

**T2HWK712DV (Kit)**

Access &amp; Power Integration Solution for Honeywell

**TROVE™**

Altronix T2HWK712DV kit consists of Trove2 enclosure, THW2 Honeywell/Altronix backplane, THWD2 Honeywell door backplane with one (1) 24VDC @ 10A power supply/charger, one (1) 8-output PTC access power controller, one (1) 4-output PTC access power controller one (1) voltage regulator and one (1) 8-output PTC dual input power distribution module.

THW2 backplane also accommodates up to three (3) Honeywell 4200 Series or WIN-PAK Series boards and up to one (1) Honeywell PW7K1ICE, PW7K1R1E boards for up to twelve (12) doors in a single enclosure. THWD2 accommodates additional one (1) Honeywell PRO22MX8/PW5K1MX8 and up to six (6) Honeywell 4200 Series or WIN-PAK Series. Trove simplifies board layout and wire management, reduces installation time and labor costs.

**Honeywell**  
THE POWER OF **CONNECTED**

T2HWK712DV

*Honeywell boards are not included***Key Features**

- 24VDC power supply/charger
- Accommodates up to four (4) 4200 Series or WIN-PAK Series boards and up to two (2) PW7K1ICE or PW7K1R1E and one (1) Honeywell PRO22MX8/PW5K1MX8 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)
- Supervision
  - AC Fail
  - Battery Fail and Battery Presence
- 16 AWG galvanized steel backplane simplifies board layout and wire management
- Enclosure accommodates up to four (4) 12VDC/12AH batteries
- Agency Listings:
  - CE European Conformity
- Lifetime Warranty\*

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

## Specifications

### Power Supply (AL1024XB2V):

#### Input

Voltage	220VAC (working range 198VAC-256VAC), 50/60Hz, 2.5A
Input Fuse	5A/250V

#### Outputs

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

### Battery Charging

Capacity	12AH/12VDC (2 within enclosure) 40AH/65AH (requires separate enclosure)
Type	Sealed lead acid or gel type
Fallover	Upon AC loss, instantaneous
Batteries are sold separately	

### Supervision

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

### Indicators (LED)

Input	220VAC is present
DC Output	Powered
Battery	Discharged or not connected

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

#### Input

Voltage	24VDC from AL1024XB2V and 12VDC from VR6
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

### Voltage Regulator (VR6):

#### Input

Voltage	24VDC from AL1024XB2V
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#### Output

Voltage	12VDC
Current	6A continuous
Other	Surge suppression

### Indicators (LED)

Input	24VDC is present
Output	Powered

### Access Power Controller (ACM8CB):

#### Input

Voltage	24VDC from AL1024XB2V
Input Fuse	10A/250V

#### Outputs

Voltage	24VDC
Eight (8) independently controlled PTC 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 PTCs	2.5A

### Indicators (LED)

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

### Access Power Controller (ACM4CB):

#### Input

Voltage	24VDC from AL1024XB2V
Input Fuse	10A/32V

#### Outputs

Voltage	24VDC
Four (4) independently controlled PTC 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 PTCs	2.5A

