

## T2HW7LCK3D (Pre-wired Kit)

Access and Power Integration Solution for Honeywell



Altronix T2HW7LCK3D is a 8-door access and power integration kit which includes Altronix power and sub-assemblies along with factory installed wire management and wire assemblies that is pre-configured with terminal blocks for Honeywell ProWatch/WinPak hardware. This unit provides ample power and dual voltage outputs to support Honeywell platform controllers and locking devices. The T2HW7LCK3D accommodates four (4) Dual Reader Modules. Trove Plus simplifies field installations and provides reliable, robust critical power and control for the most demanding applications.



T2HW7LCK3D - includes  
AL1024ULXB2, ACMS8CB, VR6, PDS8CB,  
wire harnesses and wire magnets

*Honeywell modules are not included*

### Key Features

- Accommodates the following Honeywell controllers:
  - 4 - PW7K1R2/PRO42R2
- Convenient knockout configuration:
  - One (1) single knockout - 2" Conduit
  - Sixteen (16) double knockouts - 1/2" Conduit and 3/4" Conduit
- Unit includes:
  - Removable backplane
  - Wire management
  - Custom wire assemblies for power distribution with terminal blocks for controller connections
- 16 gauge galvanized steel backplane simplifies board layout and wire management
- Supervision
  - AC Fail
  - Battery Fail and Battery Presence
- 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/7AH batteries
- Lifetime Warranty\*

*\*Altronix Power Supply/Chargers and Sub-Assemblies only*

## Specifications

### Power Supply (AL1024ULXB2):

#### Input

Voltage	115VAC 60Hz, 4.2A max
Input Fuse	5A/250V

#### Outputs

Voltage	24VDC
Current	10A @ 24VDC continuous max
Other	Overvoltage protection. Filtered and regulated

### Battery Charging

Capacity	12AH/7VDC (4 within enclosure) 40AH/65AH (requires separate enclosure)
Type	Sealed lead acid or gel type
Failover	Upon AC loss, instantaneous
Batteries are sold separately	

### Supervision

AC Failure	Form "C" contacts
Battery	Form "C" contacts

### Indicators (LED)

Input	115VAC is present
DC Output	Powered
Battery	Discharged or not connected

### Dual Input Access Power Controller (ACMS8CB):

#### Input

Voltage	24VDC from AL1024ULXB2 and 12VDC from VR6
Input PTCs	9A

#### Outputs

Voltage	12 or 24VDC individually selectable
Eight (8) selectable 12VDC - 24VDC independently controlled outputs or eight (8) independently controlled Form "C" relay outputs:	
a) Fail-Safe and/or Fail-Secure power outputs	
b) Form "C" Relays. 28VAC or VDC @ 2.5A Rated	
c) Auxiliary power outputs (unswitched)	
d) Any combination of the above	

Any of the eight (8) PTC protected power outputs are selectable to follow power Input 1 or Input 2

Individual outputs may be set to OFF position for servicing

Output PTCs 2.5A

### Indicators (LED)

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

#### Individual voltage LEDs:

Green:	12VDC
Red:	24VDC

### Voltage Regulator (VR6):

#### Input

Voltage	24VDC from AL1024ULXB2
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#### Output

Voltage	12VDC
Current	6A continuous
Other	Surge suppression

### Indicators (LED)

Input	24VDC is present
Output	Powered

### Dual Input Power Distribution Module (PDS8CB):

#### Input

Voltage	24VDC from AL1024ULXB2 and 12VDC from VR6
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Input PTCs 9A

#### 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

Output PTCs 2.5A

### Indicators (LED)

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

### T2HW7LCK3D Kit:

#### Agency Listings

CE	European Conformity
All components of this Trove kit are UL Listed sub-assemblies	
Please refer to the corresponding Sub-Assembly Installation Guides for further information	

### Physical and Environmental:

#### Dimensions (H x W x D)

Enclosure:	27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm)
Shipping:	32.5" x 26.5" x 11.125" (825.5mm x 673.1mm x 282.6mm)

