as well as creating a new source of Recurring Monthly Revenue (RMR).

Features:

- UL Listed in the U.S. and Canada.
- Local or remote control of up to (2) two Altronix eFlow power output(s) via LAN and/or WAN.
- Monitor real time diagnostics: DC output voltage, output current, AC & battery status/service, input trigger state change, output state change and unit temperature.
- Access control and user management: Restrict read/write, Restrict users to specific resources
- Two (2) integral network controlled Form "C" Relays.
- Three (3) programmable input triggers: Control relays and power supplies via external hardware sources.
- Email and Windows Dashboard notifications
- Event log tracks history.
- Secure Socket Layer (SSL).
- Programmable via USB or web browser - includes operating software and 6 ft. USB cable.

LINQ2 Mounts Inside any Trove Enclosure

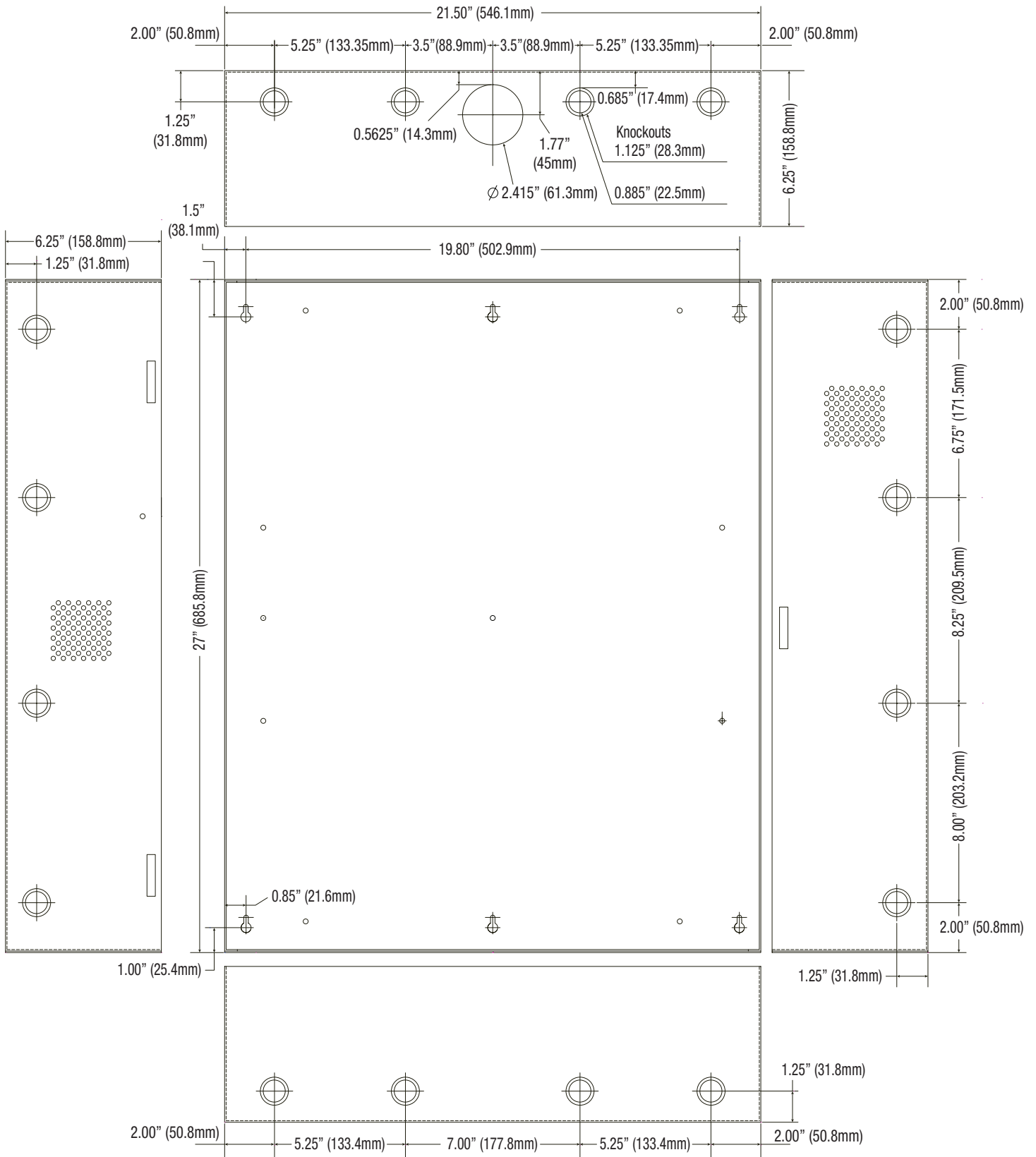


Notes:

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Trove2 Enclosure Dimensions (H x W x D approximate):

27.25" x 21.5" x 6.5" (692.2mm x 552.5mm x 165.1mm)



Altronix is not responsible for any typographical errors. Product specifications are subject to change without notice.

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 IIT2HW7CK Kit Series

D18X

