

**T2HWK7F8DV (Kit)**

Access &amp; Power Integration Solution for Honeywell

Altronix T2HWK7F8DV kit consists of Trove2 enclosure, THW2 Honeywell/Altronix backplane with one (1) 24VDC @ 10A power supply/charger, one (1) PTC access power controller, one (1) voltage regulator and one (1) dual input PTC power distribution module.

This kit also accommodates up to four (4) Honeywell 4200 Series or WIN-PAK Series boards and up to two (2) Honeywell PW7K1ICE or PW7K1R1E boards for up to eight (8) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.

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

**TROVE™****T2HWK7F8DV***Honeywell boards are not included***Key Features**

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

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

## Specifications

### Power Supply (eFlow104NBV):

#### Input

Voltage 220VAC (working range 198VAC - 256VAC),  
50/60Hz, 2.7A

Input Fuse 6.5A/250V

#### Output

Voltage 24VDC

Current 10A continuous

Auxiliary Class 2 power-limited @ 1A (unswitched)

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

Failover Upon AC loss, instantaneous

Batteries are sold separately

### 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. Prevents deep battery discharge

### Indicators (LED)

Input 220VAC is present

DC Output Powered

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

#### Input

Voltage 24VDC from eFlow104NBV 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 eFlow104NBV

#### 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 eFlow104NBV

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

### T2HWK7F8DV Kit:

#### Agency Listings

CE European Conformity

#### 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: 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%

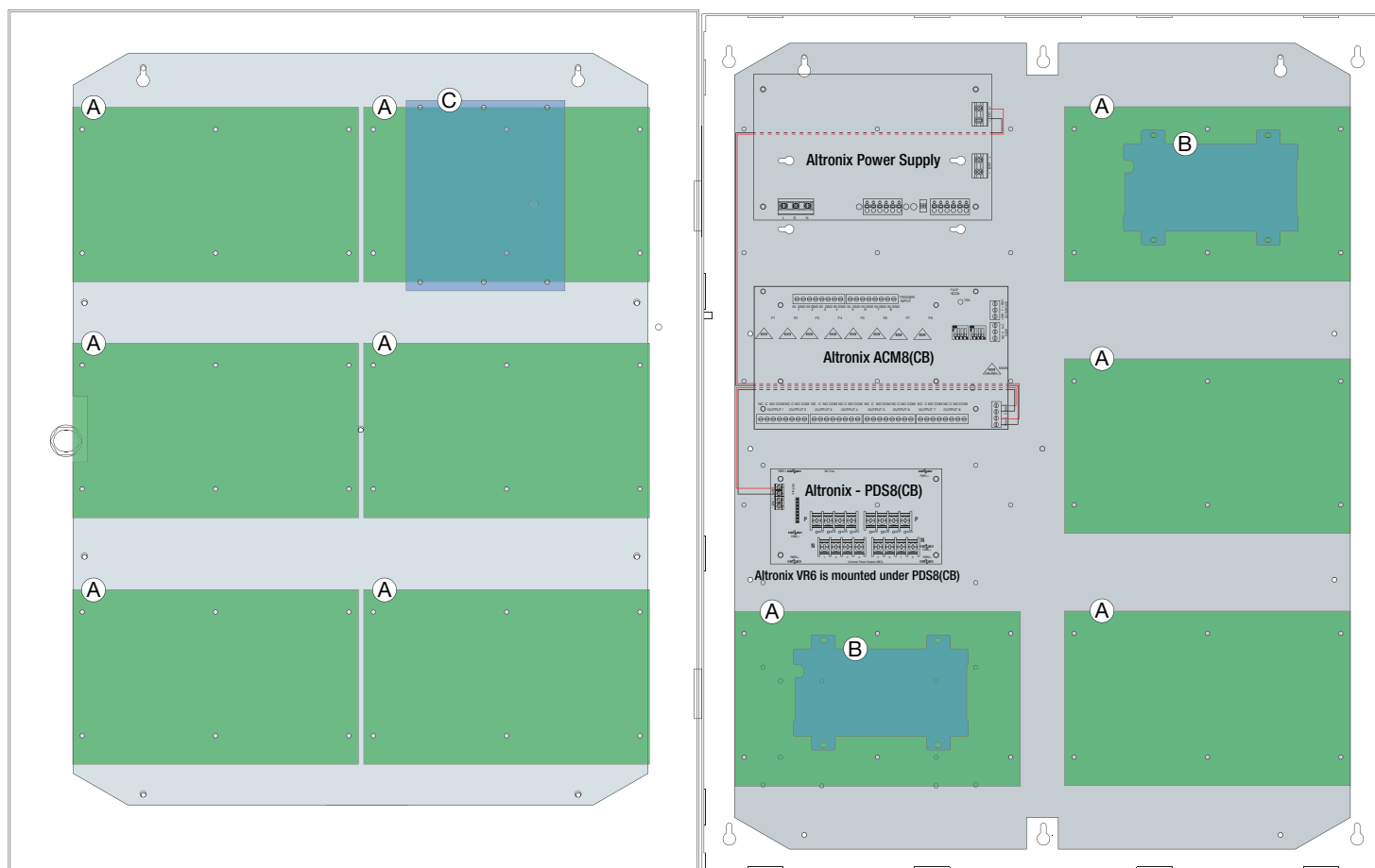
##### BTU/Hr. (approx.):

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)**

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.



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)

