

T3HWK77F24S (Kit)

Access & Power Integration Solution for Honeywell

TROVE™

Altronix T3HWK77F24S kit consists of Trove3 enclosure, THW3 Honeywell/Altronix backplane and THWD2 Honeywell/Altronix door backplane with two (1) 24VDC @ 10A power supply/chargers, two (2) 10A voltage regulators, two (2) 12-output fused dual input access power controllers and two (2) 16-output fused dual input power distribution modules. Also featured is a rocker switch bracket with two (2) rocker switches.

Kit also accommodates up to six (6) Honeywell 4200 Series or WIN-PAK Series boards and up to two (2) Honeywell PRO22MX8 boards for up to twenty-four (24) doors in a single enclosure. THWD2 accommodates additional one (1) Honeywell PRO22MX8 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

T3HWK77F24S

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

- 24VDC power supply/chargers
- Accommodates up to six (6) Honeywell 4200 Series or WIN-PAK Series boards and up to two (2) Honeywell PRO22MX8 boards
- Convenient knockout configuration:
 - One (1) single knockout 2.415" (2" Conduit)
 - Two (2) double knockouts 1.948" (1.5" Conduit) / 1.701" (1.25" Conduit)
 - Thirteen (13) double knockouts 1.362" (1" Conduit) / 1.115" (3/4" Conduit)
- Supervision
 - AC Fail
 - Low Battery and Battery Presence
 - Low power shutdown
- 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

Two (2) Power Supply/Chargers (eFlow104NB):

Input

Voltage	120VAC, 60Hz, 4.5A max.
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 (4 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)

AC Input	120VAC is present
DC Output	Powered

Two (2) Dual Input Access Power Controllers (ACMS12):

Input

Voltage	24VDC from eFlow104NB and 12VDC from VR10
Input Fuses	15A/32V

Outputs

Voltage	12 or 24VDC individually selectable
Twelve (12) selectable 12VDC or 24VDC independently controlled outputs or twelve (12) 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 twelve (12) fuse protected 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
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Indicators (LED)

Red LEDs	Outputs are triggered (relays energized)
Blue LED	FACP disconnect is triggered
Out1 - Out8	Bi-colored LEDs indicate 12 or 24VDC

Two (2) Voltage Regulators (VR10):

Input

Voltage	24VDC from eFlow104NB
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Output

Voltage	12VDC
Current	10A continuous
Other	Surge suppression

Indicators (LED)

Input	24VDC is present
Output	Powered

Two (2) Dual Input Power Distribution Modules (PDS16)

Input

Voltage	24VDC from eFlow104NB and 12VDC from VR10
Input Fuses	15A/32V

Outputs

Voltage	12VDC and/or 24VDC
Any of the sixteen (16) 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

T3HWK77F24S Kit:

Agency Listings

CE	European Conformity
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Physical and Environmental

Dimensions (H x W x D)

Enclosure:	36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm)
Shipping:	40.75" x 35.25" x 12" (1035.1mm x 895.4mm x 304.8mm)

Weight (approx.)

Product:	85 lb. (38.6 kg)
Shipping:	92 lb. (41.73 kg)