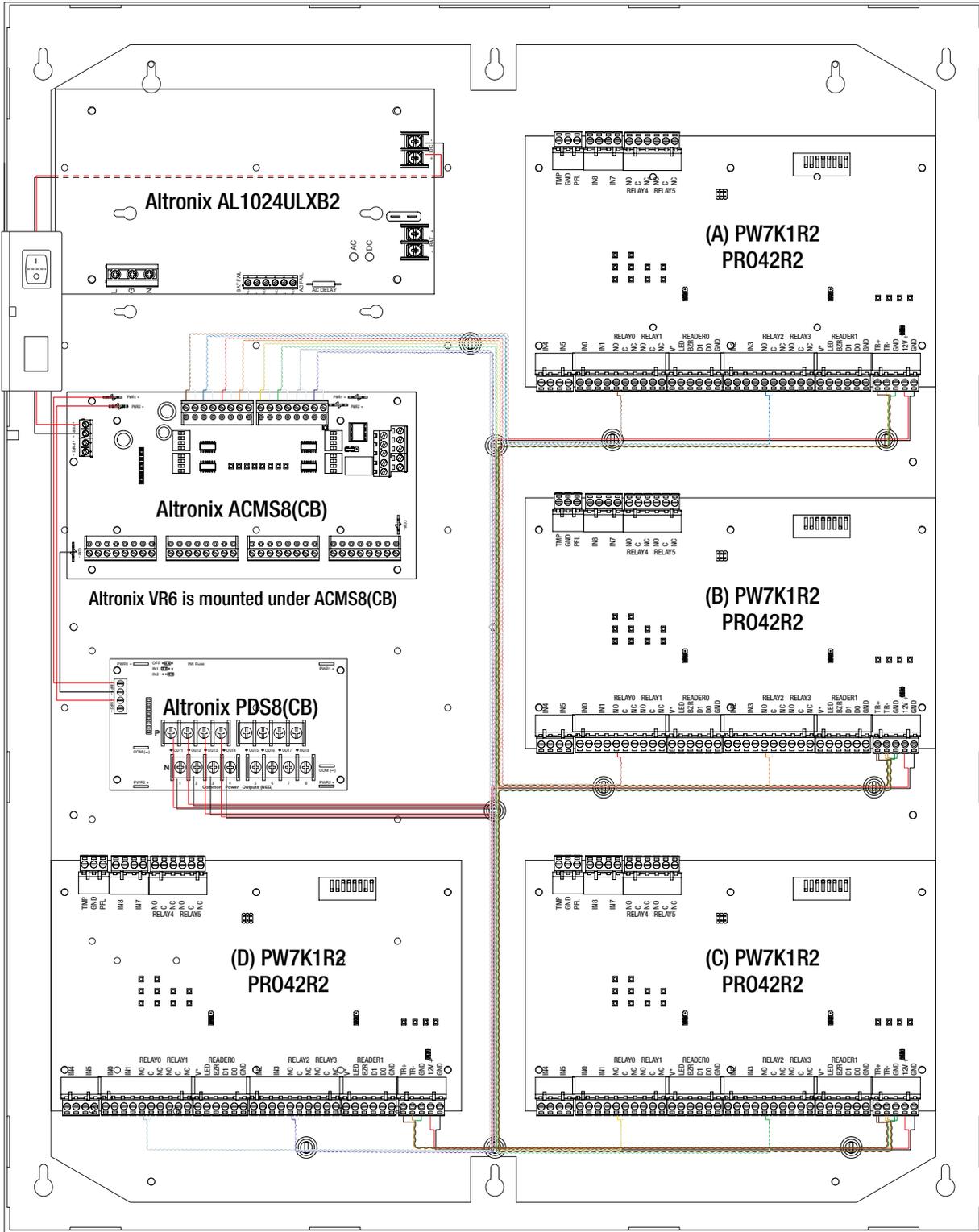
#### Weight (approx.)

Product:	41.6 lb. (18.87 kg)
Shipping:	45.6 lb. (20.68 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%
BTU/Hr. (approx.):	145 BTU/Hr



**Accessories** (order separately)



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.



BR1

**BR1 - Sub-Assembly Mounting Bracket**

Altronix BR1 mounting bracket is compatible with Altronix Maximal and Trove enclosures. It allows to mount one (1) PD4UL(CB), PD8UL(CB), ACM4(CB), MOM5, VR6, PDS8, NetWay5B or LINQ8PD(CB) sub-assembly on the enclosure's inside wall, saving valuable space.

Trove2BWC  
with  
batteries



Trove2BWC  
with  
wires



**TROVE2BWC - Battery/Wire Trough Enclosure**

Altronix Trove2BWC is a dual-purpose enclosure that can be used as wiring trough or battery cabinet when mounted above or below of the Trove2 integrated power and access solution. The knockouts on the Trove2BWC have been strategically placed to line up with the Trove2 allowing for easy conduit connections between cabinets. Trove2BWC includes cam locks and 2 tamper switches to ensure access to wiring and batteries is secure.

**Dimensions and Drawing**

Dimensions (H x W x D approximate)  
 27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm)

