

T3HWK75F16D (Kit)

Access & Power Integration Solution for Honeywell



Altronix T3HWK75F16D kit consists of Trove3 enclosure, THW3 Honeywell/Altronix backplane and THWD2 Honeywell/Altronix door backplane with one (1) 24VDC @ 10A and one (1) 12VDC @ 10A power supply/chargers, two (2) 8-output PTC access power controllers and one (1) 8-output PTC power distribution module. 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 sixteen (16) 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.



T3HWK75F16D

Honeywell boards are not included

Honeywell
THE POWER OF CONNECTED

Key Features

- 24VDC and 12VDC 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)
 - One (1) double knockout 1.948" (1.5" Conduit) / 1.701" (1.25" Conduit)
 - Sixteen (16) double knockouts 1.362" (1" Conduit) / 1.115" (3/4" Conduit)
- Supervision
 - AC Fail
 - Low Battery and Battery Presence
 - Low power shutdown
- 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
- 16 AWG galvanized steel backplane simplifies board layout and wire management
- Enclosure accommodates up to four (4) 12VDC/12AH batteries
- Lifetime Warranty*

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

Specifications

Power Supply 1 (eFlow104NB):

Input

Voltage 120VAC, 60Hz, 4.5A max.
 Input Fuse 6.5A/250V

Output

Voltage 24VDC
 Current 10A continuous

Power Supply 2 (eFlow102NB):

Input

Voltage 120VAC, 60Hz, 3.5A max.
 Input Fuse 5A/250V

Output

Voltage 12VDC
 Current 10A continuous

Both Power Supplies:

Outputs

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 or 71-73% for 12V units. Prevents deep battery discharge

Indicators (LED)

AC Input 120VAC is present
 DC Output Powered

Power Distribution Module (PD8ULCB):

Input

Voltage 12VDC from eFlow102NB

Outputs

Voltage 12VDC
 Eight (8) PTC protected outputs. 3.5A per output max.
 Output PTCs 2.5A

Indicators (LED)

Green LED DC Output

Two (2) Access Power Controllers (ACM8CB):

Input

Voltage 24VDC from eFlow104NB
 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

T3HWK75F16D Kit:

Agency Listings

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

CE European Conformity

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

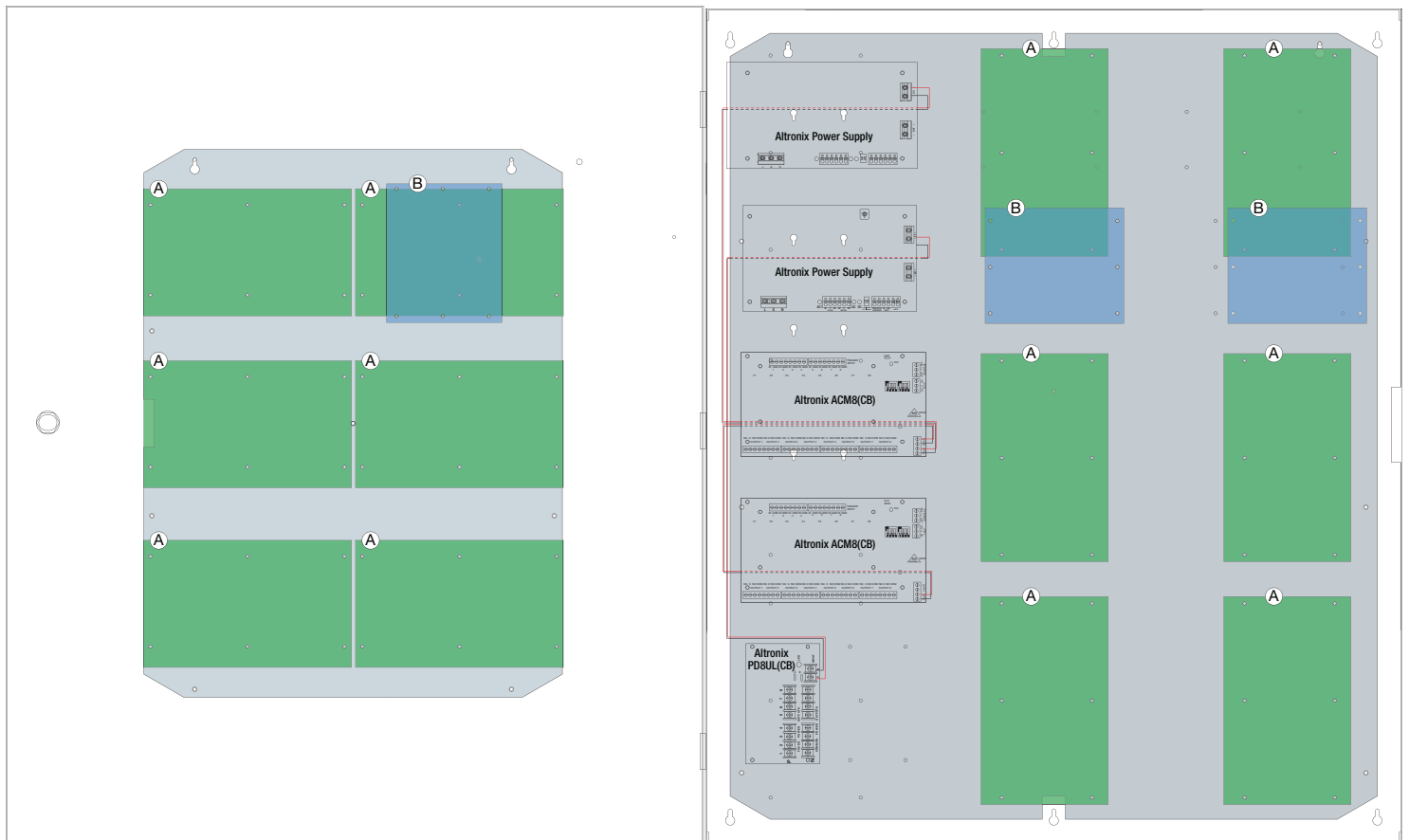
85% +/- 5%

BTU/Hr. (approx.):

177 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)



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

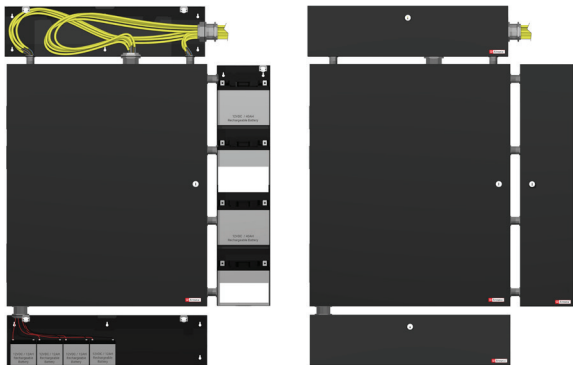
Altronix mounting magnets accommodate screws and nylon standoffs to allow for mounting various boards/ accessories in any metal enclosure or backplane.



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)