Temperature

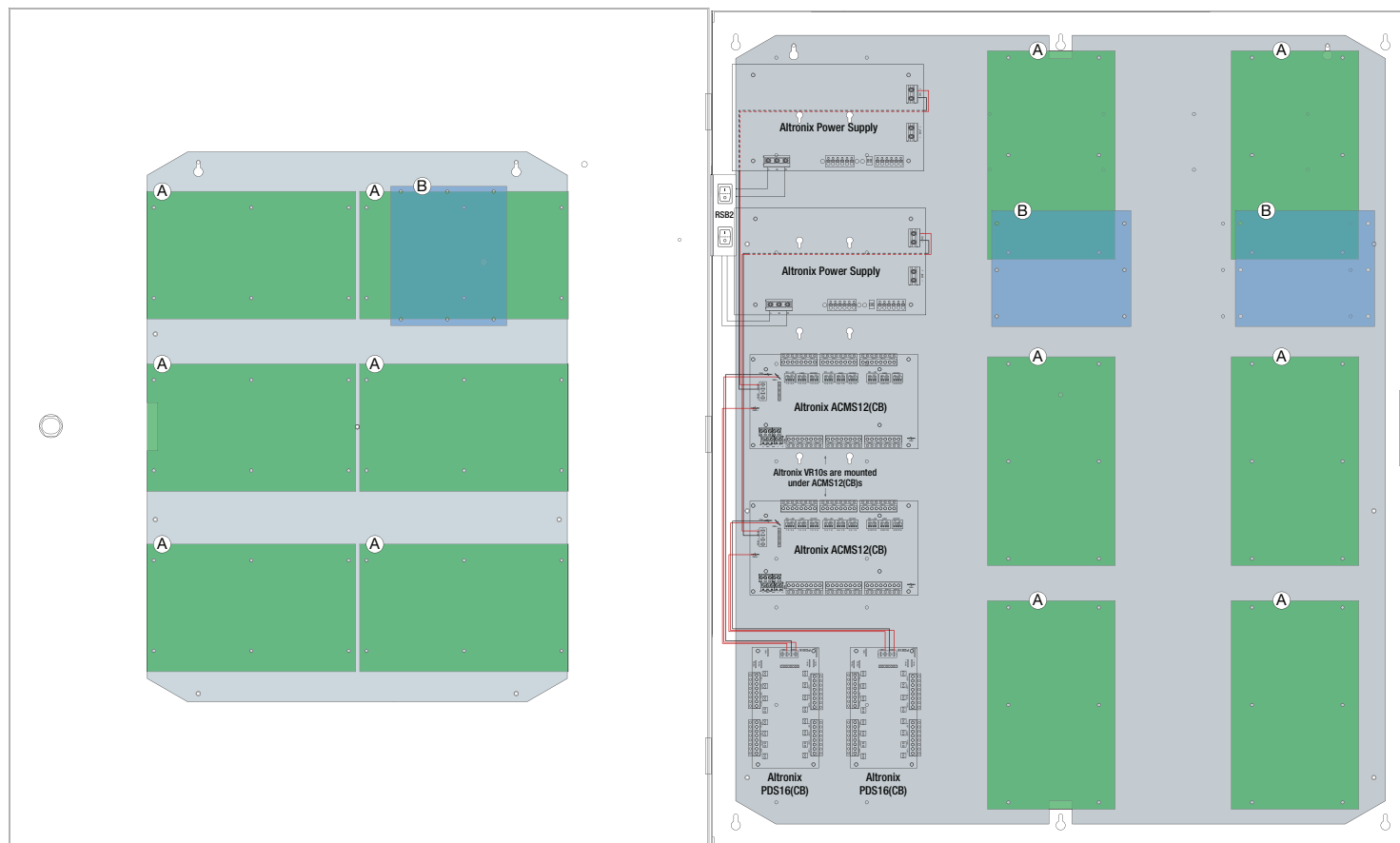
Operating:	0°C to 49°C (32°F to 120°F)
Storage:	- 20°C to 70°C (- 4°F to 158°F)

Relative Humidity

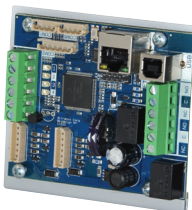
BTU/Hr. (approx.):	85% +/- 5% 289 BTU/Hr.
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Access Controller Position Chart for the Following Models:

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



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

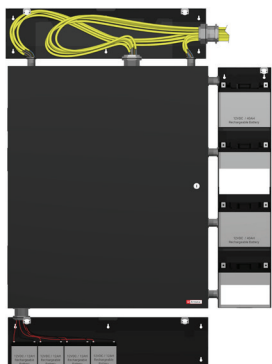
Altronix mounting magnets accommodate screws and nylon standoffs to allow for mounting various boards/ accessories in any metal enclosure or backplane.



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.



TROVE3BWC / TROVE3SWC - Battery/Wire Trough Enclosure

Altronix Trove3BWC and Trove3SWC are dual-purpose enclosures that can be used as wiring troughs or battery cabinets when mounted above or below (Trove3BWC) or on either side (Trove3SWC) of the Trove integrated power and access solution. The knockouts on the Trove3BWC and Trove3SWC have been strategically placed to line up with the Trove3 allowing for easy conduit connections between cabinets. Trove3BWC and Trove3SWC include cam locks and 2 tamper switches each to ensure access to wiring and batteries is secure.

Typical battery/wiring setup with Trove3 Enclosure (not included)

Dimensions and Drawing

Dimensions (H x W x D approximate)

36.12" x 30.12" x 7.06" (917.5mm x 768.1mm x 179.3mm)