### Indicators (LED)

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

### T2HWK712DV Kit:

#### Agency Listings

CE	European Conformity
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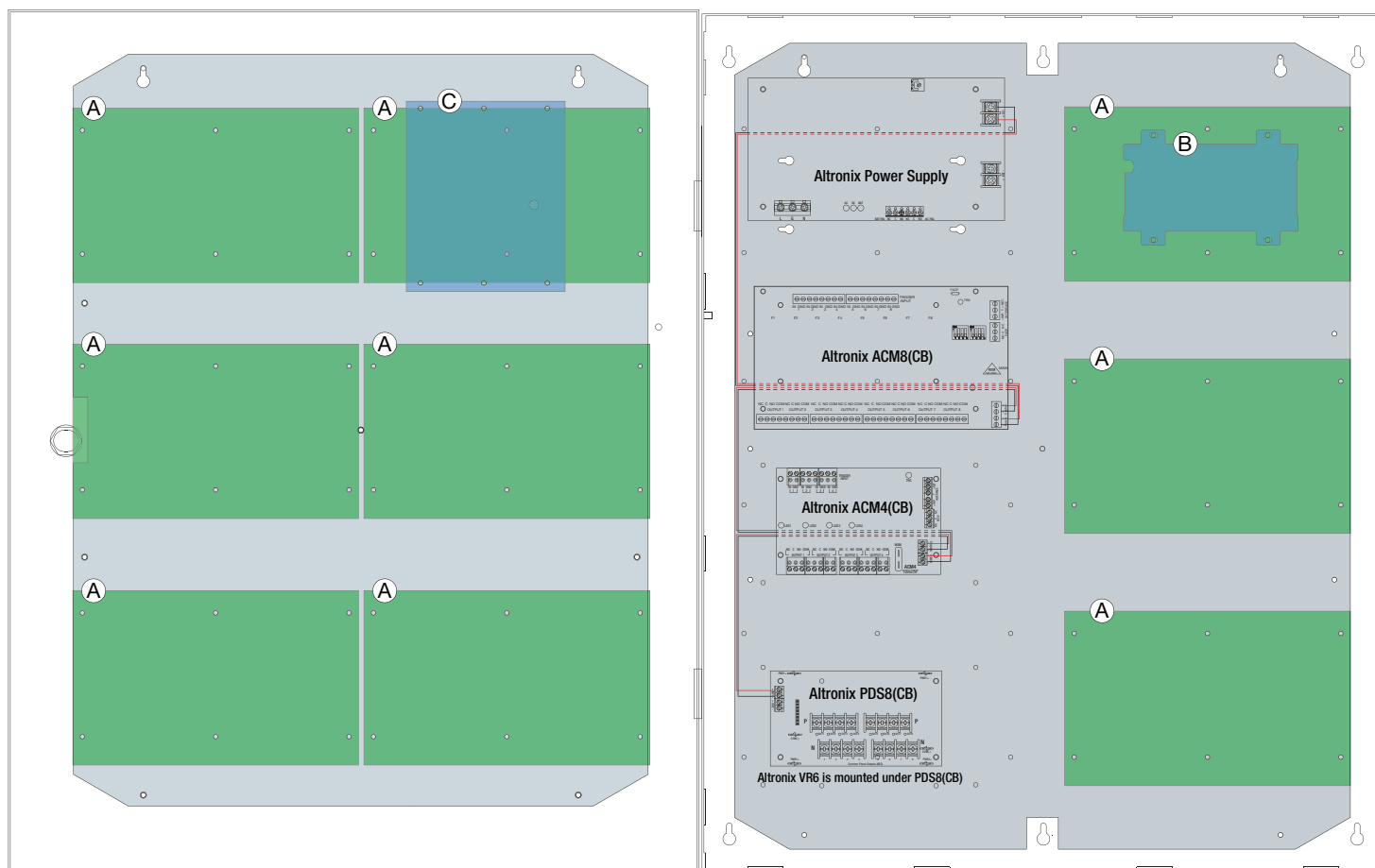
### Physical and Environmental

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" (826mm x 673mm x 283mm)	
Weight (approx.)	
Product	54.3 lb. (24.6 kg)
Shipping	59.3 lb. (26.9 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%
BTU/Hr. (approx.):	128 BTU/Hr.

## Access Controller Position Chart for the Following Models:

Honeywell Win-Pak/ProWatch	Pem Mounting
PRO42IC, PRO42R2, PRO42IN, PRO42OUT, PW7K1IC, PW7K1R2, PW7K1IN, PW7K1OUT	(A)
PW7K1ICE, PW7K1R1E	(B)
PRO22MX8	(C)

THWD2 Door Backplane (Order Separately)



**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  
batteriesTrove2BWC  
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)

