

T2HWK78V (Kit)

Access & Power Integration Solution for Honeywell

Altronix T2HWK78V kit consists of Trove2 enclosure, THW2 Honeywell/Altronix backplane with one (1) 24VDC @ 10A power supply/charger, one (1) 8-output fused access power controller, one (1) voltage regulator and one (1) 8-output fused dual input 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™

T2HWK78V

*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 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 gauge galvanized steel backplane simplifies board layout and wire management
- Enclosure accommodates up to four (4) 12VDC/12AH batteries
- 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 (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 220VAC is present

DC Output Powered

Battery Discharged or not connected

Dual Input Power Distribution Module (PDS8):

Input

Voltage 24VDC from AL1024XB2V and
12VDC from VR6

Input Fuses 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

Output Fuses 3A/32V

Indicators (LED)

DC Output Eight (8) individual output LEDs

Green: 12VDC

Red: 24VDC

Voltage Regulator (VR6):

Input

Voltage 24VDC from AL1024XB2V

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 AL1024XB2V

Input Fuse 10A/250V

Outputs

Voltage 24VDC

Eight (8) 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

Indicators (LED)

Red LEDs Outputs are triggered (relays energized)

Green LED FACP disconnect is triggered

T2HWK78V 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)

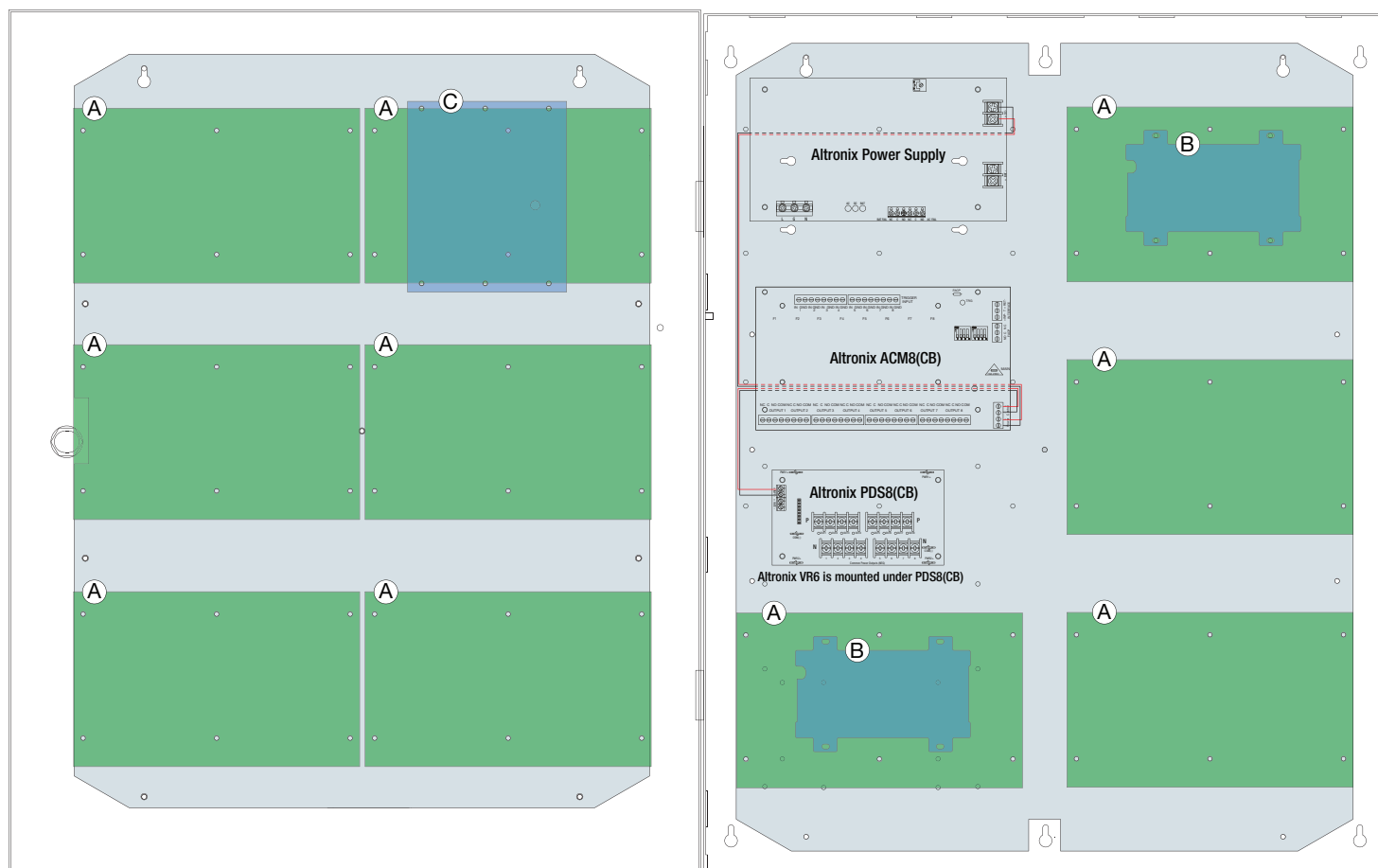
Relative Humidity 85% +/- 5%

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)



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)

